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ETSU at Greeneville ................................................................. 787-7300

East Tennessee State University
Johnson City, Tennessee
Zip Code 37614/Area Code 423

ACADEMIC CALENDAR 2003-2004

Fall Term 2003

June 13 .................... Application deadline for December graduation
July 15 .................... Admission Application deadline for priority processing
Aug. 18-22 .................. Registration

Complete registration dates are included in the “Schedule of Classes Bulletin.”

Aug. 25 .......................... Classes begin
Aug. 29 ....................... Last day to late register or late add a course
Sept. 1 ............................ Labor Day holiday
Sept. 12 ........................ Application deadline for May graduation
Sept. 22 ....................... Last day to drop without grade of “W”
Oct. 20 .......................... Last day to drop a course
Oct. 13-14 .................... Fall Break
Nov. 27-28 .................... Thanksgiving holidays
Dec. 3 .......................... Last day to withdraw
Dec. 5 ........................... Last day of classes
Dec. 6-11 ........................ Final examinations
Dec. 13 .......................... Commencement

Spring Term 2004

Jan. 5-9 ...................... Registration

Complete registration dates are included in the “Schedule of Classes Bulletin.”

Jan. 12 .......................... Classes begin
Jan. 16 .......................... Last day to register or late add a course
Jan. 16 .......................... Application deadline for August graduation
Jan. 19 .......................... Martin Luther King holiday
Feb. 9 ............................. Last day to drop without grade of “W”
March 8 ........................ Last day to drop a course
March 1-6 ....................... Spring Break
April 9 .......................... Good Friday holiday
April 21 ........................ Last day to withdraw
April 23 ........................ Last day of classes
April 24-29 .................... Final examinations
May 1 ............................. Commencement

Summer Term 2004

Complete registration dates are included in the “Schedule of Classes Bulletin.”

Pre-Summer, May 17 - June 4

May 13-14 .................... Registration
May 17 .......................... Classes begin
May 18 .......................... Last day to drop without grade of “W”
May 27 .......................... Last day to drop a course
May 31 .......................... Memorial Day holiday
June 2 ............................ Last day to withdraw
June 4 ............................. Last day of classes

Complete Session, May 17 - Aug. 13

Dual Session, June 7 - Aug. 13

Session 1, June 7 - July 9

June 3-4 ...................... Registration
June 7 .......................... Classes begin
June 9 ....................... Last day to late register or late add a Session 1 course
June 10 ...................... Last day to late register or late add a Dual Session course
June 14 ....................... Last day to drop without grade of “W”

Session 2, July 12 - Aug. 13

July 8-9 ...................... Registration
July 12 .......................... Classes begin
July 14 ....................... Last day to late register or late add a Session 2 course
July 19 ....................... Last day to drop without grade of “W”
July 30 ........................ Last day to drop a Session 2 course
Aug. 11 ........................ Last day to withdraw

Session 2 and Dual Session
Aug. 13 ........................ Last day of classes
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College of Business

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College of Nursing

College of Public and Allied Health

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Accreditation

Commission on Colleges of the Southern Association of Colleges and Schools

East Tennessee State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia, Telephone number 404-679-4501) to award certificate, associate, bachelor's, master's, educational specialist, doctor of education, Ph.D., and M.D. degrees.

Memberships

The American Council on Education
The American Association of State Colleges and Universities
The Tennessee College Association
The Council for Advancement and Support of Education
The Council of Graduate Schools in the United States
The Council of Southern Graduate Schools
The Tennessee Conference of Graduate Schools
Association of Academic Health Centers
Oak Ridge Associated Universities
Institute of International Education
National Collegiate Athletic Association
Southern Conference

Please Note:

Degree requirements for programs of study initiated under provisions of this bulletin shall remain in effect for six years. Students not completing requirements within the six-year period may be required to meet subsequent criteria; it is further provided, however, that the six-year limitation may be extended for interruption by military service where enrollment is resumed immediately upon release from service.

The course offerings and requirements of ETSU are continually under examination and revision. This bulletin presents the offerings and requirements in effect at the time of publication, but is no guarantee that they will not be changed or revoked. However, adequate and reasonable notice will be given to students affected by any changes. This bulletin is not intended to state contractual terms and does not constitute a contract between the student and East Tennessee State University.

ETSU reserves the right to make changes as required in course offerings, curricula, academic policies, and other rules and regulations affecting students to be effective whenever determined by the institution. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Current information may be obtained from the following sources: Admission Requirements-Office of Admissions; Course Offerings-department offering course; Degree Requirements-Office of the Registrar; Fees and Tuition-Office of the Comptroller.

ETSU complies fully with the Family Educational Rights and Privacy Act of 1974, as amended. The complete statement of policy may be obtained from the Office of the Registrar. East Tennessee State University is fully in accord with the belief that educational and employment opportunities should be available to all eligible persons without regard to age, gender, color, race, religion, national origin, disability, veteran status, or sexual orientation.

ETSU provides the opportunity for students to increase their knowledge by offering programs of instruction in the various disciplines and programs through faculty who, in the opinion of ETSU, are qualified for teaching at the college level. The acquisition and retention of knowledge by any student are, however, contingent upon the student's desire and ability to learn while applying appropriate study techniques to any course or program. Thus, ETSU must necessarily limit representation of student preparedness in any field of study to that competency demonstrated at that specific point in time at which appropriate academic measurements were taken to certify course or program completion.

Student Conduct, Rights, and Responsibilities

University students are citizens of the state, local, and national governments and of the academic community, and are, therefore, expected to conduct themselves as law-abiding members of each community at all times. Admission to an institution of higher education carries with it special privileges and imposes special responsibilities apart from those rights and duties enjoyed by nonstudents. In recognition of the special relationship that exists between the institution and the academic community which it seeks to serve, the Tennessee Board of Regents has authorized the president of the university to take such action as may be necessary to maintain campus conditions and preserve the integrity of the institution and its educational environment.

Pursuant to this authorization, the Tennessee Board of Regents has developed regulations which are intended to govern student conduct on the campus. In addition, students are subject to all national, state, and local laws and ordinances. If a student's violation of such laws or ordinances also adversely affects the institution's pursuit of its educational objectives, the institution may enforce its own regulations regardless of any proceedings instituted by other authorities. Conversely, violation of any section of the Tennessee Board of Regents regulations or university rules may subject a student to disciplinary measures by the institution whether or not such conduct is simultaneously violative of state, local, or national laws.

A complete statement on institutional student disciplinary rules and procedures can be found in the student handbook.

Campus Security Report

East Tennessee State University makes available to prospective students and employees the ETSU Security Information Report. This annual report includes campus crime statistics for the three most recent calendar years and various campus policies concerning law enforcement, the reporting of criminal activity, and crime prevention programs. The ETSU Security Information Report is available upon request from East Tennessee State University, Department of Public Safety, Box 70646, Johnson City, TN 37614-1702. The report can be accessed on the Internet at: http://www.etsu.edu/dps/security_report.htm.
Student’s Bill of Rights

Students along with faculty, staff, and administrators are all members of the East Tennessee State University community. Inherent with such membership is the responsibility to conduct oneself reasonably to maintain a civil community which respects the rights of all individuals.

The student has certain rights guaranteed by the Federal and State Constitutions or statutorily created legislation including:
1. Freedom of inquiry, freedom of speech, and freedom of expression that is respectful or sensitive to the rights of individuals.
2. The right to peaceably assemble, in accordance with federal, state, local, and ETSU regulations.
3. Religious freedom and a clear division of church and state.
4. Freedom from unreasonable search and/or seizure of person, or personal property.
5. Freedom from discrimination or harassment on the basis of gender, age, race, color, religion, national origin, or other protected status.
6. The right to privacy, including the maintenance of confidential records in accordance with provisions of the Family Educational Rights and Privacy Act of 1974 and 1975, qualified by the Tennessee Open Records Law.
7. The right to due process.

The Tennessee Board of Regents grants additional rights including:
1. The right to due process in disciplinary procedures of the university, including written notification of charges, an explanation of procedures, and a hearing before an appropriate administrator or committee.
2. The right to expeditious review of disciplinary sanctions upon appeal.
3. The right to participate in the decision-making process of the university through the Student Government Association, other student governance organizations, and membership on university standing and advisory committees.
4. The right to affiliate with officially registered student organizations if the membership requirements of those organizations have been met, and the right to seek to establish, through official procedures, additional student organizations of one’s choosing.

East Tennessee State University acknowledges that students have a legitimate expectation that:
1. Classes meet as scheduled, and begin and adjourn on time.
2. Course requirements are clearly specified.
3. The instructor is prepared for class and possesses both oral and written communications skills.
4. Paper project grades and test results are received in a timely manner.
5. Information about progress in coursework is provided.
6. The instructor is qualified to teach the subject matter.

Additionally, students have the right to expect:
1. Accurate information concerning institutional services, regulations, policies, and procedures, in published form.
2. Representation in the university governance system.
3. Sound and accurate academic advice, information regarding courses required for graduation, and their schedule sequence.
4. Reasonable notice of any changes in academic requirements or programs and assurance that such changes will not be made in a way that unduly impedes the academic progress of the student already enrolled.
5. Flexibility in course scheduling (by dropping and adding) or withdrawing within university guidelines.
6. Information about the various types of financial assistance available.
7. Freedom to evaluate courses, programs, and services, and provide input to appropriate segments of the campus administration.

Student Complaint Policy and Procedure

East Tennessee State University is committed to maintaining a learning environment which promotes student academic excellence and personal development. Various departments on campus have written procedures which allow students to appeal actions taken by the department which directly affect the student. Students who wish to appeal a specific administrative decision should contact the appropriate department and request an appeal form.

Students who have a concern about their academic advisement or other academic issues, including an action based upon academic policies, procedures, or deadlines, should contact the Director of Undergraduate Student Advisement, P.O. Box 70291, Culp University Center.

Student concerns or complaints pertaining to the offices of Admissions, Financial Aid, or the Registrar should be directed to the Vice Provost, P.O. Box 70731, Burgin Dossett Hall.

Students who have a general complaint pertaining to university policies, procedures, or personnel should provide a written statement outlining the nature of the complaint to the Dean of Students, P.O. Box 70725, Culp University Center.

Student complaints concerning sexual, racial, disability, and other harassment should be filed with the Director of Equal Employment Opportunity/Affirmative Action, P.O. Box 70734, Burgin Dossett Hall. When the charge of harassment is by one student against another student, the complaint should be filed with the Dean of Students.

In every instance, the appropriate individual will investigate the complaint, seek an equitable solution, and respond to the student in a timely manner.
EAST TENNESSEE STATE UNIVERSITY

VISION STATEMENT
To become the best regional university in the country.

ETSU MISSION/INSTITUTIONAL PURPOSE

ETSU opened its doors in 1911 initially to prepare teachers for the region’s public schools and has evolved into a state-supported, comprehensive, regional university in the State University and Community College System of Tennessee, governed by the Tennessee Board of Regents. The University embraces its regional setting and proudly reflects its traditional roots through programs and activities that highlight its Appalachian heritage. Although the majority of students are from Northeast Tennessee and adjacent states, many qualified students from throughout Tennessee and from other states and countries also enroll. The University acts on the belief that educational opportunities should be available to all eligible people without regard to age, gender, race, color, religion, national origin, disability, veteran status, or sexual orientation.

ETSU affirms the fundamental values of higher education: protecting free interchange of ideas through academic freedom, promoting curiosity and desire for learning, stimulating thought and self-reflection, and encouraging ethical behavior. It also places a distinctive focus on improving student competency in writing, oral communication, and using information technology. The University expects its faculty, with support from administration and staff, to place primary emphasis on student learning through a strong commitment to effective and innovative teaching. The University promotes efficient and effective services to support the University’s instructional, research, and public service programs.

The University pursues partnerships and collaboration as a means of enhancing its institutional effectiveness. It places special emphasis on community-based and interdisciplinary education, on service-learning with rigorous student expectations for reflection, on expanding opportunities for students’ intellectual and social development through co-curricular opportunities and academic programs meeting high standards of quality, and on a respect for cultural diversity and programming that enhances global awareness. The University also provides opportunities for communities outreach, public service, and lifelong learning of both a professional and personal nature through its various units. It assumes a leadership role in providing facilities and programs that improve the intellectual, cultural, political, social, and health environment of Northeast Tennessee and the Southern Appalachian region. In addition, ETSU reflects its commitment to quality through a number of specialized centers, bureaus, and Chairs of Excellence.

ETSU offers programs through nine schools and colleges related to five areas: arts and sciences, business, education, health sciences and services, and technology. The University is recognized by the state for its unique mission focus in the area of health sciences and places special emphasis on addressing the needs of Southern Appalachia in areas of rural health care. ETSU’s Division of Health Sciences, composed of the colleges of Medicine, Nursing, and Public and Allied Health, serves the state, region, and nation as a comprehensive academic health sciences center.

ETSU’s undergraduate programs embrace the philosophy of liberal education for all, with special programs leading to a primary level of expertise in the arts and sciences and in selected professional fields. These programs also address needs of students not fully prepared for college-level work, nontraditional students returning to the classroom, and gifted students seeking more challenging educational activities. The University is also committed to providing a rich campus life, expanded residential opportunities, and a viable athletic program.

ETSU offers a broad array of graduate programs that provide advanced specialized preparation in many areas to meet the needs of its student population and facilitate the development of its extensive service region. Those programs include broad master’s-level programming in most liberal arts disciplines as well as technical and professional programs in fields that respond to regional and other clearly defined needs. They include doctoral programs in education and in biomedical sciences and programs leading to the Doctor of Medicine degree.

The University is expanding the availability and enhancing the quality of off-campus programming in viable markets as well as programming offered through distance learning technologies which include the Internet. The University provides programs that expand the region’s access to emerging technologies. ETSU is expanding undergraduate, master’s, graduate certificate, and doctoral programs that support its mission focus on health, wellness, and addressing the needs of rural populations.

Research and scholarship are essential components of the University’s mission. The University supports quality research and scholarly activities in all areas of its academic programs and community service activities. These programs enhance the contributions of East Tennessee State University’s partnerships and collaborations. ETSU’s faculty are responsible for developing and maintaining programs of scholarly activity appropriate to their disciplines. The University seeks to reward practicing researchers and scholars who are current and active in their disciplines and who incorporate the products of their research and scholarship in teaching, professional publications or exhibits or performances, and in professional services to business, education, government, the arts community, and health care systems. (Revised 10/31/2001)
ETSU VALUES

ETSU pursues its mission through a student-centered community of learning reflecting high standards and promoting a balance of liberal arts and professional preparation, continuous improvement, and based on core values where:

- **PEOPLE** come first, are treated with dignity and respect, and are encouraged to achieve their full potential;
- **RELATIONSHIPS** are built on honesty, integrity, and trust;
- **DIVERSITY** of people and thought is respected;
- **EXCELLENCE** is achieved through teamwork, leadership, creativity, and a strong work ethic;
- **EFFICIENCY** is achieved through wise use of human and financial resources; and
- **COMMITMENT** to intellectual achievement is embraced.

ETSU STRATEGIC GOALS FOR THE 2000-2005 PLANNING CYCLE

East Tennessee State University will emphasize its mission-distinctive focus through the following goals:

1. Expand and enrich student learning with
   a) A commitment to a student-centered environment
   b) Demonstrated quality undergraduate and graduate programs
   c) A strong General Education Core
   d) A commitment to providing students opportunities for appropriate careers through advising, counseling, and planning
   e) Internship/Co-Op opportunities
   f) A focus on health professions education and services
   g) Community-based programs
   h) Interdisciplinary offerings

2. Conduct faculty and student research, scholarship, and creative activities that
   a) Strengthen the learning environment
   b) Enhance the region
   c) Advance human knowledge

3. Serve and partner with our constituents to
   a) Enhance teaching, learning, and research
   b) Improve the quality of life and economic well-being of the region
   c) Strengthen the community and university

4. Demonstrate a commitment to cultural diversity through
   a) Expanded programs and activities
   b) Enhanced campus environment

5. Enhance efficient and effective use of resources
**Undergraduate Admission**

All inquiries about admission, applications for admission, and transcripts of credit should be addressed to the:

Office of Admissions  
East Tennessee State University  
Box 70731  
Johnson City, TN 37614-1701

A personal interview is generally not required during the admissions procedure; however, when circumstances require that enrollment be restricted, an interview may be required.

Any student withholding application information or giving false information may be ineligible for admission or may be denied continuation of studies at the university.

**Requirements for Admission**

**Freshman Admission**

Applicants for degree admission as first-time freshmen must provide an official transcript showing graduation from high school.* Graduates of high schools in any state are eligible to apply for admission to the freshman class. Graduates of Tennessee public high schools must provide a transcript certifying satisfactory performance on the Tennessee Competency Examination.

Applicants must request that the high school mail a transcript of their high school records to the Office of Admissions at the time of application. The transcript of a Tennessee resident who is home schooled must be an official copy from an affiliated organization as defined by state law (Tenn. Code Ann. 49-50-801), or be accompanied by certification of registration with the local education agency which the student would otherwise attend.

A score report from the American College Testing Program (ACT) must be submitted by all entering freshmen who are under 21 years of age. If ACT scores are not available, SAT scores may be substituted.

The university schedules ACT assessment periodically throughout the year. Applicants for admission and students enrolled at ETSU are eligible to participate in the ACT testing program.

Applications for admission must be approved by the last day of registration (official census date) of a semester in order to be effective with that semester.

*Exceptions made for GED applicants and early admission of first-time freshmen after the junior year in high school.

**Required High School Courses**

The following high school courses are required for freshman applicants who have not reached age 21.

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Required Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Algebra I and II</td>
<td>2</td>
</tr>
<tr>
<td>Geometry or other advanced math course with geometry</td>
<td>1</td>
</tr>
<tr>
<td>Natural/Physical Sciences, including at least one unit</td>
<td>2</td>
</tr>
<tr>
<td>Social Studies, including world history, world</td>
<td>1</td>
</tr>
<tr>
<td>United States History</td>
<td>1</td>
</tr>
<tr>
<td>A single Foreign Language</td>
<td>2</td>
</tr>
<tr>
<td>Visual or Performing Arts, including theatre arts,</td>
<td>1</td>
</tr>
<tr>
<td>visual arts, music theory, music history, vocal</td>
<td></td>
</tr>
<tr>
<td>music, art history, or general music</td>
<td></td>
</tr>
</tbody>
</table>

Applicants with disabilities which directly prevent them from completing any required high school units should provide documentation of the disability during the admission process in order to receive consideration for waiver of the related unit requirements.

In addition to these, an additional unit in the arts, in mathematics, and in foreign languages is recommended. Different requirements may exist for some freshman applicants (e.g., GED, early admission, or international students). Applicants who meet the required high school GPA and/or ACT/SAT who attended high schools not offering the required courses, may be admitted to the university, but must remove the deficiencies during the first 64 semester hours.

Freshman applicants under age 21 who are not deficient in required high school units are eligible for admission by presenting minimum grade point average and ACT/SAT results according to the following:

a. a minimum grade point average of 2.3 on a 4.0 scale or  
b. minimum ACT composite of 19 (or equivalent SAT).

Freshman applicants under age 21 who are deficient in required high school units may, under special circumstances, be admitted to the university; however, the deficiencies must be removed during the first 60 semester hours of college enrollment. College courses taken to remove unit deficiencies must be completed with a grade of ‘C’ or better and will not be included in general education core or major requirements.

**Admission by Exception:** Freshman applicants under age 21 who are deficient in required high school units may be considered for admission according to the following:

a. minimum ACT composite of 21 (or equivalent SAT) — up to two deficiencies;  
b. ACT composite of 19 or 20 (or equivalent SAT) and a minimum high school GPA of 2.5 on a 4.0 scale — up to two deficiencies — admission determined by committee review — committee chaired by the Vice Provost.

**Alternative Admission:** A limited number of alternative admission positions (150) is available to freshman applicants under age 21 who do not meet the standards outlined above. Alternate admission positions will be considered only for those who meet the following minimum standards:

a. Tenneesians — minimum high school GPA of 2.0 on a 4.0 scale or an ACT composite score of 17 or higher (or equivalent SAT);  
b. Residents of other states — minimum high school GPA of 2.3 on a 4.0 scale or an ACT composite score of 19 or higher (or equivalent SAT).

**Freshman Applicants Age 21 or Older:** Freshman applicants age 21 or older who are graduates of high schools in any state are eligible to apply for admission. Graduates of Tennessee public high schools must provide a transcript certifying satisfactory performance on the Tennessee Competency Examination. Admitted students age 21 or older may be subject to required units based on the year of high school graduation. Admitted students over age 21 without recent ACT/SAT scores will be required to complete the COMPASS examination.

**Admission with the GED-High School Equivalency Diploma:** Applicants 18 years of age or older, who are not high school graduates, may apply for admission on the basis of scores presented on the General Education Development test (GED) of the American Council on Education.

Applicants who completed the GED prior to January 1, 1997, must present an average score of 45 or higher, with no single score below 35. Applicants who completed the GED January 1, 1997, or thereafter, must present an average score of 45 with no single score below 40.
Applicants who complete the 2002 Series GED Tests must earn a minimum of 410 on each of the five tests in the battery and an average (mean) score of 450 on the total battery. All applicants under 21 years of age who are admitted on the basis of GED scores must submit ACT or SAT scores. GED scores, ACT scores, and high school records of applicants under 21 years of age are considered in the admission process. Applicants with GED diplomas earned in 1989-1992 are subject to the foreign language unit requirement(s); applicants with GED diplomas earned in 1993 and thereafter are subject to the foreign language and visual/performing arts requirements.

**Academic Assessment Placement Program (AAPP)**

Applicants who qualify for admission may be required to complete all or part of the COMPASS test battery prior to registration for classes.

**Early Enrollment Plans**

Early enrollment is offered to high school students with superior academic records through plans authorized by the Tennessee Board of Regents. Each application for early admission is reviewed individually and must be endorsed by parents of the applicant, the high school principal or counselor, and admissions officers.

1. **Enrollment After the Junior Year in High School:** A select group of students who distinguish themselves by high academic achievement in the 9th, 10th, and 11th grades may qualify for admission to the freshman class after the junior year in high school. Minimum selection criteria include a high school grade point average of 3.5 on a 4.0 scale and an ACT composite score of 25 (or equivalent SAT). Successful completion of the prescribed freshman courses at the university satisfies high school graduation requirements.

2. **Enrollment During the Junior or Senior Year in High School:** Currently enrolled high school students who have completed their sophomore year in high school may be admitted for either joint enrollment or dual enrollment or both in order to complete university courses. Minimum academic requirements include a 3.2 high school grade point average on a 4.0 scale and a minimum ACT composite of 23 with no subscore below 19. Students may register for no more than seven (7) semester hours per semester when enrolled in this program.

3. **Academically Talented/Gifted High School Students:** Currently enrolled students in grades 9-12 in public or private high schools who have been identified as academically talented/gifted and whose program of studies is planned on an individual basis by a multidisciplinary team may, with endorsement by the high school and the university, enroll for prescribed courses and earn university credit. Minimum criteria include a high school grade point average of 3.2 on a 4.0 scale. Students may register for no more than seven (7) semester hours per semester when enrolled in this program.

Inquiries about plans for early enrollment should be directed to the Office of Admissions.

**Former Students — Readmission**

All former ETSU students who have not been enrolled for one major term (fall or spring) must apply for readmission. Students who have attended another college since their last enrollment at ETSU are required to have an official transcript from that school forwarded to the Admissions Office for review. Attending another higher education institution during a period of academic dismissal may adversely affect readmission to ETSU. Former undergraduate students interested in graduate school must apply for admission to the School of Graduate Studies.

**Transfer Student Admission**

Students who have completed registration at any degree granting institution of higher education are required to report this fact on the Application for Admission. In addition, official transcripts from each institution must be forwarded to the Office of Admission. Students who seek to transfer from any degree granting institution of higher education are eligible for admission according to the following:

<table>
<thead>
<tr>
<th>Postsecondary Transfer Credit</th>
<th>Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 or more transferable semester hours of credit earned</td>
<td>Minimum overall grade point average on transferable hours:</td>
</tr>
<tr>
<td>Attempted Hours</td>
<td>GPA</td>
</tr>
<tr>
<td>12 - 29.0</td>
<td>1.4</td>
</tr>
<tr>
<td>29.1 - 45.0</td>
<td>1.7</td>
</tr>
<tr>
<td>45.1 - 59.9</td>
<td>1.9</td>
</tr>
<tr>
<td>60 - above</td>
<td>2.0</td>
</tr>
<tr>
<td>Less than 12 transferable semester hours of credit earned</td>
<td>Minimum overall grade point average on transferable hours:</td>
</tr>
<tr>
<td>Attempted Hours</td>
<td>GPA</td>
</tr>
<tr>
<td>1 - 29.0</td>
<td>1.4</td>
</tr>
<tr>
<td>29.1 - 45.0</td>
<td>1.7</td>
</tr>
<tr>
<td>45.1 - 59.9</td>
<td>1.9</td>
</tr>
<tr>
<td>60 - above</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Applicants who do not meet the standards outlined above and who have not been enrolled in any institution of higher education for a minimum of three years may receive individual review by the Vice Provost or designee. If no transferable hours have been attempted, admission may be determined by a review of high school credentials, standardized test scores, and/or coursework completed at any degree granting institution of higher education.

Remedial and developmental courses are not used in determining eligibility for transfer admission. Applicants who have enrolled for one term only at any other college or university without obtaining the required grade point average for transfer and who meet regular freshman admission standards or admission by exception standards may be admitted on appropriate academic probation. Students are subject to existing regulations regarding removal of probationary status.

**Transfer Student Application Procedure**

In order to be admitted in a timely manner, degree-seeking transfer students should follow these recommendations:

1. Fully complete the application form (all sections should be completed including dates where specified). Forms should be submitted to the Office of Admissions a minimum of three weeks prior to the beginning of the semester for which the student is applying.

2. Provide the appropriate application fee at the time of application.

3. Applicants who completed high school graduation requirements or the GED in 1989 and thereafter must provide to the Admissions Office an official high school transcript* and GED scores if applicable. High school records are not generally required for those graduating prior to 1989. However, when an individual has fewer than 12 transferable hours such records must be submitted. Such documentation must be provided a minimum of three weeks prior to the beginning of the semester.
4. Provide official transcripts* from all previously attended colleges and universities to the Office of Admissions a minimum of three weeks prior to the beginning of the semester.

Applicants not meeting the guidelines as outlined above cannot be assured of admission to the university or complete transfer credit analysis.

*An official transcript is one which is validated, issued, and mailed directly by the previous institution in a sealed institutional envelope to the Office of Admission, P.O. Box 70731, ETSU, Johnson City, TN 37614. Tennessee Board of Regents institutions may provide Electronic Data Interchange (EDI) transcripts per TBR policy.

**Advanced Standing Credit**

ETSU will review for possible credit courses earned from all institutions of higher education previously attended, advanced placement or other examinations, training provided by non-collegiate institutions, or experiential learning. Credit toward a degree will be directly accepted only from college-level institutions for courses that are substantially equivalent in nature, content, and level of credit offered by ETSU. Consideration will be given to the appropriateness and applicability of the credit earned to the programs offered by ETSU, in light of the student's educational goals.

Transfer credit earned from colleges accredited by the Southern Association of Colleges and Secondary Schools (or corresponding agencies for other states and regions of the United States) will be considered for direct application toward a degree. The Office of Admissions will evaluate undergraduate credits for university-wide use. This evaluation will be made using historical precedent, current articulated program information, and/or review by the appropriate ETSU college dean and faculty.

Credit from courses completed at institutions not regionally accredited as described above, advanced placement or other examinations, training provided by non-collegiate institutions, or experiential learning will be reviewed according to the following.

**Credit for Service in the Armed Forces**

ETSU will award credit for military training courses in the Armed Services of the United States as recommended by the American Council on Education in the publication *Guide to the Evaluation of Educational Experiences in the Armed Services*. Veterans may submit the following transcripts for consideration.

- Army - Army/American Council on Education Registry Transcript (AARTS)
- Navy/Marine - Sailors-Marine Corps American Council on Education Registry Transcript (SMART)
- Air Force - Community College of the Air Force Transcript
- Coast Guard - Coast Guard Institute Education Transcript

In addition to the forms mentioned above, an individual may submit a DD214, Certificate of Release or Discharge from Active Duty, a DD295, or an official transcript from Defense Activity for Non-Traditional Education Support (DANTES) subject standardized tests administered by Education Testing Service or other official documentation of completion of military training. No credit is awarded for MOS, rates, and ratings. Military credit will not satisfy writing, oral communication, and using information technology proficiency requirements. Questions regarding military training credit should be referred to the Admissions Office.

**Advanced Placement Credit**

ETSU participates in the Advanced Placement Program of the College Entrance Examination Board (CEEB). Advanced Placement course participants who score 3, 4, or 5 on the CEEB Advanced Placement Tests will be awarded credit. A grade of 'P' for passed hours will be awarded in appropriate degree courses. A list of Advanced Placement examinations, minimum score requirements, ETSU courses fulfilled and semester hours of credit is available in the Nontraditional Credit guide available from the Office of Admissions. An official transcript of AP credit must be provided from the CEEB.

**International Baccalaureate Program**

The International Baccalaureate is a secondary curriculum and university entrance examination available in many countries and recognized worldwide. Students completing International Baccalaureate program higher level courses in high school who successfully complete the examinations for such courses with a score of 4, 5, 6, or 7 are awarded passed hours of credit (grade of 'P') in degree courses. Additional information is available from the Office of Admissions.

Credit by examination as outlined below will not award credit in courses previously completed for credit and will not satisfy writing, oral communication, and using information technology proficiency requirements.

**College Level Examination Program (CLEP)**

CLEP examinations are sponsored by the College Entrance Examination Board (CEEB). Eligible students may earn advanced standing credit by successfully completing certain CLEP general and subject examinations. ETSU generally follows the recommendations of the Commission on Educational Credit and Credentials of the American Council on Education for awarding credit toward degree programs. A grade of 'P' for passed hours of credit will be awarded in appropriate degree courses, but will not replace previously earned grades. A list of CLEP examinations, minimum scores, ETSU courses fulfilled and semester hours of credit is available in the Nontraditional Credit guide available from the Office of Admissions.

**Departmental Course Challenge Exams**

Comprehensive departmental course challenge exams are available in most undergraduate courses. Students enrolled in ETSU who believe they have sufficient mastery of subject matter in specific ETSU courses may request to attempt a comprehensive examination through the chair of the department offering the course. Grades of A, B, C, D, or F for grades of 'P' for passed hours and 'F' for failed hours may be assigned for satisfactory examination performance as determined by the appropriate academic department. A fee of $15.00 per credit hour sought will be charged. The administration of the examination is at the discretion of the academic department. Information regarding comprehensive departmental examinations is available from the Office of the Registrar.

**Excelsior College Examination (formerly Regents College Examination)**

The Excelsior College Examination provides a series of college-level examinations designed to measure subject matter attained primarily outside typical classrooms as a basis for advanced standing credit. A grade of 'P' for passed hours may be assigned for satisfactory examination performance on certain exams. Additional information is available from the Office of Admissions.

**National League for Nursing (NLN) Mobility Profile II Testing**

The ETSU College of Nursing accepts credit earned through NLN Mobility Profile II testing. Registered nurses may receive credit for Nursing coursework completed at a diploma program or a non-NLN-accredited associate program. This credit may be applied toward the requirements for the Bachelor of Science degree in Nursing (B.S.N.). Additional information is available from the Office of Student Services, College of Nursing.
University Credit for Experiential Learning
(Bachelor of General Studies (B.G.S.), Bachelor of Professional Studies, the Bachelor of Applied Science [B.A.S.] or Bachelor of Interdisciplinary Studies [B.I.S.])

Students seeking one of the degrees listed above may provide for review a detailed and documented portfolio of experiential learning for possible credit. Experiential learning is typically learning that has taken place outside of traditional college settings but does not include credit based upon advanced placement or other examinations (i.e., CLEP) or training provided by noncollegiate institutions such as the Armed Forces that is reviewed for credit by the American Council on Education. Credit for experiential learning will only be awarded after the appropriate ETSU academic department and college dean have determined that end of course competencies have been evidenced for specific ETSU courses. A grade of “P” for passed hours will be awarded for credit in the B.G.S. degree program. Credit for specific courses will not exceed the credit hour(s) awarded by ETSU for the equivalent course. Students must file the Application for Academic Credit Earned through Experiential Learning. Credit may be obtained for applicable courses completed through noncollegiate-sponsored instruction or training as recommended in the American Council on Education National Guide to Educational Credit for Training Programs. Additional information is available from the Office of Admissions or the School of Continuing Studies.

Credit from Non-Regionally Accredited Collegiate Institutions

ETSU will review for possible credit courses earned through non-regionally accredited collegiate institutions. If a student wishes ETSU to consider acceptance of academic credit completed through institutions not accredited by regional accrediting associations, a petition that such credit be reviewed must be filed. This petition, the Application for Academic Credit Earned at Non-Regionally Accredited Collegiate Institutions, is available from the Office of Admissions. The student must obtain this petition form and provide it to the appropriate academic department. Credit will be recorded on a student’s record only after the appropriate academic department and dean have reviewed the course and determined it to be equivalent in content to an ETSU course and approval is issued by the Vice Provost for Academic Affairs. Further, the academic department and dean will determine that end of course competencies have been satisfactorily completed by the student. Departmental examinations, standardized testing, validation, and other means may be used by the academic department to determine course competencies. A grade of “P” for passed hours will be recorded for approved courses. One form is required for each course petitioned for acceptance. The Office of Admissions should be contacted for additional information.

Additional Transfer Information

Applicants holding an associate’s degree designed for transfer to a university are granted credit toward completion of the baccalaureate degree for appropriate courses completed for the associate’s degree program. Applicants holding an associate’s degree not designed for transfer to a university are granted credit for level-one (freshman and sophomore) courses that are equivalent to level-one courses offered by the university.

Where a student was not awarded an associate’s degree designed for transfer purposes, ETSU will accept those level-one (freshman and sophomore) courses completed at a community college which have been determined to be equivalent to level-one courses offered by the university, as creditable toward completion of relevant requirements for degree programs at ETSU, to the same extent that level-one courses would be creditable toward completion of the degree programs by the university’s native students with the same degree major.

A student transferring credits from a two-year collegiate institution must complete as a requirement for the baccalaureate degree a minimum of 60 semester hours in an accredited senior institution. Residency and other degree requirements of the university must be met.

Grades accepted in transfer become a part of the ETSU grade point average. Transfer grades are computed as the same grades would be computed had they been earned in residence at ETSU, including repeated courses. However, ETSU does not recognize forgiveness policies or academic bankruptcies administered by other institutions. In the case of the application of such a policy prior to transfer, all grades are treated at their original face value. If original grades are not contained in original transcripts, then all previous courses are assumed to have been failed.

Students beginning college study fall 1989 or later who have not completed 60 semester hours of transferable work and who have not earned an associate’s degree designed for transfer are subject to the same high school units requirement described under “Freshman Admission.” Eligible transfer students who have not completed all these courses will be admitted, but must remove any deficiencies within the first 30 semester hours after initial enrollment. Following a review of transfer credit, it may be determined that a transfer student must complete the AAPP (Academic Assessment Placement Program) test in part or total before registering for classes.

Transfer students with less than 60 semester hours of credit who have not earned college-level math or English credit must undergo AAPP assessment in the appropriate area(s). For transfer students with less than 12 semester hours of credit, assessment in reading will also be required.

All transfer applicants should request that the registrar of each college attended mail an official transcript to the ETSU Office of Admissions. Students who began college fall 1989 and thereafter should request that both college and high school transcripts be sent to the Office of Admissions.

Second Undergraduate Degree Students

Students who hold a bachelor’s degree from ETSU or any other regionally accredited college or university may apply to earn a second bachelor’s degree. Applications should be filed in the Office of Admissions. Additional information on second bachelor degrees is available in the catalog section entitled Degree and Graduation Requirements.

Undergraduate Special Student Admission

An Undergraduate Special Student is one who may or may not have a bachelor’s degree who wishes to enroll in undergraduate level courses only, but who is not admitted into an undergraduate or certificate program of study. Undergraduate Special Students may enroll only in undergraduate level coursework.

The classification of “special student” is provided for persons over 18 years of age who are not enrolled for a degree but who wish to enroll for a limited number of courses for vocational or avocational reasons. Special students are not required to submit full application credentials. Undergraduate special students who have not completed appropriate collegiate level math or English shall not enroll for such courses without taking appropriate portions of the COMPASS test battery. In order to have credit apply toward a degree, special students must submit full application credentials, complete the COMPASS test battery where appropriate, and be approved for admission to a degree program.

Admission of Undergraduate Special Students will be through the ETSU Undergraduate Admissions Office. For more information contact the Admissions Office at 423-439-4213.
Visiting Student Admission

The classification of “visiting student” is provided for persons enrolled in a degree program at another institution who have been given permission to enroll for a limited number of courses at ETSU. A letter of good standing may be submitted from the degree-granting institution in lieu of a transcript of the academic record.

Milligan College/Emmanuel/ETSU Agreement

Full-time students (12 credits or more) may take courses at Milligan College and Emmanuel School of Religion. Courses taken through this agreement may be used for elective credit only. Students who wish to cross enroll under this plan may obtain additional information from the Office of the Registrar, Burgin E. Dossett Hall, Room 101.

Students Denied Admission

Applicants who do not meet admission standards and, as a result, are denied acceptance may choose to file a letter of appeal. Appeals will be considered on a timely basis prior to the beginning of each semester. Appeals are reviewed by the Admissions and Readmissions Advisory Committee. The committee may approve or disapprove the initial decision to deny admission. A committee recommendation is then made to the Chief Academic Officer, who may approve or disapprove the committee’s recommendation. Appeals requested after the first day of classes for the semester may be considered by the Admissions and Readmissions Advisory Committee at the discretion of the Vice Provost for Academic Affairs or designee.

Admission of International Students

International students are required to submit the same credentials for admission as are required of other students and, in addition, must submit their scores on the Test of English as a Foreign Language (TOEFL) if English is not their native language. A minimum score of 500 (score of 173 on computer-based TOEFL) is required for undergraduate admission. Admission credentials must also include evidence of capability to meet financial obligations relating to study at the university. Transfer credit awarded on the basis of educational experiences outside of the United States, including Examination Results, carries a grade notation of 'P' for passed hours.

If English is not the native language, students may be required to take an English placement exam when they arrive on campus. Students who cannot demonstrate satisfactory proficiency in English may be required to enroll in an English as a Second Language class.

All freshman international students who do not present an Enhanced ACT Composite Score of 19 or higher or subscores in English or math of 19 or higher, (or comparable SAT) will be required to complete appropriate testing and/or developmental classes.

Admission must be granted and financial documentation and degree certification must be received prior to issuance of an I-20 or IAP-66 form needed to obtain a visa.

The university will adhere to all Immigration and Naturalization Service (INS) and Department of State Regulations in the admission, enrollment, and readmission of international, nonimmigrant applicants.

Exchange Programs

It is the responsibility of a nonimmigrant applicant to comply with current INS regulations in regard to collegiate enrollment. New INS regulations may prohibit the enrollment of an individual in B-1 or B-2 status.

The Office of International Programs administers the university’s foreign student (F status) and visitor exchange (J status) programs. Other nonimmigrant applicants may consult with this office.

East Tennessee State University encourages and supports students’ participation in sponsored exchange programs such as the National Student Exchange (NSE), International Student Exchange Program (ISEP), and bilateral exchanges. Courses taken while participating in exchange programs may be transferred to ETSU and may fulfill graduation requirements while tuition, fees and sometimes room and board are paid at ETSU rates. See International Programs for more information.

Special Requirements

Certain instructional programs of the university are subject to special admission requirements which are in addition to the general requirements. Students should check for special admission requirements for their major field of study in the departmental sections of this catalog.

Enrollment of Disabled Persons and Persons Over 60 Years of Age

Audit Enrollment — Disabled persons suffering from a permanent disability which totally incapacitates them from employment, and persons 60 years of age or older may audit courses without the payment of fees.

Credit Enrollment — Disabled persons described above and persons 65 years of age or older may enroll for credit by payment of a service fee required to defray the cost of record keeping.

Enrollment of such disabled persons and persons 60 years of age or over is restricted to those who are domiciled in Tennessee and may be further limited or denied on an individual classroom basis according to space availability. Acceptable documentation of disability and age is required. Enrollment in classes offered through the James H. Quillen College of Medicine is not included in this provision.

Academic Fresh Start

Academic Fresh Start is a plan of academic forgiveness provided for students who have a record of poor academic performance. This program is designed to assist students by allowing calculation of grade point average and credit hours toward graduation to be based only on work completed after returning to college under the Academic Fresh Start policy. A period of no less than four years must have elapsed since the candidate last attended a higher education institution. A student may be granted an Academic Fresh Start only once.

Eligibility

1. Candidates must be undergraduate lower division students and may have attempted no more than 60 hours including remedial and developmental courses.
2. A period of no less than four years (48) months must have elapsed since the candidate last attended a higher education institution.
3. Candidates may apply for Academic Fresh Start prior to re-enrollment or any time prior to the completion of 15 semester hours of credit after re-enrollment.
4. The candidate may never have been granted academic forgiveness according to this or a similar provision at any institution of higher education.

Application Procedure

1. Those meeting the above criteria must complete and file the Academic Fresh Start Contract form and the appropriate application for admission.

Policy Provisions

1. Candidates must meet all conditions for eligibility;
2. All prior coursework from ETSU or other institutions will be forfeited with the exception of previously satisfied COMPASS requirements;
3. The COMPASS examination must be completed by those who have not previously done so;
4. Placement will be determined by the Division of Developmental Studies;
5. The permanent academic record will retain all prior coursework, and the record will include “Granted Academic Fresh Start” and the date.
6. Summary statistics will reflect only the coursework completed after the “fresh start.”
7. Fresh Start students will be classified as first-time freshmen.
8. Students in Fresh Start will be subject to Academic Retention Standards in effect at ETSU.
9. Once begun, the Academic Fresh Start is irrevocable.
10. All decisions of the Vice Provost for Academic Affairs are final. Additional information is available from the Undergraduate Admissions Office at 423-439-4213.

Other Admission Categories
Contact the Office of Admissions for any special requirement.

Registration and Orientation
During the summer, new students, both freshmen and transfer, and their parents are invited to the campus to share in an orientation to university life and to register early for fall semester classes. In this way, new students and their parents become acquainted with other students, faculty members, and administrators; discuss college plans with academic advisors and career counselors; visit dormitories, classrooms, and laboratories; and enjoy guided tours of the campus. All students attending ETSU for the first time must attend an orientation session. When the day of freshman and transfer orientation and registration is over, students leave the campus with their class schedules completed and with much firsthand information about the university, its academic programs, its faculty, students, and administrators.
Throughout their college careers at ETSU, students have opportunities each semester to participate in career development programs, discuss academic goals with faculty advisors, and register early for the next semester of study.

Student ID Card
All students must obtain a permanent East Tennessee State University ID card in order to have full access to all university facilities and services. This card will not only provide student identification, but will also allow students to create a debit account for convenient use in the bookstore, comptroller’s office, health clinic, craft shop, food services, vending machines, laundry facilities, and controlled access to residence halls. IDs will be issued during orientations or at the ID Office during the term. Please contact the University Center ID Office on the 2nd floor of the D.P. Culp University Center for additional information. Hours: Monday-Thursday: 8:00 a.m. - 7:00 p.m. Friday: 8:00 a.m. - 4:30 p.m.

Expenses
No tuition and fee bills are mailed to students. Account statements are available on GoldLink online. Tuition and fees of the university are subject to change at any time by the Tennessee Board of Regents. School year 2003-2004 fees are as follows.

Tuition and Fees
(Subject to change for 2003-2004 year.)

Application Fee
All applications for admission submitted by persons who have not been enrolled in the university previously must be accompanied by a $15 application fee. ($25 for international applicants.) This fee is nonrefundable.

Undergraduate Registration Fee
One hundred twenty dollars ($120) per semester hour, not to exceed $1,374 per semester (except during Summer Term. See Summer Schedule of Classes.).

Graduate Registration Fee
One hundred ninety-four dollars ($194) per semester hour, not to exceed $1,845 per semester (except during Summer Term. See Summer Schedule of Classes.).

All determinations concerning classification of in-state and out-of-state for fee-paying and other purposes are made in the Office of Admission for undergraduate students.

Out-of-State Tuition
Three hundred and one dollars ($301) per semester hour, not to exceed $3,479 per semester (IN ADDITION TO ABOVE REGISTRATION FEE) (except during Summer Term. See Summer Schedule of Classes.).

Auditing Fees
Same as regular fees.

Pre-Summer
The university offers a three-week pre-summer between the end of spring semester and the beginning of summer term. Students may enroll for concentrated course offerings, special courses, and workshops during this period. Maintenance fees will be assessed by credit hour.

Fees for Summer Term
The summer term is divided into two sessions, each five weeks in duration. Students may enroll for either session separately or for both sessions at the beginning of the summer term. If a student who has registered for first-session courses decides later to enroll for second-session courses, he may do so by adding and paying for such courses on or before the second session begins. Summer maintenance fees are assessed per credit hour with no maximum.

Housing
(2003-2004 rate, subject to change)
Undergraduate Residence Halls/Efficiency Apartments
Deposit .......................................................................................................... $75
Rent (double occupancy, per semester) ...................................................... $890-$1050
Private rooms available at additional cost.

Buccaneer Village (Family and Graduate Housing)
Deposit ........................................................................................................... $100
Rent
Graduate Efficiency (per semester) .......................................................... $1288
One-Bedroom (per semester) ..................................................................... $1378
Two-Bedroom (per semester) ................................................................. $1558
Private rooms available at additional cost.

Buccaneer Ridge Apartments
Deposit .......................................................................................................... $100
Two- and Four-Bedroom Apartments (per person, per semester) ...........
$1485-$2020
Single occupancy bedrooms for sophomores and above with 9- and 12-month individual leases available. Telephone, data access, and cable TV hookup are furnished. Electricity and water are extra. Gated community, fully furnished including washer/dryer.
**General Expenses**

Board of Regents Fee

University cafeteria
(estimate per semester) .................................................. $923 - $1141

Books

First-semester freshman
(estimate per semester) .................................................. $300 - $400

Other, if used books are exchanged
(estimate per semester) .................................................. $200

Some books can be used for a full year. In some instances used books are available.

Debt Service Fee .............................................................. $ 7 per credit
Debt Service Fee .............................................................. $80 maximum
Student Activity Fee—All students registered for credit (Fall & Spring, Only) ................ $ 4
General Access Fee — Per Hour ........................................... $20 per credit (nonrefundable)
General Access Fee — Maximum ...................................... $197.50 (nonrefundable)
Late Registration .............................................................. $100.00

Departmental Course Challenge

Exam Fee .......................................................... $15.00 per credit hour
Transcripts ................................................................. No Charge
Music Fee ................................................................. $100.00
(Private instruction in voice, piano, organ, wind instruments, etc., one-half hour lesson per week.)
Chemistry Materials Fee ............................................. $18.00
Physics Materials Fee .................................................. $20.00
Biology Materials Fee .................................................. $15.00

**Fees and Deposits**

The listing of fees in this publication does not constitute a contract between the university and the student. As a condition of registration, each student must pay fees by the established deadline and prior to attending classes.

**Returned Checks**

Acknowledged bank errors excepted, students will be charged $20 for each check (regardless of amount) that is returned unpaid by their bank. See Regulations Governing Fee Payment below.

**Fee Payment**

Students are expected to make payment for all classes for which they are enrolled on or before the payment deadline.

**Confirmation of Fee Payment**

A student's registration is not complete until the student pays the appropriate fees in the Bursar office. Students with fees paid in full by financial aid must confirm fee payment by authorizing the university to use financial aid proceeds through one of the fee payment methods listed below.

**Fee Payment for Financial Aid Recipients**

Students receiving financial aid will have estimated awards on their account statement. If the awarding of aid is complete and the student's fees are paid in full, the student's registration will be completed by confirmation of fee payment. If fees are not paid in full by financial aid, the student must pay the balance due by the fee deadline. If you have questions about the payment of fees for financial aid recipients, please consult the “How to Credit Fees” notice mailed with the award letters or the Bursar Office at 423/439-4212.

**Other Fees**

Post Office Box Rental Fee (per semester) ......................... $10.00
Replacement Diploma ......................................................... $10.00

**Digital Media Fee**

Effective with the 2003 Summer term, a Digital Media Enhancement Fee of $100 per semester hour will be applied to all DIGM courses for all students, with the following exception: A phase-in period will apply to two groups of existing matriculated Digital Media majors—undergraduate students who are designated on SIS Screen 114 for Spring Term 2003 as Digital Media majors; and graduate students admitted to the Digital Media concentration prior to or for Spring 2003. Students subject to the phase-in period will pay the following fees per semester hour: Summer 2003, $0; Fall 2003, $0; Spring 2004, $50; Summer 2004, $50; Fall 2004, $75; Spring 2005, $100.

**Academic Common Market**

The Academic Common Market is an interstate agreement among southern states for sharing academic uncommon programs. Participating states are able to make arrangements for their residents who qualify for admission to enroll in specific programs in other states on an in-state tuition basis.

To enroll as an Academic Common Market student, you must (1) Be accepted for admission into an ETSU program to which your state has obtained access for its residents through the Academic Common Market. (2) Obtain certification of residency from the Common Market Coordinator in your home state. Contact the State Coordinator for certification information. (3) Process certification in ETSU Office of Admissions (undergraduate programs) or Graduate Office (graduate programs). Important — Certification must be processed by last day of registration (official census date) of semester in order to be effective with that semester. Certification processed after that date will be effective with the next semester.

*Note: These programs are subject to change by the university, the states, or the Southern Regional Education Board without notice.*

**Approved Programs in Undergraduate Studies State**

<table>
<thead>
<tr>
<th>Program</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science in Surveying and Mapping Science</td>
<td>Alabama, Kentucky, Louisiana, Mississippi, South Carolina, Virginia, West Virginia</td>
</tr>
<tr>
<td>Bachelor of Science in Engineering Technology (Biomedical Engineering Technology Option Only)</td>
<td>South Carolina, Virginia</td>
</tr>
<tr>
<td>Bachelor of Science in Engineering Technology (Digital Media Only [subject to approval in 2003])</td>
<td>Kentucky, South Carolina, Virginia, West Virginia</td>
</tr>
<tr>
<td>Bachelor of Science in Environmental Health</td>
<td>South Carolina, Virginia</td>
</tr>
<tr>
<td>Bachelor of Science in Mass Communications (Broadcasting Option Only)</td>
<td>Maryland</td>
</tr>
</tbody>
</table>
A student's registration is not completed until the university receives payment in the amount of fees due the university. If payment is made with a check that is not honored (acknowledged bank errors excepted), a late fee will be charged when the student redeems the unpaid check. If the unpaid check is not redeemed within 10 days of return, the student may be disenrolled.

Refund Policies

Refund policies for maintenance fees, out-of-state tuition, and debt service fees are outlined below. Refunds due will typically be processed two weeks after the changes in enrollment status.

Change of a Student's Status Which May Permit a Refund

Change in a full-time student’s schedule which results in the reclassification to a part-time student; change in a part-time student’s schedule which results in a class load of fewer hours.

Situations Which May Permit a Refund

Dropping a course or courses; withdrawing from the institution; cancellation of a class by the institution; death of the student.

Refund Procedures

Refunds are defined as the portion of maintenance and/or tuition and university housing charges due as a rebate when a student drops, withdraws or is expelled from the university. The amount of the refund is determined according to the schedule below.

Seventy-five percent of fees will be refunded for drops or withdrawals within 14 calendar days beginning with and including the first official day of classes or within a proportioned period for a short-term course. Twenty-five percent of fees will be refunded following the 14 calendar days through the expiration of one-fourth (25 percent) of the time covered by the term. These refund procedures are also applicable to dormitory rent. No refund will be made thereafter.

One hundred percent of fees will be refunded for classes canceled by the institution. One hundred percent of fees will be refunded for drops or withdrawals prior to the first official day of classes for the regular academic terms and prior to the beginning of summer term. One hundred percent of fees will be refunded in case of a student’s death.

Return of Title IV Federal Student Aid

This requirement applies to you ONLY if:

1. You receive federal student aid, and
2. You withdraw prior to completing 60 percent of the period for which the aid was provided.

The new federal law requires federal aid recipients to “earn” the aid they receive by staying enrolled in college at least half time. Students who withdraw prior to completing 60 percent of the semester for which they received federal student aid may be required to return some or all of the aid they were awarded.

The new law assumes that you used Title IV student aid to pay your institutional charges – tuition, fees, dorm room, and board. Thus, if you withdraw prior to completing 60 percent of the semester for which you were awarded aid, a pro-rata amount of your aid must be returned to the federal government.

First, the university will return to the appropriate federal source a proportional share of the institutional charges that you paid. In general, the effect of this “return of Title IV aid” by the institution will be to reduce your outstanding loan balance. Second, if the amount returned by the university is not enough to repay the entire “unearned” amount of student aid according to the length of your enrollment, you will be required to return portions of the federal student aid you received to pay noninstitutional charges.
Amounts that must be returned to federal aid sources, whether by the university or by you, will first be applied to your federal loans. With respect to any amount you owe after the university has returned its share, you will be permitted to repay loans based on the original terms of the loan. In the event you received a grant or scholarship from a Title IV source, you may be required to return portions of the grant of scholarship. In the case of “unearned” portions of federal grants or scholarships, you will be expected to pay 50 percent of the “unearned” portion immediately.

Any refund due to you from the university for amounts you paid to cover institutional charges, will first be applied to obligations to return “unearned aid.” Thus, portions of institutional refunds may be applied on your behalf to your outstanding Stafford or Perkins loan or to the federal portions of your grant or scholarship and not actually refunded to you.

(This policy is based on 34 CFR, Section 668.22 of Title IV of the Higher Education Act of 1965, as amended.)

### Distribution Order of Refunds

Refunds from withdrawals will be credited back to student aid program accounts in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Federal Perkins Loans
4. Federal PLUS Loans
5. Federal Pell Grants
6. Federal SEOG program,

Other refunds will be credited to
1. State, private, or institutional aid
2. The student

### Refund Appeals Procedures

Students contesting the refund policy may file a refund appeals which may be obtained in the Comptroller's Office, 202 Dossett Hall. It is the student's responsibility to provide written documentation substantiating reasons for the appeal. Withdrawals or reductions in course load due to personal illness/injury require a statement from a licensed medical physician stating withdrawal was necessary due to the health of the student; a death in the immediate family can be verified with a copy of the obituary. Immediate family includes spouse, child, stepchild, parent, stepparent, foster parent, parent-in-law, sibling, grandparents, and grandchildren. Other reasons must be supported by written documentation.

### Deferred Payment Plan

Although all charges are due and payable at the beginning of each term, students in good financial standing at ETSU may request the deferment of up to 50 percent of their tuition, fees, and housing for fall and spring semesters. The deferment of fees is not available for summer terms.

To be eligible for the Deferred Payment Plan, each participant must be prepared to make a minimum down payment of 50 percent of the tuition, fees, and dorm rent. A student who has failed to make timely payments in a previous term is denied the right to participate in the Deferred Payment Plan in additional enrollment periods.

The amount deferred will be payable in two monthly installments. For the fall term, installment payments are due by October 1 and November 1. For the spring term, installment payments are due by March 1 and April 1. Participants in this plan must apply all financial aid received, including students loans, toward payment of tuition and room before a deferment will be considered.

Each participant will be charged a $25 service fee each term to defray administrative costs. This fee is payable along with the 50 percent down payment on or before the registration payment deadline listed in the Schedule of Classes. An additional late payment charge of $50 will be assessed for each installment not paid on or before the 10th day of the month that a payment is due.

Dropping a course or withdrawing from the university will not remove charges. Students who drop or withdraw are required to complete the deferred payment plan. Any refund due under the regular refund policy will be credited to the unpaid balance.

### Refund of Residence Hall Rent

Refunds of residence hall rent after registration will be prorated on a weekly calendar basis when the student is forced to withdraw from the residence hall: (1) because of personal medical reasons confirmed in writing by a licensed physician; or (2) at the request of the institution for other than disciplinary reasons. Full refund will be made in the case of death. Withdrawals for other reasons, except disciplinary reasons, will be subject to the same 75/25 percent amounts and time periods as maintenance fees. No refund will be made under any other than the above conditions.

### Refund of Residence Hall Reservations and Breakage Deposits

Full deposit will be refunded if the institution is notified a minimum of 14 calendar days prior to the first official day of registration, the student is prevented from entering the university because of personal medical reasons confirmed in writing by a licensed physician, or residence hall space is not available. Full refund will be made in the case of death.
## UNDERGRADUATE STUDENT ADVISEMENT

Advisement at ETSU is defined as a “continuous interactive process between an advisor and student which facilitates the development and achievement of the student's overall goals.”

Advisement is a distinct part of a student's educational experience, provided by ETSU as a service. Discussions between the student and the advisor should assist in exploring and clarifying educational, career, and life goals. Students should consult with their advisor before making decisions that may affect academic progress and success. Discussions with the advisor may include: career decisions, ETSU resources, dropping a class, withdrawing from school, selecting courses, and understanding degree requirements.

All students have an assigned advisor and should confer with the advisor regularly. Advisors are a personal link between the student and the university. The relationship students develop with their advisor is important to their success at ETSU. An advisor can be assigned or changed by contacting the advisement coordinator for the college or school in which the student's major is offered.

All students who entered ETSU fall 1997 or later with less than 60 credits are required to meet with an advisor prior to registration. Beginning fall 2002, first-term-at-ETSU transfer students are required to meet with an advisor prior to registration for the first and second term of enrollment.

Some colleges and departments have additional advisement requirements for their students. You should consult with your academic advisor to determine your requirements.

Students who have declared a major should see an advisor in that major. Students who have not declared a major should go to the University Advisement Center located on the second floor of the D.P. Culp Center in the Advisement Resources Career Center (ARC). Students taking classes in Bristol, Kingsport, or Greeneville may contact these centers for advisement information. Other areas may contact the student to discuss additional advisement opportunities such as Athletics, the Center for Adult Programs and Services (CAPS), Student Support Services, Pre-Med and other Pre-Professional areas.

All students will benefit by conferring with their assigned advisor on a regular basis.

The Academic Advising Rights and Responsibilities (listed below) is a guide for students and advisors relating to the advisement process.

### ACADEMIC ADVISING RIGHTS AND RESPONSIBILITIES

<table>
<thead>
<tr>
<th>Student Rights and Responsibilities</th>
<th>Advisor Rights and Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. The student has the RIGHT to an advisor and has the RESPONSIBILITY to learn the name and office location of the advisor early in his/her first semester.</td>
<td>1. The advisor has the RESPONSIBILITY to know his/her advisee's names.</td>
</tr>
<tr>
<td>2. The student has the RESPONSIBILITY to schedule appointments with his/her advisor and to keep them. If the student finds that it is not possible to keep the scheduled appointment, the student will notify the advisor before the appointed time.</td>
<td>2. The advisor has the RESPONSIBILITY to keep all scheduled appointments and to notify the student in advance if it is not possible to keep the scheduled appointment.</td>
</tr>
<tr>
<td>3. The student has the RIGHT to expect his/her advisor to thoroughly understand the university's structure and its academic policies on such things as registration, add/drop, withdrawal, payment options, and academic grievances.</td>
<td>3. The advisor has the RIGHT to expect the student to be knowledgeable about policies, procedures and requirements. They are listed in a variety of sources (e.g., catalog, schedule of classes, student handbook, department checksheets).</td>
</tr>
<tr>
<td>4. The student has the RIGHT to expect his/her advisor will be familiar with the variety of degree offerings, the procedure for referral to and the types of support services available.</td>
<td>4. The advisor has the RESPONSIBILITY to gain the necessary knowledge and skills to effectively and accurately articulate specific degree requirements, as well as college, Core Curriculum, Areas of Proficiency, TBR requirements, and licensure requirements, if applicable.</td>
</tr>
<tr>
<td>5. The student has the RESPONSIBILITY for decisions made. The student will seek assistance with the decisions to be made rather than expect the advisor to make the decisions.</td>
<td>5. The advisor has the RESPONSIBILITY to provide the student with accurate information about alternatives, limitations and possible consequences of academic decisions.</td>
</tr>
<tr>
<td>6. The student has the RIGHT to expect his/her advisor to help plan a program of study, designed through personal interaction between the student and the advisor, which reflects the student's academic background, course prerequisites, and educational goals.</td>
<td>6. The advisor has the RIGHT to expect that the student will clarify personal values and goals in advance of the advisement session and will be prepared. The student will have an idea of the kind of courses required and a list of alternatives.</td>
</tr>
<tr>
<td>7. The student has the RIGHT to expect the advisor to create an atmosphere of openness, caring and concern so meaningful communication and trust can occur.</td>
<td>7. The advisor has the RIGHT to be treated in a respectful manner and to become acquainted with the advisee.</td>
</tr>
<tr>
<td>8. The student has the RESPONSIBILITY to consult with his/her advisor on a regular basis, when in academic difficulty, prior to changing majors, prior to making changes in an approved schedule, transferring to another college, or withdrawing from college.</td>
<td>8. The advisor has the RESPONSIBILITY to maintain a complete and accurate file on the student in order to monitor progress towards goals and graduation requirements.</td>
</tr>
<tr>
<td>9. The student has the RESPONSIBILITY to follow through with appropriate action after the advising session.</td>
<td>9. The advisor has the RIGHT to expect the student to meet with the advisor at appropriate times to receive advice in a timely fashion.</td>
</tr>
<tr>
<td>10. The student has the RESPONSIBILITY to seek reassignment to a new advisor if differences between the advisor and student should develop.</td>
<td>10. The advisor has the RESPONSIBILITY to assist in that reassignment process. Source: Advising Skills, Techniques, &amp; Resources, David S. Crockett, Editor (NACADA)</td>
</tr>
</tbody>
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FINANCIAL AID AND SCHOLARSHIPS

Introduction

The Office of Financial Aid at East Tennessee State University provides a broad spectrum of programs to assist students in financing their college education. The university is committed to providing access to students through a variety of resources that includes scholarships, grants, loans and work-study programs.

The Free Application for Federal Student Aid (FAFSA) is the federal government's form for applying for financial aid. Students are encouraged to apply for financial aid as early as possible each year. The Free Application for Federal Student Aid (FAFSA) is generally available January 1 for the upcoming academic year and must be completed each year the student is enrolled in college. The FAFSA provides a comprehensive review of the family's financial status. The results, including the Expected Family Contribution, are generated on the Student Aid Report (SAR), sent to the student, and sent electronically to colleges and universities listed by the student on the FAFSA. Students will find links to other helpful financial aid information at [http://www.etsu.edu/finaid/dateslinks/links.htm](http://www.etsu.edu/finaid/dateslinks/links.htm). A link is also provided to complete the FAFSA electronically.

Tennessee residents with Pell Grant eligibility may qualify for the Tennessee Student Assistance Award (TSAA). This attractive state grant program has limited funding and early completion of the FAFSA is necessary.

Financial aid is a supplement to an applicant's personal resources. Reasonable family contributions are expected. The majority of financial aid awarded at the university is based on the student's financial need. Scholarship funds are awarded based on academic merit or other criteria specified by the donor or organization managing the program. Need is defined by federal formulas and based on a student's estimated cost of attendance less any expected family contribution.

Students should seek scholarship assistance within the university as well as through their communities. High School guidance counselors and the university financial aid counselors can be sources of additional information. Various self-help options may be considered by the student and include both employment and loans. Students are encouraged to consider their ability to repay when they borrow through student loan programs. Students may also want to explore their eligibility for vocational rehabilitation benefits and veterans' benefits.

Financial aid programs, rules, and regulations are subject to change. Federal and state funds are conditional upon congressional appropriations and receipt of those funds at ETSU.

Counselors are available to assist students with any questions or concerns regarding their eligibility. Any applicant who has a concern that cannot be resolved between the student and a financial aid counselor may appeal to the Financial Aid Assistant Director, Client Services. Any concern not resolved between the applicant and the Assistant Director may be appealed to the Director of Financial Aid. The student may appeal to the Vice Provost if none of the previous steps solved the problem.

The “Student Guide” from the United States Department of Education is a helpful source of information regarding the federal financial aid programs. Copies are available from the Office of Financial Aid or directly from the United States Department of Education. The website address is [http://www.ed.gov/prog_info/SFA/StudentGuide/](http://www.ed.gov/ prog_info/SFA/StudentGuide/) and the phone number is 800-4FED-AID (800-433-3243).

Student Eligibility

Students must meet the following criteria to receive federal funds:

1. Be enrolled at ETSU as a regular student, attending classes, in a degree or certificate program. Special or transient students are not eligible for federal funds. Exceptions to this requirement are for:
   a. prerequisite coursework required for enrollment in a degree-seeking program or,
   b. coursework required for teacher certification after completion of a previous degree. Aid is limited to a one-time only 12-month period for prerequisite coursework.
2. Be accepted for admission or meet the Financial Aid Satisfactory Academic Progress Policy requirements for continuing students before aid eligibility will be determined.
3. Be a U.S. citizen or eligible noncitizen.
4. Males must be registered with the Selective Service.
5. Have a high school diploma or recognized equivalent.
6. Not be in default or owe a refund or repayment of Title IV funds.

Financial Aid Satisfactory Academic Progress Policy

Federal regulations require that all student financial aid recipients make satisfactory academic progress toward achieving a degree. Progress is measured by the student's cumulative grade point average and credits earned in relation to those attempted and the length of the academic program. In order to assure that students make progress toward the degree both in terms of number of credits completed and cumulative GPA, East Tennessee State University will utilize the following satisfactory progress policy.

I. Progress Standards

A. Progress Per Award Year: Students must, as a minimum, receive a satisfactory grade (*) in the courses they attempt fall and spring semesters as outlined below:

   When student receives financial aid based upon fall/spring enrollment of:
   - 24 or more credit hours
   - 18 - 23 credit hours
   - 12 - 17 credit hours
   - 6 - 11 credit hours
   - Less than 6 credit hours

   The student must complete satisfactorily, between fall/spring, a total of:
   - 21 credit hours
   - 15 credit hours
   - 9 credit hours
   - 6 credit hours
   - Complete all credit hours attempted

   (*For purposes of financial aid, satisfactory grades are A, A-, B+, B, B-, C+, C, C-, D+, D, S, SP or P. Unsatisfactory grades are F, W, WF, U or I.)

   NOTE: Unsatisfactory grades will not be counted as earned credit hours, but will count as attempted credit hours.

B. Cumulative Progress: Students must, in addition to the above, meet the retention standards of East Tennessee State University as outlined in the current East Tennessee State University Catalog.

C. Maximum Eligibility: Attempted credit hours: Students who have reached 150 percent of attempted credit hours toward their degree will become ineligible for financial aid.

II. Evaluation Process

A. A review will be made at the end of the Spring Semester and students who did not make satisfactory academic progress will be notified.

B. Students who receive all “F”, “P”, or “W” grades in courses attempted in any semester will be removed from financial aid, until the student has regained financial aid eligibility (see section III).

C. Repeat courses will be counted in earned credit hours.
IV. Appeal Limits

The maximum number of appeals any student may normally have granted is two (2).

Under extreme circumstances, a third appeal may be granted, provided that the student has documented proof of the circumstances. In the case of a student who files a third appeal, the reasons for the student’s two previous appeals will be reviewed and considered when making a decision. Additionally, the student’s progress within the academic program will be a determining factor in third appeals.

**Federal Financial Aid Application Procedures**

These steps streamline the financial aid application process for students.

1. Every year, complete the Free Application for Federal Student Aid (FAFSA) as soon as possible after January 1 for the upcoming fall and future semesters. Students are encouraged to complete the FAFSA electronically at http://www.fafsa.ed.gov. The ETSU school code, 003487, should be listed on the FAFSA for the University to receive the data electronically.

2. ETSU will review the student’s financial aid record electronically with the National Student Loan Data System (NSLDS). If the student has attended a previous college, discrepancies will be resolved by requesting a financial aid transcript from the student’s previous institution(s).

3. The Federal Processor sends the Student Aid Report (SAR) to the student in response to completing the FAFSA. ETSU will receive the SAR data electronically when the student lists ETSU on the FAFSA. If ETSU was not listed on the FAFSA, the student should send the SAR to the Office of Financial Aid at ETSU. The student is encouraged to review the SAR for accuracy. If the student is selected for verification, the student must complete the verification worksheet and submit copies of the parent(s)/student/spouse IRS 1040 form to ETSU. The university may also request other information.

4. Scholarship applications vary according to each program. Students are encouraged to apply early and be observant of each program’s individual requirements.

5. All students borrowing at ETSU from the Federal Perkins or Federal Stafford Loan Programs are required to complete entrance loan counseling. This is mandatory before receiving loan funds for the first time while attending ETSU. Entrance loan counseling must be completed at ETSU regardless if completed at another institution.

Entrance and exit loan counseling may be done electronically online at http://mapping-your-future.org/oslc. The student must complete an online form. This form will be sent electronically to the Office of Financial Aid at ETSU. Loan counseling must be completed at ETSU regardless if completed at another institution.

**Important Dates**

EARLY application every year remains the most important action in securing funds to assist with financing the student’s education. The university recommends the following dates as guidelines:

- **January 1** - As soon as possible, complete online or mail the FAFSA for processing. The application will require an average processing time of four weeks.
- **February 15** - Tennessee residents applying for TSAA are encouraged to mail the FAFSA no later than this date.
- **April 15** - The priority deadline for making application for scholarships in this brochure, unless otherwise listed. Applications received after April 15 will not be processed.
- **April 15** - ETSU priority deadline to receive financial aid for fall semester. All application materials must be complete in the Office of Financial Aid.
- **November 15** - ETSU priority deadline to receive financial aid for spring semester. All application materials must be complete in the Office of Financial Aid.
Thirty Days After Classes Start - Delayed disbursement of Federal Stafford Loans for first-time freshman borrowers.

Federal Student Financial Aid Programs

East Tennessee State University participates in many federal financial aid programs in an effort to meet students' needs. The FAFSA must be completed before eligibility can be determined.

Federal Pell Grant Program - Eligibility is determined from the Expected Family Contribution on the Student Aid Report, the cost of attendance, and the student's part-time or full-time enrollment each semester. Recipients must be undergraduate students who have not received a previous bachelor's or professional degree. For the 2002-2003 academic year, awards ranged from $200 to $4,000 per year.

Federal Supplemental Educational Opportunity Grant (FSEOG) - Awarded to undergraduates with exceptional need. Funding is limited and generally offered only to Pell Grant recipients with the lowest Expected Family Contributions.

Federal Work-Study Program (FWSP) - Employment is awarded to undergraduate and graduate students with financial need. Students are paid minimum wage each month in various positions available on the campus.

Federal Perkins Loan Program - Federally funded loans borrowed from the university at 5 percent interest for both undergraduate and graduate students. Repayment begins nine months after a student ceases at least half-time attendance.

Federal Stafford Loan Program - Stafford loans are awarded based on a student's dependency status, financial need, cost of attendance, and grade level. Both undergraduate and graduate students may borrow in this program. These loans will be subsidized when based on need and the federal government will pay the interest while the student remains enrolled at least half time. Unsubsidized loans are also available based on the student's cost of attendance and other financial aid. These loans require the student to pay or accrue the interest while enrolled, although the principal amount of the loan is deferred. Borrowers begin repaying both subsidized and unsubsidized Stafford loans six months after the student ceases half-time enrollment. Interest rates will vary but will not exceed 8.25 percent.

Federal PLUS Loan Program (PLUS) - Federal PLUS loans are available to parents of undergraduate students. These variable-rate loans cap at 9 percent. Repayment begins 60 days after the loan is disbursed and continues while the student is enrolled. The maximum repayment period is 10 years.

Tennessee Student Assistance Corporation Programs

The Tennessee Student Assistance Corporation (TSAC) has a variety of programs available to assist students in meeting the cost of education. Additional information can be found at http://www.state.tn.us/tsac/.

Tennessee Student Assistance Award - This grant program is awarded to Tennessee residents that are Pell Grant eligible. Students must apply early, as funding is limited. The FAFSA is the required application. Priority deadline is May 1 and is determined by the FAFSA processing date.

Tennessee Teaching Scholars Program - A competitive, forgivable loan for junior, senior, and post-baccalaureate teacher education students with a minimum 2.75 GPA. The student must commit to teaching in Tennessee public schools for one year following the end of the academic year for which the award is received. The priority deadline for applying to TSAC is April 15 each year.

Minority Teaching Fellows Program - A $5,000 per year award for entering freshmen with a 2.75 high school GPA; high school students must have a minimum 18 ACT or 850 SAT or be in the top 25 percent of the graduating class. A continuing college student may be eligible with a 2.5 GPA. A commitment must be made to teach in Tennessee public schools for one year for each year an award is received. The deadline is April 15 each year.

Ned McWherter Scholars Program - Up to $6,000 per year for entering freshmen with a 3.5 high school GPA and a minimum 29 ACT or 1280 SAT. The application deadline is February 15 each year.

Robert C. Byrd Honors Scholarship Program - A variable Award given to high school seniors with a 3.5 GPA or to students with a GED score of 57 or higher. High school students with a 3.0 GPA and an ACT or SAT in the top quartile nationally may also apply. The application deadline is March 1 each year.

University Student Employment

The ETSU Office of Career Development has information about off-campus jobs and the Cooperative (CO-OP) Education Program. CO-OP gives students the opportunity to gain work experience related to their academic major and career objective. The ETSU School of Graduate Studies has information about graduate assistantships and doctoral fellowships available for qualified graduate students.

Information about the Federal Work Study Program (FWSP) is available in the Federal Student Financial Aid Programs section above.

The Regular Student Work Program (RSWP) - The Regular Student Work Program (RSWP), funded by ETSU, is for full-time students who may work on campus while classes are in session. Available jobs are posted in the lobby of the ground floor of Burgin E. Dossett Hall, immediately outside the Office of Financial Aid. Students should contact the office or department in which they wish to work for an interview. Students do not have to qualify for federal financial aid programs to work on RSWP.

University Loans

Loans from private donors and ETSU are available for students to borrow with reasonable repayment terms. Funds are limited and students are encouraged to apply early.

The Alumni Loan Fund - Made available by donations from alumni. Loans of up to $250 are made to students who demonstrate financial need having a satisfactory academic record (2.0 or better). Two cosigners are required. Interest at the rate of 6 percent per annum will begin on the date the maker ceases to be enrolled full time at ETSU. Apply to the Office of Financial Aid.

The George Washington Bradley Memorial Loan Fund - Established to honor the memory of Dr. Bradley, former Assistant Professor of Education and Psychology, ETSU. Available funds may be loaned to worthy graduate students majoring in education counseling or guidance who demonstrate financial need and are making satisfactory progress in school. The repayment may be deferred until after graduation, with interest at the rate of 6 percent per annum beginning at that time. Apply to the Office of Financial Aid.

The East Tennessee State University Loan Fund - A short-term loan fund administered by ETSU for those students having temporary needs to meet their educational expenses for tuition/fees. There is a processing charge, and repayment is due at least two weeks prior to the end of the semester in which the loan is made. A short-term loan application is required. An original gift of $1,000 from business and professional men of Johnson City established the loan fund. It has been augmented with gifts from other sources which include: gift from Mrs. Elizabeth Allison in memory of her husband, Mr. M.H. Allison; the American Legion Auxiliary, Kings Mountain Unit No. 24, in memory of Mrs. Ferne Fisher Miller; the Business and Professional Women's District Loan Fund; the Lt. (j.g.) William C. Dunn Memorial Loan Scholarship Fund; the Adad Hornsby Earnest Loan Scholarship; the Eastern Star Loan Fund, Nolichucky Chapter 194; the Faculty Women's Club Loan Fund; the Frieberg Memorial Loan Scholarship, established by the Col. D. Henley Chapter of the U.S. Daughters of 1812; the Sidney Gordon Gilbreath Loan Fund established in memory of the first president of the university; the Sarah Hawkins Chapter, DAR Loan Fund; an annual contribution...
from Home Federal Savings and Loan Association, the Johnson County Loan Fund, established by the Weitzel-McBride Chapter of the U.S. Daughters of 1812; the Jesse M. Jones Memorial by Mr. and Mrs. Doyle Jones; the Ona Main Memorial established by the East Side PTA, Elizabethton; the Ferne Fisher Miller Memorial Loan Scholarship, established by the Daughters of 1812; the Mae Nave Memorial Loan Fund; the William R. Rigell Memorial Loan Fund; the C.C. Sherrod Memorial Loan Fund, established in memory of the second president of the university; the PW. Alexander Alumni Memorial Fund; the John Sevier Chapter, DAR Loan Fund, the Tennessee Student's Loan Fund, a memorial to Hortense Cokie Hayes and J. Normen Powell; the U.S. Daughters of 1812 loan scholarship, established by the Weitzel-McBride Chapter, the Gen. Nathaniel Taylor Chapter, and the Watauga Chapter; and the YMCA Student Loan Fund. Apply to the Office of Financial Aid.

The Patience Myers McLain Fund - Established by the late Roy B. McLain in memory of his mother. This is a loan fund whereby needy students preparing for ministerial or social welfare work may borrow up to $300 per semester. Repayment begins six months after the maker ceases to be enrolled full time, with interest at the rate of 3 percent per annum. Apply to the Office of Financial Aid.

Veterans Benefits

Veterans should contact the Office of Veteran's Affairs at East Tennessee State University for information and application procedures.

Vocational Rehabilitation

Funds may be available for education and retraining for disabled students. Students should contact the State of Tennessee, Division of Vocational Rehabilitation in their county of residence and register with the Office of Disability Services at ETSU.

Scholarships

Many scholarship programs are available to assist students in various fields of study. Scholarships are intended to assist students in funding the direct costs of their higher education. Full scholarship support at East Tennessee State University is defined as those scholarships, or combinations of scholarships, that provide current costs, including tuition, fees, standard dormitory housing and meal plans, and in some instances, book allowances. In keeping with the intent of scholarship support, ETSU reserves the right to limit internally funded scholarships to an amount that does not exceed these direct costs. Scholarships or loan amounts received from sources other than East Tennessee State University shall not be limited nor included in assessment of the funds granted for full scholarship support.

Unless otherwise stated, scholarships are not renewed automatically. Recipients are encouraged to read the information sent with the scholarship announcement or ask the program coordinator for renewal information.

This listing of scholarships is divided into the following three categories:

1. Category One Scholarships are the Academic Performance Scholarships and are administered by the Office of Admissions and Office of Financial Aid.

2. Category Two Scholarships are administered by the Office of Financial Aid or by the Office of Admissions for the University Scholarship Committee.

Category One and Category Two scholarships require the student to complete the University Scholarship Application. It is available from the Office of Admissions or the Office of Financial Aid. The application is also available online at http://www.etsu.edu/finaid/Forms/etsuch0304.pdf. Students must list the individual name of each of the scholarships for which application is being made – not just the category - on the University Scholarship Application. The University Scholarship Application should be returned directly to the Office of Admissions or the Office of Financial Aid as directed in the scholarship descriptions. University Scholarship Applications may be reproduced as needed.

3. Category Three Scholarships require the student to apply directly to the scholarship program listed. The University Scholarship Application is not used for Category Three Scholarships.

Category One Scholarships

Entering freshmen and transfer students apply to the Office of Admissions. Currently enrolled students apply to the Office of Financial Aid. University Scholarship Applications may be reproduced as needed.

- Academic Performance Scholarship Program For Tennessee Residents - Awards are for entering freshmen and transfers for the fall semester each year. Students pursuing a second undergraduate degree and currently enrolled students are not eligible. Selection is competitive and awards are made to the students based on academic performance. To be considered applicants generally rank 1 or 2 in their graduating class or score a minimum ACT Composite of 26 (or 1170 SAT) while earning a minimum high school grade point average of 3.5 on a 4.0 scale. Transfers will be considered on a competitive basis and should present minimum qualifications including a 3.2 grade point average (4.0 scale) and 24 credits of transferable courses. The APS award amount is $2556 annually ($1278 per semester).

Recipients must maintain an overall and semester grade point average of 2.5, pass a minimum of 12 credits per semester, and fulfill a work requirement in order to renew the scholarship for subsequent terms.

The work requirement is approximately 5 hours per week for a total of 75 hours per semester. Developmental courses do not count toward the minimum of 12 credits earned or in the semester or overall grade point average required for renewal. Currently enrolled students applying for this award must have earned 12 credits in the previous semester.

THE APS PRIORITY DEADLINE IS FEBRUARY 15 FOR NEW FRESHMEN AND MAY 15 FOR NEW TRANSFERS.

Availability of awards is contingent on funding levels. Awards for new students are made on a rolling basis. Initial eligibility and renewal requirements may change in the future. New students accepting an APS must register for fall classes or register to attend an orientation program by July 1 or forfeit the scholarship award.

Category Two Scholarships

Applications for the scholarships in this category should be sent to the University Scholarship Office, Box 70557, ETSU, Johnson City, TN, 37614. University Scholarship Applications may be reproduced as needed.

- A & L Industrial Construction/Little & Adams, Inc. Scholarship
For dependents of A & L Industrial and Little & Adams, Inc. employees.

- The Alttrista Scholarship
Greene County High School graduates who are employees of, or dependents of, an employee of Alttrista Corporation with a 2.5 GPA and financial need should apply to the University Scholarship Committee.

- Berkline Corporation Scholarship
For children of current employees of the Berkline Corporation. If there are no applicants from children of the Berkline Corporation, other qualified applicants from Morristown and Hamblen County will be considered in the order listed above. Apply to the University Scholarship Committee.

- Bosch Braking System, Inc. Scholarship
For employees of the Bosch Company or their eligible dependents. Must be full-time undergraduate students.
• **James E. Broach Scholarship**
  Awarded to Tennessee residents enrolled full time in a bachelor’s degree program. Applicants must apply for federal financial aid programs, have unmet need and qualify for student loans, and not receive any federal or state grant. A minimum 3.5 high school GPA and a minimum 26 ACT is required for entering freshman applicants. Enrolled students must have a minimum 3.2 cumulative GPA. Applicants for renewal must maintain a minimum 3.2 cumulative GPA. Applications should be submitted to the University Scholarship Committee.

• **The George S. Brown Memorial Scholarship Endowment**
  For full-time students who are Carter County, Tennessee high school graduates with a minimum GPA of 2.5 and documented financial need. Contact the University Scholarship Committee.

• **Roy T. Campbell Family Scholarship**
  In memory of Roy T. Campbell, Sr., a 1917 graduate, and his son, Albert, a former ETSU student. For students from Cocke County, Tenn. A 2.5 overall GPA required. Financial need considered. Apply to the University Scholarship Committee.

• **Challenge 2000 Scholarship**
  Awarded to entering freshmen exhibiting evidence of scholastic success, achievement in extracurricular experiences. Applicants must complete a minimum of 29 on the ACT or the equivalent on the SAT. Recipients must complete a minimum of 24 credits per year for renewal. Applications should be submitted to the University Scholarship Committee.

• **Chiquola Fabrics, LLC Scholarship**
  For dependents of employees of the Chiquola Fabrics, LLC. Apply to the Office of Financial Aid.

• **Tommy Deakins Scholarship Endowment**
  Awarded to students with demonstrated financial need and a minimum 2.5 high school or college cumulative GPA. First priority is given to graduates of Sullivan North High School. Residents at the time of high school graduation from Holston Methodist Home have second priority. Applications should be submitted to the University Scholarship Committee.

• **John Richard Diehl, Jr. General Scholarship**
  Awarded to students with demonstrated financial need from Holston Home for Children, David Crockett High School, and any other Washington County high school. Applicants must have a 2.0 GPA and a strong desire to complete education. Applications should be submitted to the University Scholarship Committee.

• **Dr. Burgin E. and Nell Jennings Dossett Scholarship**
  Awarded to students with demonstrated financial need or a minimum 3.0 cumulative GPA. Preference will be given to Tennessee residents. Applications should be submitted to the University Scholarship Committee.

• **Wiley and Clara Arnold Estep Memorial Scholarship**
  An annual nonrenewable award for a graduate of a Johnson County, Tn, or a Carter County, Tn, public high schools. The Recipient must be a first-semester junior at ETSU. Selection based primarily on financial need. Apply to the University Scholarship Committee.

• **ETSU Family Scholarship Endowment**
  For dependents of ETSU employees. Financial need considered. Apply to the University Scholarship Committee.

• **ETSU Retirees Association Scholarship**
  For entering freshmen or transfer students with good academic record. Freshmen 3.2 GPA and at least 26 ACT. Transfers 3.0 GPA. This scholarship is renewable based on the completion of 12 hours each semester with at least a 3.0 GPA. Apply to the University Scholarship Committee.

• **Elizabethton Rotary Club Scholarship**
  For deserving Carter County residents attending East Tennessee State University. Must have attended Elizabethton or a Carter County High school for at least two years. Freshmen, transfers, and continuing students must have a minimum 2.5 GPA. This scholarship is renewable based on the completion of 12 hours each semester with at least a 2.5 GPA. Apply to the University Scholarship Committee.

• **Harry O. Fine Scholarship**
  For Elizabethton High School graduates entering as freshmen at East Tennessee State University. Must have a minimum 2.5 GPA and have participated in interscholastic athletics for at least three years or been a cheerleader for two years. Financial need is considered. Apply to the University Scholarship Committee.

• **First Tennessee Bank Scholarship Endowment**
  For employees’ dependents of First Tennessee Bank. High school students must have a minimum 3.0 GPA and 21 ACT or 970 SAT. Contact any First Tennessee Bank for this scholarship application. Apply to the University Scholarship Committee.

• **Margaret Campbell Flanary Scholarship**
  Established in 1974 by an endowment from the estate of Mrs. Flanary. For needy students from Sullivan and Washington Counties, TN.

• **George H. Garrett Memorial Scholarship Endowment**
  Awarded to freshmen from the Tri-Cities area of East Tennessee. Recipients may apply for renewal in future years. Applicants should have demonstrated financial need and demonstrate ability, character, and scholastic performance. Applications should be submitted to the University Scholarship Committee.

• **Buford J. and Mary Jane Goldstein Scholarship Endowment**
  Awarded to full-time students pursuing a bachelor’s degree with demonstrated financial need. Applicants must have a 2.5 minimum high school or college cumulative GPA. Application should be submitted to the University Scholarship Committee.

• **Ben and Jeanne Greene Family Scholarship**
  In memory of the Greene’s son, Benny. For students from Blount County, Tenn. A 2.8 GPA is required. Financial need considered. Apply to the University Scholarship Committee.

• **Edna Harrison Family Scholarship**
  Entering freshmen, undergraduate, and graduate students with a minimum 3.0 GPA and demonstrating good character and promise for future career or professional achievement. Application should be submitted to the University Scholarship Committee.

• **Heritage Federal Scholarships**
  Awarded to undergraduate and graduate students. First priority is to students who are dependents or employees of Heritage Federal. Second priority is to College of Business students whose primary residence is in the primary marketing area of Heritage Federal. Applications should be submitted to the University Scholarship Committee.
• **Aubrey Hunter Jobe Memorial Scholarship Endowment**
  In memory of Aubrey Hunter Jobe, established by his family and friends. For graduates of Northside High School, Roanoke County, VA. Based on leadership, participation in school activities, and academics. For entering first-time freshmen. Apply to the University Scholarship Committee.

• **Johnson City Lions Club Memorial Scholarship Endowment**
  For disabled students, primarily those with a vision or hearing disability, or a junior, senior, or graduate student preparing for a career working with the disabled. Recipient must have financial need. Apply to the University Scholarship Committee.

• **The Edward D. Jones Investments Scholarship**
  This scholarship is awarded to entering freshmen from the following counties in Tennessee: Carter, Greene, Hawkins, Sullivan, and Washington and to entering freshmen from Bristol, VA. High school principal or guidance counselor must nominate student. Applications are mailed to the high school and should be submitted to the ETSU scholarship office by March 1. The nominee must have a minimum of 3.3 GPA or a 26 on the ACT.

• **Bill and Lynn Stamm Kovach Scholarship Endowment**
  For deserving and needy undergraduate students. Must demonstrate potential for academic success and have documented financial need. Incoming freshmen must have a minimum of 2.5 GPA and 24 ACT or above; currently enrolled students must have 3.0 GPA.

• **Minifibers, Inc. Scholarship Endowment**
  This university scholarship is awarded to students from Southwest Virginia or Northeast Tennessee with a minimum high school or college GPA of 2.5 with plans and potential for graduating from ETSU. Applications should be submitted to the University Scholarship Committee.

• **Minority Scholarship Program**
  For entering African-American undergraduate students. Consideration will be given to academic standing or potential for academic success. Apply to the University Scholarship Committee.

• **The Charles and Martha Montgomery Scholarship Endowment**
  The Charles and Martha Montgomery Scholarship Endowment is awarded to full-time undergraduate or graduate students with a 2.7 minimum GPA. Application should be submitted to the University Scholarship Committee.

• **Giles W. Morrill Memorial Scholarship**
  Undergraduate applicants must have a 3.0 cumulative GPA. Preference is given to students with demonstrated financial need. Priority given to, but not limited to, residents of Flag Pond, Rocky Ford, Shallow Ford, the south end of Unicoi County, south of Sandy Bottom up to Sam’s Gap. Applications should be submitted to the University Scholarship Committee.

• **Mountain City Rotary Club Scholarship Endowment**
  Graduates of Johnson County High School (with at least two years of attendance at the school) with a minimum 2.5 GPA and demonstrated potential for successfully completing college and having success in a career. Application should be submitted to the University Scholarship Committee by March 31.

• **Nontraditional Student Scholarship**
  For ETSU students, other than typical freshmen entering college directly from high school, upgrading career skills on a part time or full time basis. Documented financial need. Apply to the University Scholarship Committee.

• **North American Rayon Corp. Scholarship Endowment**
  Established to provide for immediate descendants of the company. After that, priority will be given to students living in Carter County. Students must have a 2.8 GPA and financial need. Apply to the University Scholarship Committee.

• **Olive Jane Raber Scholarship Endowment**
  Entering freshmen from Sullivan County high schools are encouraged to apply. First preference shall be given to residents of Sullivan County, Tennessee, with a 3.0 GPA. Apply to the University Scholarship Committee.

• **The Paul A. Rowan Scholarship**
  For dependents of employees of Allied Metals Company. Apply to the Office of Financial Aid.

• **Rotary Club of Johnson City**
  For incoming freshmen from Johnson City/Washington County high schools. First priority given to Interact Club members. Must possess a minimum GPA of 3.5, ACT of 28. Nonrenewable. Apply to the University Scholarship Committee.

• **Maude Stewart Smyre Memorial Scholarship Endowment**
  For deserving students attending the Kingsport University Center. Applicants must be from Scott County, Virginia; Eastern Hawkins County, Tennessee; or Western Sullivan County, Tennessee. Application deadline is February 1. Apply to the University Scholarship Committee.

• **Scotty L. Snyder Scholarship**
  For spouses or dependent children of full-time permanent, retired, or deceased staff employees at East Tennessee State University. Apply to the University Scholarship Committee.

• **William B. Stokely, Jr. Scholarship**
  For residents of Cocke County, Tenn. Applicants should have financial need and a strong academic record. Apply to the University Scholarship Committee.

• **Street Family Scholarships**
  For entering freshmen and transfer students from the Southwest Virginia counties of Buchanan, Dickenson, Lee, Russell, Scott, Washington, and Wise. Based on need and academic ability. Current ETSU students not eligible. Apply to the University Scholarship Committee.

• **Tetrick-Oakley Scholarship**
  Established by Heritage Family Funeral Homes with priority to dependents of employees of Tetrick-Oakley Funeral Homes and residents of their service areas. Apply to the University Scholarship Committee.

• **The Nancy Vaughn Williams Scholarship Endowment**
  Incoming or currently enrolled students with a 2.8 GPA minimum and demonstrated financial need should apply through the University Scholarship Committee.

• **Robert L. Wyatt Memorial Endowment**
  For students specializing in Geographic Information Systems or Urban Studies. Apply to the University Scholarship Committee.
Category Three Scholarships

Students should contact the listed programs directly for application materials. Scholarships are grouped according to general university scholarship programs or alphabetically by college.

General University Scholarships

• Academic Honors Programs

Honors programs at East Tennessee State University are available at the university level and within certain disciplines. The University Honors Scholars Program awards up to 20 full scholarships each year, which provide costs of tuition and fees, standard dormitory and meal plans, and a book allowance. A number of Honors-in-Discipline Programs offer varying amounts of support and are available in the colleges of Applied Science and Technology, Business, Nursing, and with Arts and Sciences in the departments of Biological Sciences, Chemistry, Criminal Justice and Criminology, English, History, Mathematics, Psychology, Physics and Astronomy. Programs are also available in teacher education and Environmental Health.

All Honors programs require a special application. Information regarding Honors programs and requests for an application can be obtained by contacting the University Honors Program Office, Box 70294, East Tennessee State University, Johnson City, TN 37614-1701; email boland@mail.etsu.edu; phone 423-439-6456; or by visiting the office at 914 West Maple Street on the ETSU campus.

Candidates for the University Honors Scholars Program must be first-time freshmen and meet the minimum qualifications of 29 ACT (1280 SAT) and 3.5 or greater high school GPA. Qualified candidates should contact the University Honors Program Office for a special application, which is due by February 1 of each year. The following named Honors Scholarships are administered as a group and contribute to scholarships for University Honors Scholars:

Academic Honors Scholarship
Woodrow W. & Margaret T. Catherman Honors Endowment
D. P. Culp Honors Endowment
Bruce W. Cunningham Honors Endowment
Burgin E. Dossett, Sr. Honors Endowment
Isaac D. & Lenoir W. Eggers Honors Endowment
Allen Harris, Jr. Honors Endowment
Carl A. Jones Honors Endowment
David Lewis Jones Honors Endowment
Roy & Ann Nick’s Honors Endowment
Robert C. Petrey Honors Endowment
Pirate Club & Intercolligate Athletics Honors Endowment
Leslie Parks Pope Honors Endowment
Judge Clifford E. Sanders Honors Endowment
Sherrod Honors Endowment
Barbara Jaffe Silvers Honors Endowment
Paul E. Stanton Jr. & Family Honors Endowment
Texas Instruments Honors Endowment
Elizabeth L. Williams Honors Endowment
Stuart E. Wood, Jr. Honors Endowment

• AIM Scholarship

An award to an AIM recipient attending ETSU at Kingsport. Apply to ETSU at Kingsport.

• Amerace Corporation Scholarship

Two awards for employees of the Microporous Products Division of Amerace Corp. or dependents or immediate relatives of employees. Recipients must be full-time students and maintain at least a 2.0 GPA. July 1 application deadline. Scholarship applications are available from Amerace and should be submitted to the University Scholarship Committee.

• Celebration Church Scholarship

Scholarships for those active in the Celebration Church with preference given to international students. Applications should be made through the Celebration Church Office.

• Citicorp Credit Services Leadership Scholarship

Awarded in recognition of a student’s demonstrated leadership potential. For currently enrolled students who have earned at least 12 credit hours with a 3.0 or higher GPA. Applicants must have at least one academic year remaining as an undergraduate. Applications are available through the Office of Student Life and Leadership. Deadline is March 1.

• The ETSU Reentry Student Scholarship

To enable students to prepare themselves to reenter the job market through academic preparation after being primary caretakers for their households. Apply by June 1 of each year. Apply to the Center for Adult Programs and Services (CAPS).

• The ETSU/UT at Kingsport Award for Academic Excellence

An award to cover the amount of tuition given each fall and spring to a part-time undergraduate student of ETSU/UT at Kingsport earning the highest grade point average for the previous two academic semesters. Apply to the ETSU/UT at Kingsport Center.

• Ira M. Gambill Medical Education Trust

Scholarships awarded to graduates of Johnson County High School, Mountain City, Tenn. Apply to the principal of Johnson County High School.

• Robert F. Hardin and Yvette Grindstaff Hannen Scholarship

For the graduating seniors with the highest GPAs at Elizabethton High School, Unaka High School, and Hampton High School, Carter County, Tenn., to attend ETSU. Apply to the Principal’s Office, Elizabethton High School, Unaka High School, or Hampton High School.

• Harrell Educational Fund

For graduating students from Volunteer High School in Hawkins County, Tenn., who would not otherwise be able to attend college. The maximum award is $1,000 per year. Students must maintain a 2.0 GPA to be eligible to reapply. Apply to Volunteer High School or the Trust Department of First American Bank, Kingsport, Tenn.

• Pearl Sue Lady

An award to cover the amount of tuition given each fall and spring to a full-time undergraduate student of ETSU at Kingsport. The award is based on both financial need and grade point average. Apply to ETSU at Kingsport.

• Lighthouse Award

An award to cover the amount of tuition given each fall and spring to a part-time undergraduate student of ETSU at Kingsport.

• F.G. McCloskey Scholarship

For dependents of employees of the Columbus Electric Manufacturing Co. Apply to the Personnel Office of Columbus Electric.

• Steward McCorkle Education Assistance Award

An award to cover the amount of tuition until the student graduates or for six years, whichever occurs first. The award is for an undergraduate, part-time student not eligible for federal financial aid. Apply to ETSU at Kingsport.

• Muse-Moody-Holloway Scholarship

For an outstanding graduate of Johnson County High School, Mountain City, Tenn. Apply to the Guidance Counselor at Johnson County High.
• **Roan Scholars Leadership Endowment**
  The Roan Scholars Leadership Program awards four full scholarships that cover the cost of tuition, room, meals and a book allowance. The scholarship is renewable on a yearly basis for four years, based on academic performance. The purpose of the scholarship is to identify students with strong leadership potential, provide well-designed leadership development opportunities during their college experience, and prepare the students to be future community leaders. **Students may not apply directly to this program. Selected high schools are invited to nominate the school’s most outstanding student leader(s). Nomination materials are mailed annually to the principals of selected high schools. The following scholarships support the Roan Scholars Leadership Endowment:**

  - **Mabel Haire/Campbell Roan Scholarship**
  - **Eastman Chemical Company Roan Scholarships**
  - **Greene County Bank Roan Scholarship**
  - **Gump Family Roan Scholarships**
  - **Haskell Tate and Ruth Stout Hodges Roan Scholarship**
  - **Ted R. Hughes Roan Scholarship**
  - **Carl A. Jones Roan Scholarship**
  - **Kathryn P. Jones Roan Scholarship**
  - **Scott M. Niswonger Roan Scholarships**
  - **Iona B. and Helen F. Shields Roan Scholarship**
  - **Washington County Bank Roan Scholarship**

• **Jim and Elizabeth Welch Award for Academic Excellence**
  An award to cover the amount of tuition given each fall and spring to a part-time undergraduate student of ETSU Kingsport earning the highest grade point average for the previous semester. Apply to ETSU at Kingsport.

**College of Applied Science and Technology Scholarships**

• **Army ROTC Financial Assistance Program**
  A two-year scholarship in the amount of tuition, fees, cost of textbooks, laboratory expenses, and classroom materials for sophomores, juniors, or graduate students. Apply to the Department of Military Science (Brooks Gym Room 202) or call 439-5291. Application deadline is April 1.

• **Wayne G. Basler Incentive Scholarship Endowment**
  Established by Mr. Wayne Basler for technology majors. Apply to the Department of Technology.

• **Harryet S. Blackwell Scholarship Endowment**
  Awarded to Applied Human Science Majors. Given by the Pre-professional Graduate section of the American Association of Family and Consumer Services and based on scholarship and professional potential. Contact the Department of Applied Human Science.

• **Floyd A. Branam Memorial Scholarship Endowment**
  For declared majors in Building Construction Technology with a 2.5 minimum GPA and demonstrated financial need. Contact the Chair of the Department of Technology.

• **Kevin Wayne Bunn Memorial Scholarship Endowment**
  For students who are declared majors in the Department of Geography, Geology, and Geomatics. Must have a GPA of 2.8 with financial need. Contact the Department of Geography, Geology, and Geomatics.

• **Crouch/Fulton/TAPS Scholarship Endowment**
  For students majoring in engineering, surveying concentration. Must be a junior or senior. Apply to the Department of Technology.

• **William P. Dotson Family Army ROTC Scholarship Endowment**
  For contracted ROTC students with sophomore or junior standing. Must have a 2.8 cumulative GPA with a minimum 3.0 GPA for the previous semester. Apply to the Department of Military Science.

• **ETSU ROTC Department Scholarship - Academic Performance Scholarship (APS)**
  Students interested in joining the ROTC program may apply fall or spring semester for an APS with the Department of Military Science. Students must maintain at least a 2.9 GPA and work 75 hours a semester in the ROTC department. Apply to the Department of Military Science.

• **John Foster Memorial Scholarship Endowment**
  Awarded to students from Virginia studying Surveying and Mapping Science. 2.5 GPA minimum. Submit applications to the ETSU Surveying and Mapping faculty.

• **Capt. Daniel E. Graybeal Memorial Scholarship Endowment**
  In honor of the memory of Capt. Daniel E. Graybeal and to provide scholarships for full-time ETSU students contracted in Army ROTC. Apply the first day of fall semester to the Department of Military Science.

• **James and Jane Hales Scholarship**
  Awarded to full-time undergraduate, graduate, or doctoral students in the College of Applied Science and Technology. Applicants must have a minimum 3.0 GPA. Applicants must have documented financial need. Applications should be submitted by March 1 to the College of Applied Science and Technology.

• **Calvin Lee Justis, Jr. Memorial Scholarship Endowment**
  Awarded to majors in Computer Science with demonstrated financial need. Preference given to re-entry students. Contact the Department of Computer Science.

• **Juanita West Proffitt Scholarship Endowment**
  For majors in the Department of Applied Human Sciences. Awarded on the basis of scholarship and financial need, with preference going to candidates from Western North Carolina (Yancey, Madison, and Buncombe counties) and Northeast Tennessee (Washington, Carter, Johnson, Unicoi, Sullivan, Greene, Hawkins and, Hancock counties). Apply to the Department of Applied Human Sciences.

• **Pete Ragan Survey Scholarship**
  Provided by Ragan-Smith to a student majoring in Surveying. Preference given to a student from Middle Tennessee. Nominations are made by the faculty in the Department of Geography, Geology, and Geomatics. Application deadline is June 1.

• **Vivian V. Rockwood Scholarship Endowment**
  For a rising senior with a minimum 3.5 GPA. Recipient must be a member of Kappa Omicron Nu with plans to attend graduate school. Apply to the Department of Applied Human Sciences.

• **Rufus H. Smith, Jr. Housing Foundation Scholarship Endowment**
  For juniors or seniors from the greater Knoxville region in the Construction Technology Program. Students must have a minimum 2.75 GPA and demonstrate financial need. Apply to the Department of Construction Technology.

• **Texas Instruments Computer-Integrated Manufacturing Scholarship Endowment**
  For students who demonstrate an academic and professional interest in Computer Integrated Manufacturing with a 3.0 GPA. Apply to the College of Applied Science and Technology or the College of Business, Office of Undergraduate Studies.

• **Lt. Robert B. Thorne Memorial Scholarship Endowment**
  Awarded to deserving ROTC cadets in memory of Lt. Thorne. Must have 2.0 GPA and have earned at least 54 credit hours. Must be a full-time student with a record of leadership. Applications should be mailed to the Department of Military Science.
• **Tittle Construction Technology Scholarship**  
To be awarded to a student studying Construction Technology in the College of Applied Science and Technology. Contact the Dean of the College of Applied Science and Technology.

### College of Arts and Sciences Scholarships

• **Holly Adams Memorial Scholarship Endowment**  
In memory of a 1987 graduate. Applicants must be rising juniors majoring in art and design and must have a minimum 2.8 GPA. Apply to Chair, Department of Art.

• **Ruth Corpening Adams Scholarship**  
This scholarship supports sophomores majoring in art and design. Applicants must be rising sophomores. Apply to Chair, Department of Art and Design.

• **Lamar Alexander Scholarship Endowment**  
For full-time ETSU students participating in activities of the ETSU Department of Music and the Johnson City Symphony. Awards based on competitive auditions. Currently enrolled ETSU students must maintain minimum 2.8 GPA and be registered for applied music for orchestra. Apply to the Chairman, Scholarship Committee, P.O. Box 70661, Johnson City, TN 37614.

• **Elsie Arzt Memorial Scholarship**  
For a music major concentrating in piano and strings. Apply to the Department of Music.

• **Clive W. and Esther W. Bare Endowed Scholarship**  
Awarded to students majoring in political science and having demonstrated financial need. Applications should be submitted to the Department of Political Science.

• **Biological Sciences Research Award Endowment**  
Awarded to graduate students with demonstrated promise in scientific research and for achievement following graduation. Written statement by applicant must describe the research and methods that will increase scientific knowledge to preserve the natural resources of Tennessee. Applications should be submitted to the Department of Biological Sciences.

• **Teresa Bowers Scholarship Endowment**  
For voice majors. Awarded by the Music Faculty Scholarship Committee on the basis of competitive auditions. Apply to the Chairman, Department of Music.

• **Morton A. Brown Scholarship Endowment**  
In honor of Dr. Morton A. Brown. For a junior, senior, or graduate history major with a GPA of 3.0 or better. Apply to the Department of History.

• **Steven E. Buttolph Criminal Justice Scholarship**  
Awarded to a junior, senior or graduate student in criminal justice. Must have at least a 3.0 GPA and documented financial need. Preference will be given to police officers continuing their education.

• **Chemistry Scholarship Endowment**  
Awarded to freshmen with a commitment to major in chemistry. Recipients must maintain a 2.7 cumulative GPA and a 2.7 GPA in all chemistry courses taken in a given academic year. Applications should be submitted to the Department of Chemistry.

• **Dr. Richard Compton Memorial Scholarship**  
In memory of Dr. Benjamin Richard Compton, III. A competitive, renewable scholarship for a rising sophomore, junior, or senior concentrating in woodwinds or strings. Must have a 3.0 GPA. Apply to the Department of Music.

• **Floyd Cramer Endowment Fund for Music Scholarships**  
A three-fold scholarship program providing:
1. Annual scholarship for students enrolled in music at ETSU;
2. The annual Floyd Cramer Performance Accompanying Scholarship for a talented student to accompany faculty recitals, student senior recitals, and performing organizations;
3. Nonrenewable awards to music students based on student’s financial need, department need for specific skills, and student merit.

Awards in (1) and (2) categories based on competitive audition. Recipients may reapply in subsequent years. Currently enrolled ETSU students must hold minimum 2.8 GPA. Specific course requirements determined by Faculty Scholarship Committee. Apply to the Department of Music.

• **Crawford-Williams Scholarship Endowment**  
For an outstanding student majoring in history. Apply to the Department of History.

• **John R. Cunningham Memorial Scholarship Endowment**  
For future law enforcement personnel. Incoming freshmen must have minimum 2.5 high school GPA; currently enrolled students must have minimum 3.0 GPA. Apply to the Chairman, Department of Criminal Justice and Criminology.

• **Rex Denwil Depew Memorial Scholarship**  
Awarded to full-time students majoring in math and preparing for a teaching career. Apply to the Department of Mathematics.

• **ETSU Friends of Theatre Scholarship Endowment**  
For students with strong interest in theatre. Apply to the Department of Communication.

• **Faber-Neal Scholarship Endowment**  
Awarded to a worthy and needy sophomore mathematics major. Must demonstrate a commitment to a successful career in the field of Mathematics. Apply to the Department of Mathematics.

• **Joy Faye Fox Memorial Scholarship Endowment**  
Awarded to Art majors that are entering freshmen, a graduate of University High School, and have a minimum 2.8 cumulative GPA. Apply to the Department of Art by March 1.

• **William Harvey Fraley and Nina M. Fraley Memorial Award Endowment**  
Awarded to graduate students demonstrating promise in scientific research in the Department of Biological Sciences. Research must provide increased scientific knowledge in molecular, cellular, or organismal biology. Applications for this award should be submitted to the Department of Biological Sciences.

• **Frank Scholarship Endowment**  
For students who are declared majors in speech with a concentration in theatre or who show commitment to the theatre. Must have a 2.7 GPA and audition/interview. Contact the ETSU Division of Theatre.

• **Boris Franzus Endowment**  
Awarded to undergraduate and graduate students excelling in chemistry. Apply to the Department of Chemistry.

• **Margaret and Ruth Hays Art Scholarship Endowment**  
In memory of a former faculty member of the Department of Art, this scholarship is open to students entering the university as first-time freshmen. Application portfolios are evaluated during early April. Applications should be made to the chair, Department of Art and Design.
• Mary Bomar Herrin Memorial Scholarship
  Annual award recognizing superior scholarship of graduate and undergraduate English majors. Local residents with demonstrated financial need especially considered. Apply to the Department of English for selection by the Special Programs Committee.

• Jeffrey Lynn Hightower Memorial Scholarship Endowment
  Math students with at least a 3.25 GPA should submit applications to the Chair of the Department of Mathematics.

• Journalism Scholarships
  See listing below; note geographic restrictions concerning legal residence. Awarded to help defray expenses of juniors and seniors who are majoring in journalism. Recipients are selected on the basis of demonstrated academic achievement and indicated potential for a successful career in journalism. Selections are made by the Journalism Scholarship Committee, which consists of faculty members and professional newspersons. All journalism majors and minors of record are eligible and will automatically be considered. Apply to the Department of Communications by February 1.

The Kingsport Times-News Journalism Scholarship
An annual grant of $750. All citizens of the United States are eligible.

George W. Kelly Scholarship Endowment
For journalism majors with a GPA of 3.5.

The Richard Cobb Miller Memorial Scholarship in Journalism
An award of $400 for each of the junior and senior years. All citizens of the United States are eligible.

Tri-City Metro Advertising Federation
An award for a junior or senior advertising major with a GPA of 3.0 or better.

• Robert LaPella Vocal Performance Scholarship
  For vocal music majors with 2.8 GPA or better. Must participate in opera and other choral activities. Apply to the Department of Music.

• Jill MacLean Memorial Scholarship Endowment
  Award recognizing superior scholarship and potential of undergraduate English majors with junior or senior standing. Apply to the Department of English for selection by the Special Program Committee.

• Christopher T. Mahan Memorial Scholarship
  Awarded to full- or part-time students with demonstrated financial need majoring in criminal justice. Preference will be given to students who graduated from Sullivan Central High School. Application should be made to the Department of Criminal Justice.

• Mary and Ambrose Manning Scholarship Endowment
  For preparatory secondary English teachers who have completed 60 credit hours and maintained a 3.0 GPA. Apply to the Department of English for selection by the Special Programs Committee.

• Maxine Matthews Scholarship
  For students in the Department of History. Contact the Department of History.

• Lt. Richard McBroom Criminal Justice Memorial Scholarship
  For juniors or seniors criminal justice major with a GPA of 3.0 and financial need First priority given to Bluff City, TN residents and second priority given to Sullivan county residents. Additional preference given to current law enforcement officers.

• Todd W. McKeelhan Memorial Scholarship
  Awarded to full-time students showing exceptional promise for contributing to the field of criminal justice and majoring in Criminal Justice. Apply to the Department of Criminal Justice by March 1.

• Golda M. Merrill Scholarship Endowment
  For promising English majors with junior standing and a 3.0 overall GPA, a 3.2 GPA in English coursework, and demonstrated financial need. Apply to the Department of English for selection by the Special Programs Committee.

• Harry G. Merrill Scholarship Endowment
  For senior English majors planning to pursue a Masters Degree in English. Student must have a 3.0 overall GPA and a 3.2 GPA in English coursework and demonstrated financial need. Apply to the Department of English for selection by the Special Programs Committee.

• The Rush W. and Celma Davis Murphy Scholarship Endowment
  Awarded to students dedicated to the field of social work with preference to those from Tennessee showing financial need. Awards will be made by the ETSU Scholarship committee in conjunction with the Department of Social Work.

• Dr. Herman O’Dell Scholarship Endowment
  Award to be made to a junior majoring in Biology. Selection will include service and extra-curricular activities as well as GPA. Nominations are made by the faculty. Applications are not appropriate.

• Walter Garland Patton Memorial Scholarship
  For a student working toward a career in church music. Established from an endowment from Mrs. Sara Garland Patton in honor of her son. Selection by a faculty scholarship committee. Renewable by same application procedure. Apply the Department of Music.

• Denise I. Pav Scholarship
  Awarded to students admitted to the Biological Sciences graduate program. Applicants must have earned at least a 3.4 GPA and have demonstrated academic excellence. Applicants must be U.S. citizens, Canadian citizens, or landed immigrants of either country. Preference shall be granted based on financial need. Contact the Department of Biological Science.

• Powell Choral Music Scholars Scholarship Endowment
  Music students with a minimum GPA of 2.5 may receive awards for voice or instrumental performance. Applications should be submitted to the ETSU Department of Music.

• William Flinn Rogers Scholarship Endowment
  For academic excellence in the study of history. Apply to the Chairman, Department of History.

• The Ella Virginia Ross Scholarship Endowment
  A scholarship for a junior or senior music major. Apply to the Department of Music.

• David R. Scruggs Memorial Scholarship
  For criminal justice majors. Apply to the Department of Criminal Justice and Criminology.

• Mary Florence and Virgil C. Self Scholarship Endowment
  For a talented music major concentrating in keyboard or voice, with first preference to organ. Applicants may be rising sophomores, juniors, or seniors with minimum 3.0 GPAs. Apply to the Department of Music.

• Margaret Sells Chemistry Scholarship Endowment
  For full-time graduate students in Chemistry. Must maintain a minimum 3.5 cumulative GPA. Apply to the Department of Chemistry.
- **Barbara Jaffe Silvers Memorial Scholarship Endowment**
  Awarded to deserving students by the Department of History. Application should be made to the Department of History.

- **Benny Sims Memorial Scholarship Endowment**
  Must have demonstrated financial need. Awarded to full-time students participating in the Bluegrass and Country Music program. Apply to the Department of Music.

- **The Robert H. Smith, Sr./WCYB-TV Scholarship**
  A memorial to Mr. Smith, a founder of Appalachian Broadcasting Co. For students from the WCYB-TV service area, primarily East Tennessee, Southwest Virginia, Western North Carolina, and Eastern Kentucky, who are rising juniors or seniors majoring in communication with emphasis in broadcasting and who can demonstrate financial need. Apply to the Chairman, Department of Communication.

- **Southern Dames Scholarship**
  For outstanding political science majors. Contact the Department of Political Science.

- **Edward L. Stanley Scholarship Endowment**
  For meritorious students planning to major in mathematics. Freshmen must have minimum high school GPA of 3.2 and ACT composite of 25. Renewable at the discretion of the selection committee if student maintains minimum 3.2 GPA. Apply to the Chairman, Department of Mathematics.

- **Charline Stansbury Scholarship Endowment**
  For academic excellence to a rising senior in the public relations section of the Department of Communication. Apply to the Department of Communication.

- **Charles F. Wilkey Mathematics Scholarship Endowment**
  Awarded to students who are juniors and above who show dedication and devotion to the field of mathematics. Minimum 3.5 GPAs should submit applications to the Chair of the Department of Mathematics.

- **Wilson-Hartsell Scholarship Endowment**
  For students majoring in mathematics. Apply to the Department of Mathematics.

- **Dr. Eduarado Zayas-Bazan Scholarship Endowment**
  For students majoring or minoring in Spanish with a desire to participate in the Spanish summer abroad program. Applications should be submitted to the Chair of the Department of Foreign Languages.

### College of Business Scholarships

- **Fred Cason Scholarship Endowment**
  For rising accounting professionals. Applications should be sent to the Department of Accountancy.

- **Clyce Distributing Scholarship**
  For deserving students in the College of Business. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **College of Business Scholarship**
  For outstanding business majors. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Gary Cooter & Mark Heaton Memorial Scholarship Fund**
  Awarded to graduate students majoring in the Master of City Management Program and demonstrating academic ability. Applications should be submitted to the Master of City Management Program by March 1.

- **J. Thomas Davis Memorial Scholarship**
  Established by friends and family of J. Thomas Davis for students majoring in marketing. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Economics Scholarship**
  Awarded to students who are Economics majors with a minimum GPA of 2.75. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **General Shale Products Scholarships**
  Business majors must have demonstrated financial need and minimum 3.0 cumulative GPA. Preference will be given to students residing in Northeast Tennessee, Southwest Virginia, or Western North Carolina. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Harris Foundation Scholarship Endowment**
  For rising sophomores, juniors, or seniors in the College of Business. Applicants must hold minimum 3.0 GPA. Preference to residents of Northeast Tennessee followed by other Tennessee residents. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Holston Distributing - Stuart E. Wood, Jr. Scholarship Endowment**
  For students majoring in marketing. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **American Production Inventory Control Society (APICS) Scholarship**
  For a student majoring in management with a concentration in operations management. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Gene and Jan Burleson Business Scholarship Endowment**
  Awarded to students who show determination to complete the requirements for a bachelor’s degree. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Glenn N. Barker Scholarship Endowment**
  For transfer students and continuing ETSU students with a declared business major and a minimum 3.0 GPA. Applicants must demonstrate financial need. Renewal may be possible through the student’s graduate program. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Home Federal Bank of Tennessee Scholarship Endowment**
  Scholarships shall be awarded to students in the College of Business who show outstanding promise in the field of business. A minimum GPA of 3.0 is required. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

- **Johnson City Business Club Scholarship**
  For rising junior or senior business majors from Johnson, Washington, Cocke, Greene, Unicoi, or Hawkins counties, Tenn. A 3.0 GPA is required. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.
• **Johnson City Human Resource Association Scholarship**  
For students who are declared Human Resources majors with a 2.5 minimum GPA. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Jones/Myers Real Estate Appraisers Scholarship**  
Students majoring in economics/finance, real estate concentration. Must be a junior or senior. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Edsel H. Lester Scholarship Endowment**  
Awarded to full-time business majors from Buchanan, Dickenson, Lee, Russell, Scott, Washington, or Wise counties in Virginia. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **C.C. and Alice Marshall Business Scholarship Endowment**  
First preference given to a business major that is a member of the men’s golf team. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Joyce L. Mason Scholarship Fund**  
Scholarships for rising junior or senior Finance majors with an overall 3.0 GPA. Documented financial need shall be considered. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Scott and Muriel Mayfield Business Scholarship Endowment**  
Awarded to business majors who are members of the Intercollegiate Men’s Golf Team. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Roy and Ann Nicks Business Scholarship Endowment**  
Awarded to business majors in honor of Roy and Ann Nicks. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **James and Sandra Powell Business Scholarship Endowment**  
Awarded to business majors in honor of Mr. and Mrs. Powell to ETSU. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Real Estate Scholarship**  
For junior or senior real estate majors. Made possible by Johnson City Realtors and alumni. Apply to the Real Estate Division of the Department of Economics and Finance.

• **Russian-Eurasian Scholarship**  
For Russian-Eurasian students studying in the Department of Economics, Finance, and Urban Studies. Contact the Department for information.

• **Karl W. Sharp Accountancy Excellence Scholarship**  
For incoming freshmen who meet the following standards:  
a. Demonstrate academic and professional promise in accountancy.  
b. Score at 90th percentile or higher on the ACT or SAT.  
c. Rank in the top 10 percent of their high school graduating class.  
Apply to the Department of Accountancy.

• **Texas Instruments Computer-Integrated Manufacturing Scholarship Endowment**  
For students who demonstrate an academic and professional interest in Computer-Integrated Manufacturing with a 3.0 GPA. Apply to the College of Applied Science and Technology or the College of Business, Office of Undergraduate Studies, 213 Sam Wilson Hall, by March 1.

• **Ray and Janie Thomas Scholarship Endowment**  
Business majors must be rising sophomores, juniors, or seniors with a minimum 3.0 cumulative GPA. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

• **Fred C. Ward Memorial Endowment**  
Awarded to recognize outstanding accountancy majors. Apply to the Department of Accountancy.

• **James H. Widener Memorial Scholarship Endowment**  
Undergraduate and graduate students interested in risk management/insurance after graduation. Applicants must be Tennessee residents with a minimum 3.0 GPA. Preference will be given to a member or dependent of the Johnson City Lions Club or other Lions Club in Tennessee. Applications are available in the Office of Undergraduate Studies, 213 Sam Wilson Hall, and are due by March 1.

**College of Education Scholarships**

• **Dr. Montess Byrd Memorial Scholarship**  
Elementary Education and Early Childhood Education majors with a 3.0 GPA and documented financial need should apply to the Department of Educational Leadership and Policy Analysis by March 1.

• **Claudius G. and Katherine Earnest Clemmer Endowment**  
For rising juniors, seniors, or graduate students who are preparing for a career in teaching. Apply to the Dean’s Office, College of Education.

• **ETSU College of Education Scholarship Endowment**  
For elementary and secondary education majors. A 3.0 GPA required. Apply to the Dean’s Office, College of Education.

• **Sara J. Goodin Memorial Scholarship**  
In memory of Sara J. Goodin. For needy students with a 3.2 GPA in their undergraduate work. Students must be seeking Master of Arts in teaching degree. Apply to the College of Education.

• **Joan Brandon Hull Memorial Scholarship Endowment**  
Undergraduate and graduate education majors with a minimum 2.8 GPA and documented financial need. First preference will be given to students from Greene County, Tennessee. Apply to the College of Education Scholarship Committee by April 1.

• **Professor E.E. and Margaret Johnson Hawkins Memorial Scholarship Endowment**  
In memory of Professor E. E. and Margaret Hawkins. For elementary or secondary education majors from Northeast Tennessee (Washington, Carter, Unicoi, Sullivan, Greene, and Johnson counties). Financial need considered. Apply to the Dean’s Office, College of Education.

• **Dr. L. Scott Honaker, Jr. Memorial Scholarship**  
In memory of a former dean of the College of Education. For a rising junior or senior education major. A 2.8 GPA is required. Apply to the Dean’s Office, College of Education.

• **Mabel Clair Ligon Memorial Scholarship Fund**  
For undergraduate and graduate education students with the following standards:  
a. Demonstrated financial need.  
b. Minimum GPA 3.0 undergraduate, 3.5 graduate.  
c. Full-time rising junior, senior, or graduate student.  
d. Major: undergraduate - secondary or elementary teacher preparation program; graduate - counseling, school or clinical psychology. Apply to the Dean’s Office, College of Education.
• Military Order of the Purple Heart Endowment
  To provide funding for an Award of Excellence, Research, or Special Projects in the Child Study Center and to offer special training opportunities to regular and special educators in rural school settings. Apply to the Director, Division of Special Education by March 1.

• Carolyn G. Palmer Memorial Scholarship Endowment
  For students in education or educational media. Priority given to North Carolina or Tennessee residents. Apply to the College of Education.

• Phi Delta Kappa Scholarship
  Awarded to education majors. Apply to the College of Education.

• Lloyd T. and Winifred O. Roberts Scholarship Endowment
  For physical education majors. Apply to the Chairman, Department of Physical Education, Exercise, and Sport Sciences.

• Louise Skalko Scholarship Endowment
  For students in instructional technology with a declared media services major. Preference will be given to disabled students. Financial need considered. Apply to the Department of Curriculum and Instruction by March 1.

• John L. and Grace Wilson Wade Family Scholarship
  In memory of Judge Clive W. Bare and John L. and Grace Wilson Wade. Awarded to education majors who have documented financial need. Apply to the College of Education.

• Isabel Hayes Williams Scholarship Endowment
  In memory of Isabel Hayes Williams. For students with a 2.8 GPA who exhibit great promise as teachers or educators. Apply to the College of Education. Deadline, March 1.

College of Nursing Scholarships

• Jay L. and Levenia S. Allen Memorial Scholarship Endowment
  Applicants must have demonstrated financial need. Must be rising junior or senior with a cumulative 3.0 GPA and formally admitted as a major in nursing or public health. Demonstrate leadership and care and concern for individuals and communities. Apply to the College of Nursing Office of Student Services or the College of Public and Allied Health by March 1.

• Norma Paisley Barker Memorial Scholarship Endowment
  In memory of a nursing alumna, Norma Barker ’75, ’80. For graduate students formally admitted into the Nursing Program. Apply to the College of Nursing Office of Student Services by March 1.

• Betsy H. Brogan Scholarship Endowment
  For full-time undergraduate and graduate students formally admitted into the Nursing Program. Apply to the College of Nursing Office of Student Services by March 1.

• Patricia M. Brown Scholarship
  For students enrolled in the B.S.N. degree program with demonstrated financial need. Apply to the College of Nursing Office of Student Services by March 1.

• Mayme Frazier Scholarship Endowment
  For premed or nursing undergraduate or medicine or nursing postgraduate students from the College of Nursing. Apply to the College of Nursing Office of Student Services by March 1.

• Mr. Robert Lee Gilmer Memorial Scholarship Endowment
  Awarded to students in the B.S.N. program who are residents of southwest VA, with preference given to graduates of high schools in Russell County, VA. Applications should be submitted to the College of Nursing Office of Student Services by March 1.

• Elizabeth Hall Grindstaff Scholarship
  For students pursuing a degree in the College of Nursing with demonstrated financial need. Apply to the College of Nursing Office of Student Services by March 1.

• Eleanor H. Lowry Scholarship Endowment
  For students accepted into the B.S.N. nursing degree program. Apply to the College of Nursing Office of Student Services by March 1.

• Barbara Oakley Memorial Scholarship Endowment
  For nursing students accepted into the B.S.N. major. Apply to the College of Nursing Office of Student Services by March 1.

• Tennessee Nurses’ Association Scholarship Endowment
  For a nursing student during his/her final academic year of clinical courses. Student must be full time, have a minimum 3.0 GPA, demonstrate leadership in both school and community activities, including membership in a local chapter of the Tennessee Association of Student Nurses or be a constituent of the American Nursing Association. Apply to the College of Nursing Office of Student Services by March 1.

• The Eddie Williams, Jr. Memorial Rural Health Scholarship Endowment
  Rising juniors and seniors with an interest in rural health issues may apply for this scholarship. A 500-word essay describing the applicant’s interest in rural health issues will be required. Applicants must have a 2.5 GPA, demonstrate financial need, and be a resident of Northeast Tennessee, Southwest Virginia, or Western North Carolina. Recipients will be required to make at least one public presentation about their work/interest in rural health while receiving this scholarship. Contact the Office of Rural Health.

• Guy B. and Miriam O. Wilson Memorial Nursing Scholarship Endowment
  For a rising junior or senior enrolled in the B.S.N. program with demonstrated financial need. Apply to the College of Nursing Office of Student Services by March 1.

College of Public and Allied Health Scholarships

• Jay L. and Levenia S. Allen Memorial Scholarship Endowment
  Applicants must be a rising junior or senior in Nursing or Public Health. Must have demonstrated financial need. Must have cumulative GPA of 3.0 or higher. Must demonstrate leadership and exemplify characteristics of care and concern for individuals and communities. Apply to the Department of Public Health or College of Nursing by March 1.

• Sam D. and Jonelle M. Coffey Scholarship Endowment
  For students in their final semester of the respiratory program with a minimum GPA of 2.5. Student must demonstrate potential to be a strong leader in the respiratory career field. Must have documented financial need. Apply to the Dean's Office, College of Public and Allied Health by November 1.

• Bruce A. and Amelia R. Goodrow Endowment
  Applicants must be committed to a career in a public health profession and preference will be given to candidates majoring in Community Health, Public Health Administration, or Environmental Health, in that order. Preference will be given to residents of Hawkins or Grainger counties, or veterans of military forces of the United States residing in East Tennessee, or to students residing in any other rural East Tennessee county, in that order. Applicants must demonstrate academic potential and ability. For renewal, recipient must complete 12 hours each semester with 3.0 GPA as freshman and sophomore; 3.25 as a junior and senior; and 3.5 as a graduate student.
• **William M. “Mac” Hensley Scholarship Endowment**
  Applicant must be a Tennessee resident, US citizen and a second year Physical Therapy student (having completed four semesters in Physical Therapy). Must reflect high moral character and Christian values. Must have documented unmet financial need. Apply to the Department of Physical Therapy by April 15.

• **John P. Lamb, Jr. Memorial Scholarship**
  For rising junior or senior in Public Health. Minimum GPA 3.0 Must demonstrate potential to succeed in health education career. Must demonstrate leadership abilities. Apply to the Department of Public Health by March 1.

• **Joe F. Lynch Memorial Scholarship**
  For Environmental Health majors with recognized financial need. Must be a resident of Carter, Washington, Blount, or Sevier counties in Tennessee. First preference given to children of employees of the state of TN. Minimum GPA of 2.7 on previous high school or college work. Apply to the Department of Environmental Health by March 1.

• **Dr. Francis Ward Morgan Memorial Scholarship Fund**
  For second year Dental Hygiene majors. Must be a full-time student with a 3.0 GPA. Must demonstrate potential for a successful career in dental hygiene. Apply to the Department of Dental Hygiene by March 1.

• **Dr. M.T. Morgan Scholarship**
  Applicant must be an Environmental Health major and a member of the men's football team. Must be a resident of Johnson, Carter, Washington, Unicoi, Sullivan, Greene, Hancock, Hamblen, Jefferson, Cocke or Sevier counties in Tenn., or Madison County, N.C. Minimum GPA of 2.5 on all previous high school and/or college work. Must have demonstrated financial need. Apply to the Department of Environmental Health by March 1.

• **State of Franklin Environmental Society Scholarship**
  For undergraduate Environmental Health majors. Entering freshmen are eligible. Must be a resident of Washington or Greene counties in Tenn. Must have documented financial need. Must gain an understanding of the State of Franklin Environmental Society through reading the history; Contact the Department of Environmental Health for information on application deadline.

• **The Eddie Williams, Jr. Memorial Rural Health Scholarship Endowment**
  Rising juniors and seniors with an interest in rural health issues may apply for this scholarship. A 500-word essay describing the applicant's interest in rural health issues will be required. Applicants must have a 2.5 GPA, demonstrate financial need, and be a resident of Northeast Tennessee, Southwest Virginia, or Western North Carolina. Recipients will be required to make at least one public presentation about their work/interest in rural health while receiving this scholarship. Contact the Office of Rural Health
STUDENT SERVICES AND RESOURCES

Regard for the student as a person, and provision of opportunities for participation in the co-curricular life of the university are basic commitments of East Tennessee State University. Dedicated, caring individuals strive to give the student a sense of belonging to ETSU. Student services include an orientation program, financial aid, housing, personal counseling, and advising to help plan a program of study or choose a vocation. Student services are available to meet the special needs of minority groups, students with disabilities, and those with specific health or academic problems.

Various student services are described below. Additional information about any of these services can be secured by contacting the Office of Student Affairs, upper level of the D.P. Culp University Center, phone 439-4210.

Academic Advising — Advisement at ETSU is defined as a “continuous interactive process between an advisor and student which facilitates the development and achievement of the student’s overall goals.” Advisement is a distinct part of a student’s educational experience, provided by ETSU as a service. Discussions between the student and the advisor should assist in exploring and clarifying educational, career, and life goals. Students should consult with their advisor before making decisions that may affect academic progress and success. Discussions with the advisor may include: career decisions, ETSU resources, dropping a class, withdrawing from school, selecting courses, and understanding degree requirements.

All students who entered ETSU fall 1997 or later with less than 60 credits are required to meet with an advisor prior to registration. Beginning fall 2002, first-term-at-ETBU transfer students are required to meet with an advisor prior to registration for the first and second term of enrollment. These guidelines are the minimum advisement requirement. Some colleges and departments may have additional advisement requirements. Students should consult with their academic advisor to determine advisement requirement.

All students have an assigned advisor and should confer with the advisor regularly. An advisor can be assigned or changed by contacting the advisement coordinator of the college or school in which the student’s major is offered.

Students who have declared a major should see an advisor in that major. Students who have not declared a major should go to the University Advisement Center located on the second floor of the D.P. Culp Center in the Advisement Resources Career Center (ARC). Students taking classes in Bristol, Kingsport, or Greeneville may contact these centers for advisement information. Other areas may contact the student to discuss additional advisement opportunities such as Athletics, the Center for Adult Programs and Services (CAPS), Students Support Services, Pre-Med and the Pre-Professional areas.

All students will benefit by conferring with their assigned advisor on a regular basis.

Adult Programs and Services — The Center for Adult Programs and Commuting Student Services represents a unique collection of academic and student support services designed especially for adult, transfer and re-entry students. Center staff provide a wide spectrum of highly individualized services designed to ease the transition of the new adult student as well as the transfer student into the university setting. Assistance is also available for continuing adult students.

Special adult transition programs for entering students are held before the beginning of each semester. The center also serves as a focal point for information about careers, child care, financial aid, scholarships, off-campus housing, and provides personalized referral for university services. Other services include pre-semester programs for first-time adults as well as transfer students, and a variety of other services for commuting students.

The staff of the center includes adult students who have already made a successful transition to college life and are sensitive to the concerns and needs of the returning adult. The Center for Adult Programs and Commuting Student Services is located in the ARC Center on the second level of the Culp University Center and is open from 8 a.m.-4:30 p.m. from Monday-Friday, phone 439-5641.

Advisement, Resources, and Career Center — The Advisement, Resources, and Career Center (ARC) is located on the second level of the D.P. Culp University Center next to the Bookstore. Phone 439-8650. The ARC is open Monday-Friday 8:00 a.m. - 4:30 p.m.

The ARC is staffed by professionals who evaluate students’ academic progress as it relates to their personal aspirations and career goals. In addition to advising students, referrals for additional academic assistance are made when necessary.

The ARC is user-friendly so that students can access advisement, career and support services without ever leaving the facility. The ARC serves as a primary resource for students who have a variety of needs including those who are entering the university for the first time, those that are unsure about an academic major or career option, and those who wish to take advantage of various academic support services to enhance their classroom learning. The ARC incorporates several academic and student support services listed below.

- University Advisement Center - Undeclared (439-5244) — The Center offers academic advising and counseling to all students who have not declared a specific major or who are not yet ready to commit to a major at ETSU. Counselors help students understand and complete General Education requirements and assist students to identify careers and coursework that affirm their academic strengths and interests. Visit our web site at www.etsu.edu/univadvctr/uac/index.htm.

- Center for Adult Programs and Commuting Student Services (439-5641) — Personalized counseling and advisement for first-time, transfer and re-entering adult students. Commuting Student Services: car pool, off-campus listings, transit schedules, area maps and day care/babysitter listings. “One-Stop Shopping” for campus forms, applications, catalogs, schedules and information. The “home” for two adult student organizations: Once Again Students-In-School (OASIS) and Alpha Sigma Lambda - the adult student honor society. CAPS is “the” place for adult and commuting students. Visit our web site at www.etsu.edu/students/caps/index.htm.

- Cooperative Education and Internship Services (439-5388) — This office provides students the opportunity to gain valuable “work world” experience while earning academic credit. Students may co-op/intern in their chosen major or minor. Additionally, this office assists with resume development and Internet job access information. Visit our web site at www.etsu.edu/careers.

- Inside Track (439-4758 or 439-5396) — A university-funded academic support program that offers a variety of tutoring approaches. Individual tutoring is available in General Education Core Courses; Supplemental Instruction is provided in selected high-risk core courses; Blackboard Online tutoring sites and chat rooms are provided in selected core courses. All tutoring services are free. Visit our web site at www.etsu.edu/sss.

- NEXUS (439-6187) — A freshman retention program sponsored by Student Support Services, that offers services to traditional-age first-year students who qualify. These services include mentoring, personal counseling, career planning, academic advising, and workshops specifically designed to address common concerns of new freshmen. Visit our web site at www.etsu.edu/sss.

- Peer Career Center (439-8651) — Located in the ARC, the Peer Career Center is a starting place for students who are uncertain about their career choice. With the assistance of our professional staff, career interest inventories, personality inventories, and an extensive career library, we can help students identify career options that suit their personal needs.

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These services are free to current ETSU students. Limited services are available to potential students and ETSU alumni. Visit our web site at www.etsu.edu/students/counsel/peercareer.htm.

- Undergraduate Student Advisement (439-8557) — Responsible for the coordination and continuous improvement of advisement. For advisement information visit our web site www.etsu.edu/advisment.

Alumni Association — The ETSU Office of University Alumni is the campus contact for more than 60,000 university graduates and former students. All of these individuals are members of the ETSU National Alumni Association.

Alumni may participate in a variety of activities, such as regional chapter activities, constituent societies, special alumni programs, alumni student recruitment, reunions, homecoming and various events that support ETSU.

Many alumni are chosen to participate in the popular “Alumni Return to the Classroom” program, which features alumni as “Professors for a Day” sharing their professional experiences with students during homecoming week. Alumni also participate in the “Buc Connection” career development network or support student recruitment through the Alumni Admissions Council.

ETSU’s National Alumni Association, in cooperation with the ETSU Foundation, also supports scholarships for academically outstanding students. The Office of University Alumni is located on campus in room 303 of Burgin E. Dossett Hall, phone (423) 439-4218.

Arts and Crafts Shop — The Arts and Craft Shop is located on the lower level of the D. P. Culp University Center. The Craft Shop is available for use by students, faculty, staff, and their immediate families. Instruction is offered in ceramics, basket weaving, stenciling, floral decorating, stained glass, and other crafts.

Banking — The Tennessee Teachers Credit Union, located in the University Bookstore, provides full-service banking for students and staff. There is also an ATM machine in the Culp University Center.

Bookstore — The University Bookstore carries a supply of new and used textbooks, paperbacks, imprinted gift items, school and office supplies, art and engineering supplies, stationary, greeting cards and class rings. Gift certificates, computer software and computer supplies are also available. We now offer a free pre-pack service for your textbooks. The University Bookstore is located on the middle level of the D. P. Culp University Center and is open fall and spring semester Monday-Thursday 7:45 a.m. until 6 p.m. and Friday 7:45 a.m. until 4:30 p.m., phone 439-4436. Summer hours: Monday - Friday 8 a.m. until 4:30 p.m.

Busing System — The university operates a free shuttle system for students, faculty, staff, and visitors, linking parking lots on the perimeter of the campus with main academic and administrative buildings. Operation hours are scheduled during peak class periods as well as in conjunction with selected major campus events. Schedule, route, and other details are available at various locations on campus including the Center for Adult Programs and Commuting Student Services, lower level of the Culp University Center, phone 439-5641, and Physical Plant, phone 439-7900.

Career Placement and Internship Services — Since the university realizes that the choice of a career is a complex and yet essential task, a number of services are provided, some for those choosing a career and others to assist in obtaining a job.

The Counseling Center provides the following career services: (1) individualized counseling; (2) printed instruments to help students assess their interests, values, abilities, and personality traits as a means of choosing a career well suited for them; (3) a user-friendly computerized career guidance program to give information about work in specific occupations, trends in the job market, likes and dislikes of workers, beginning salaries, future opportunities, and related fields; (4) lists of professionals in the area willing to discuss the day-to-day opportunities in their field of study. Faculty advisors may discuss opportunities in their field of study.

Consultation with the Office of Career Placement and Internship Services staff can help by providing: (1) job placement opportunities for full-time, part-time, and summer employment; (2) field experience-based cooperative education for academic credit; (3) an occupational and employment information library for information on career opportunities including data on specific area employers; (4) workshops and seminars on career planning, resume writing, interview techniques, and job-hunting skills; (5) computer-assisted job matching and resume design; (6) national employment trends and salary information.

The Office of Career Placement and Internship Services, phone 439-4441, and the Counseling Center, phone 439-4352, are located on the third floor of the D. P. Culp University Center. Cooperative Education and Internships is located in the ARC, second floor, Culp Center (439-5388).

Clinics — See Student Health Services.

Commuting Student Services — The Center for Adult Programs and Commuting Student Services provides specialized student services especially important to the commuting student. These services include transit information, loan of battery cables, and off-campus housing information. An information “HotLine” (439-5641) is provided for university bad weather advisories. These services are offered in the Center for Adult Programs and Commuting Student Services which is located in the D.P. Culp University Center.

Computer Labs — The largest open-access computer lab in the Tennessee Board of Regents System is located on the first level of the Culp University Center next to the post office. Students enrolled at ETSU with a valid ID may use the lab which features 80 IBM/Compatible and five Macintosh PCs. The needs of students with disabilities are met with a computer specially equipped with screen magnification, adjustable workstations, and speech processing.

Word, Excel, PowerPoint, Visual Studio, SPSS, and SAS are some of the programs available in the lab. Students can also access the Internet and use electronic mail.

The lab is open from 8 a.m. to 2 a.m. Monday through Thursday, 8 a.m. to midnight Friday, noon to midnight Saturday, and noon to 2 a.m. Sunday.

Three labs house 140 IBM PCs or compatibles and 5 Macintosh microcomputers. A growing software library is available in each lab from a server attached to the campus local area network. When not in use as classrooms, computer labs are available for walk-in use by any registered student. The microlabs are staffed by lab monitors (student workers) at all times. They are supervised by a lab manager. These monitors help users with common problems and keep the labs neat and secure. They are not tutors.


E-mail and Internet access is available to all students from the microlabs.

Computer Resources Code of Ethics — All users of any institutionally maintained electronic data, data files, software, and networks are expected to handle the resource in a responsible and ethical manner. A user’s interest ceases when it invades the right of personal and/or institutional privacy; results in the destruction of personal and/or institutional property; demonstrates a potential for loss, embarrassment, litigation to the individual and/or institution; or causes a limited resource to be used in a wasteful or careless manner.

All information processed through Computer Services is considered sensitive and/or confidential. The responsibility for the release or discussion of data is assigned to the official custodian of the data file(s). Access to information is based on a legitimate “need to know” and directly related to assigned duties.

University electronically maintained data, data files, software, and networks will be used for authorized purposes only. Users are responsible for the security of the resources.
Any use of the resource deemed irresponsible or unethical (as defined in the Faculty Handbook section 1.10.1) will result in the immediate denial of use of the resource. The violation will be referred to the proper authorities for disciplinary and/or legal action including, but not limited to, restitution, restriction, reprimand, suspension, probation, expulsion, termination, and, if necessary, legal action. Appeals will be handled through due process channels (APA) already established for students and/or staff. Student violations will be referred to the Vice President for Student Affairs and/or Vice President for Health Affairs; faculty violations will be referred to the Vice President for Academic Affairs and/or the Vice President for Health Affairs; and staff violations will be referred to the Vice President for Administration and Development.

The following examples attempt to convey the intent of irresponsible and/or unethical use: violation of Federal/State copyright laws; violation of the Family Educational Rights and Privacy Act of 1974; use of the resource for obscene material; deliberate wasteful use of the resource, unauthorized altering of hardware, software, or data; piracy of data or software belonging to another person; or careless use of the resource which may result in the release of restricted information.

Computer Network and Internet Access: Privileges & Responsibilities — East Tennessee State University (ETSU) operates a wide-area network that interconnects local area networks in academic and administrative offices, student computer labs, and in the future dormitory rooms. The university maintains connections into the Tennessee Education Cooperative Network (TECnet), the Internet and the World Wide Web. Thus, the university's network is a part of the global network that provides access to information and information processing technologies. By having access to the university's network and its resources, students, faculty, and staff can communicate and collaborate among themselves and their counterparts throughout the world. This privilege carries with it responsibilities with which all users must comply.

Everyone within the ETSU community who uses networked computing and communications facilities has the responsibility to use them in an ethical, professional and legal manner, and to abide by TECnet policies. Users should respect the privacy rights of others. ETSU's facilities and network. Access capabilities should never be used for purposes intended to incite crime. Communications which violate Tennessee, federal, or international law are not acceptable. For example, the use of ETSU’s computer and network resources to threaten or harass others or the misrepresentation of one's identity in electronic communications for the purpose of illegal or unauthorized actions or activities will not be tolerated.

These statements concerning responsibility are not meant to be exhaustive. Any questionable use should be considered “not acceptable.” Serious or repeated instances of abuse will be referred to the proper authority for disciplinary or legal action.

**WARNING** Any person who knowingly brings on campus, has in their possession or distributes any virus without the authorization and written permission of the Division of Information Resources, will be considered to be in violation of the above and will be vigorously prosecuted. **Campus** is defined to include any property owned, leased, maintained or controlled by ETSU and includes any site or area where any system owned, leased, operated and/or maintained by ETSU is housed.

NOTICE TO USERS. It is the policy of East Tennessee State University to protect all institutional computing resources including, but not limited to, hardware and software, consisting of the actual equipment being supplied by the university as well as the programs and related materials used in conjunction therewith. In accordance with local, state, and federal law, indiscriminate examination of individual user's files is not permitted, nonetheless as a means of maintaining the integrity and security of those aforementioned resources.

East Tennessee State University retains the right to inspect individual accounts and files stored on any system owned, maintained and/or leased by said university. While no prior authorization by individual users is required to inspect those files and accounts, the user is, by virtue of accepting the account offered by ETSU and “logging” on to its computing equipment, granting to the university prior unrestricted permission, subject to university policy, to review, examine and/or otherwise view, by any method at the sole discretion of the university and without any additional advance notice to said user, any account and/or file stored on university computer resources.

Should such a review take place, the user will be given notice, as a courtesy only, of the results of said review within a reasonable time after the review is completed. While use of university computing resources for personal use is strictly forbidden, should the user have materials for which he/she has any reasonable expectation of privacy or which the user considers to be confidential for any reason, the user should retain those materials on a disk which can be secured as would any other personal items or materials which one consider private in nature.

For such a policy to work, it is essential that users observe responsible and ethical behavior in the use of the resources. In an effort to assist the user community in effective use of the limited computer resources, it seems reasonable to highlight some specific responsibilities and types of behavior that represent abuse of a user's privilege. The examples do not constitute a complete list but are intended to convey the intent of the code.

Users should not damage or attempt to damage computer equipment or to modify or attempt to modify equipment so that it does not function as originally intended. It is equally wrong to damage or modify or attempt to damage or modify the software components: operating systems, compilers, utility routines, etc.

Users should not use or attempt to use an account without authorization from the owner of that account. Users have the responsibility of protecting their accounts through the proper use of passwords, but the fact that an account is unprotected does not imply permission for an unauthorized person to use it. Further, accounts are to be used only for the purposes for which they have been established. Only the individual owner of an account is authorized to use that account. Providing passwords or in any way permitting or making it possible for anyone other than the authorized owner of the account to use computer resources is not authorized and may be a violation of Tennessee Law. Under this condition both the owner and the unauthorized user may be subject to legal action if determined to be appropriate by ETSU legal counsel. Additionally, it is wrong to use a university-sponsored account for funded research, personal business, or consulting activities. There are special accounts for such purposes.

Users should not use private files without authorization. Owners of such files should take precautions and use the security mechanisms available. However, the fact that a file is not protected does not make it right for anyone to access it, unless it is specifically designed as a public access file. It is equally wrong for anyone to change or delete a file that belongs to anyone else without authorization. Violation of property rights and copyrights covering data, computer programs, and documentation is also wrong. In the event of accidental access of private files, confidentiality of those files must be maintained.

Any deliberate wasteful use of resources is irresponsible; it encroaches on others’ use of facilities and deprivation of resources. Printing of large unnecessary listings and the playing of games solely for entertainment are examples of such abuse. Users are expected to be aware of the resources they are using and to make reasonable efforts to use these resources efficiently.

All state and federal copyright laws will be abided by at all times. Users must not copy any part of a copyrighted program or its documentation which would be in violation of the law or the licensing agreement without written and specific permissions of the copyright holder.

Serious or repeated instances of abuse of computer facilities and resources will be referred to the proper authorities for disciplinary or
legal action including, but not limited to, restitution, restrictions, reprimand, suspension, probation, expulsion, or termination.

**Computer Services** — ETSU provides a wide range of computer resources in support of instruction, research, administration, and public service. The administrative systems utilize a VAX 6520 under the VMS operating system. The academic mainframe is an IBM ES/9000 model 190 with a VM operating system and utilizing the Conversational Monitoring System (CMS). A vector processor and a number of compilers and software packages are available, including SPSS, SAS, FORTRAN, and PASCAL. Student access to the academic system in support of classroom assignments is available in the microcomputer labs.

**Continuing Studies** — As an academic service provider for the university, the School of Continuing Studies offers a variety of opportunities. The Division of Cross-Disciplinary Studies makes it possible to offer selected credit courses either at the workplace or in local communities. Four bachelor's degree programs are housed in this division: Bachelor of General Studies, Bachelor of Applied Science, Bachelor of Science in Interdisciplinary Studies, and Bachelor of Science in Professional Studies. The last two are part of the TBR regents online degree program and may be obtained entirely online if the student desires. All four degree programs cater to adults who began a degree sometime in the past, but were not able to complete it. The Master of Arts in Liberal Studies allows adult students to pursue interdisciplinary study in a variety of areas. Regional centers and sites in Bristol, Greeneville, and Kingsport afford students the opportunity to remain close to home and pursue a degree.

Distance Education plays a central role in the university’s ability to serve students in their own community, thereby saving the students’ time and transportation expense. Professional Development offers national or regionally known noncredit programs and can custom design a program for those who have a need. The Tennessee Institute for Economic Development is a partnership venture between the Tennessee Board of Regents and the University of Tennessee which is administered by ETSU, with its primary mission targeted at basic economic development information for elected officials and professionals. The federally supported TRIO Programs provide a great opportunity for income eligible, first generation college students, college-bound students, or veterans.

**Cooperative Education/Internships** — Cooperative Education and Internships provide students opportunities to earn academic credit in many majors at ETSU. Students may choose placements that allow the student to alternate between academic semesters and co-op/internship semesters exclusively with an employer, or the student may choose a parallel placement assignment that allows the student to take classes and work with an employer in the same semester. Information about the cooperative education and internships can be obtained by visiting the cooperative education and internship services program office in the D.P. Culp Center, (ARC) 2nd floor, or by calling 439-5388.

**Counseling Center** — The Counseling Center (340 D.P. Culp, University Center) provides an array of counseling and mental health services to ETSU students, including personal counseling, career counseling and assessment, educational programming, psychiatric services, and consultative services. Our staff is comprised of psychologists, an outreach coordinator, psychiatric residents, graduate assistants, and support staff. The Center is also responsible for the Campus Alcohol and Other Drug Program and the Campus Advocates Against Sexual Violence Program. We provide our career services through the Peer Career Center, located in the Advisement, Resources, and Career (ARC) Center. Counseling services are confidential and free to all ETSU students. For more information about our services, contact our main number (439-4841) or contact the Peer Career Center (439-8651).

**Developmental Studies** — The Division of Developmental Studies was created by East Tennessee State University to address the basic skills deficiencies common among a number of entering college students.

**Assessment and Placement**

**Credit Hour Computation**

**Drop/Add Policy**

**Reinstatement Policies**

**Assessment and Placement** — ACT or SAT scores less than three years old will be used to determine whether students will be placed in DVS courses. For students with an ACT composite score of less than 19 (or comparable SAT) DSPR 0800 is required. If the ACT subscores (comparable SAT) in English and Math are less than 19, the appropriate Developmental courses are required. For students 21 years of age or older, who do not have ACT or SAT scores, the entire AAPP assessment battery is required. Following a review of transfer credit, it may be determined that a transfer student must complete the AAPP test battery before registration for classes. In these cases, the assessment tool used to determine course placement is called the COMPASS test. Students must complete each course sequence in which they have been placed with a minimal grade of “C”.

**Credit Hour Computation** — Credit hours earned in Developmental Studies courses are in addition to the minimum number of hours required for graduation within any degree program. Credit hours and grade points earned in these courses are used in the computation of a student’s overall grade point average (GPA), but are not computed for honors recognition or for meeting minimum average requirements for graduation.

**Drop/Add Policy** — Developmental Studies courses cannot be dropped without permission.

**Disability Services** — In compliance with federal regulations outlined in Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, it is the policy of East Tennessee State University to make accommodations, course substitutions, and other academic adjustments when necessary to ensure equal access for students with disabilities. While all students with disabilities are protected from discrimination, some students may not be eligible for all of the services coordinated by Disability Services. Classroom and testing accommodations are made on an individual case-by-case basis. Students who wish to request an accommodation or academic adjustment because of a disability must follow the established process for self-identification by completing the intake process with Disability Services.

During the intake process, students are informed of the policies and procedures surrounding the accommodation process, student responsibilities as well as ETSU responsibilities. Eligibility for classroom and testing accommodations and other support services coordinated by Disability Services is based on the review of student’s documentation of disability.

Intake applications are not complete until current documentation of disability has been received and reviewed by Disability Services. ETSU does not recognize individualized education plans (IEP) as documentation; however, information included in an IEP may be helpful when identifying the services a student may utilize while at ETSU.

In order to establish eligibility, the documentation provided must include:

- **Statement of diagnosis, date of most recent evaluation, and when available, date of original diagnosis,**
- **Description of diagnostic criteria and/or diagnostic tests used,**
- **Description of the current impact of the disability in an academic environment,**
- **Credentials of the diagnosing professional,**
- **Documentation of attention deficit disorders should be no more than three years old,** and
• Documentation of learning disabilities should be no more than five years old with results based on an adult measurement scale.

The diagnosing professional must have specific training and expertise in a field related to the type of disability being diagnosed. For example, a psychologist, psychiatrist, or educational examiner must make a learning disability diagnosis. Documentation not including the information outlined above or from a professional whose credentials are not generally indicative of expertise in the specific disability being diagnosed cannot be used to establish eligibility for services. ETSU does not provide any type of learning disabilities evaluations; however, Disability Services maintains a list of professionals in private practice who can evaluate learning disabilities.

Disability Services is located in the D.P. Culp Center, Suite A on J.L. Sechorn, Jr. Road (v/tdd) 423-439-8346, (tdd) 423-439-8370.

Early Childhood Learning and Development — The Center for Early Childhood Learning and Development operates programs to serve the needs of young children. Child care services for families are offered by both programs. They are licensed by the Tennessee Department of Human Services and accredited by the National Academy of Early Childhood Programs. The Child Study Center is located at 2101 Signal Drive, approximately one mile from the main ETSU campus. Children ages 3 months through 5 years are served in a full-year, full-day early childhood program. Enrollment is on a limited basis. Information for full-time child care can be obtained by calling 439-4888 or 439-4887.

Little Bucaneers Student Child Care Center is a child care program located on campus in Warf-Pickel Hall which is specifically designed to meet the needs of ETSU students. ETSU students can enroll their children ages 3 months to 8 years for blocks of time each semester that will accommodate their child care needs while attending classes and during study times. This program is supported by the Student Activities Allocation Committee and ETSU. Information for the part-time child care program can be obtained by calling 439-7549 or 439-4198.

Students majoring in early childhood education, elementary education, special education, nursing, social work, counseling or psychology may find it beneficial to observe in these programs. Graduate assistantships, Academic Performance Scholarships, Federal Work Study Program employment opportunities, student teaching, and practicum positions are also available.

Financial Aid — A comprehensive financial aid program has been developed to assist eligible students. Counselors are available from 8 a.m.-4:30 p.m. Monday through Friday. This office is located in Burgin E. Dossett Hall, room 105, phone 439-4300 or 800-704-ETSU. Additional details on financial aid are presented elsewhere in this catalog and on the web at www.etsu.edu/finaid/financial.htm.

Games Room — The games room is located in the D. P. Culp University Center and offers a variety of amusements including video games, pinball, pool, table tennis, and “foosball.”

ID Card and Campus Debit Card (ID BUCS) — All students must obtain an official East Tennessee State University ID Card in order to have full access to all university facilities and services. Your ID card not only provides student identification, but will also allow access to Sherrod Library services, door access to residence halls, Mini-Dome, CPA, AVL, computer labs, and parking lot gates. Your ID card is also used to access meal plans, to obtain tickets to athletic events, and to participate in student voting.

Students may also choose to create a debit account called ID BUCS. You may use ID BUCS in the Campus Bookstore, all food service locations, laundry facilities in residence halls, Craft Shop, Student Health Clinic, University Press Convenience Center, Sherrod Library, Bursar's Office, and Pepsi, Coke, and snack machines located all over campus. ID cards will be issued during new student orientations or anytime after registering for classes. Please come by the ID Services Office on the second level of the D.P. Culp Center for additional information and a brochure detailing all of the terms and conditions and services.

ID Services Office, P.O. Box 70611, Johnson City, TN 37614, phone: 423-439-8316. Regular office hours: Monday through Thursday, 8 a.m. - 7 p.m., Friday, 8 a.m. - 4:30 p.m.

Immunization Requirements — Students entering college are required by law, to have proof of two doses of MMR vaccine. Documentation must be on file with Student Health Services before you can register for the following semester.

The first dose must have been given on or after the first birthday. MMR vaccinations must be given at least 30 days apart. Students born prior to 1957 are exempt from this requirement.

Student Health is located in room 55 Lamb Hall. All registered ETSU students are eligible for health care services.

Information Areas — For information by phone call 0 if on campus and 439-4112 if off campus. Information via the Internet is available at www.etsu.edu.

The University Center Office on the second floor of the D.P. Culp University Center serves as a general information area from 8 a.m. to 1 a.m., Monday through Thursday, 8 a.m. to 10 p.m., Friday and Saturday, and 10 a.m. to 10 p.m. on Sunday. These hours are for the fall and spring semesters.

The Center for Student Life and Leadership located in the D.P. Culp Center provides information on student organizations and campus programs. Hours are 8 a.m. - 4:30 p.m. Monday - Friday, Phone 439-5675.

The Center for Adult Programs and Commuting Student Services, located in the ARC Center on the 2nd level of the Culp University Center, has a supply of most printed material available on campus. Staff members are willing to locate the information desired, if it is not already available in the office. Hours are 8 a.m.-4:30 p.m. Monday-Friday, Phone 0 if on campus and 439-4112 if off campus.

Insurance — It is the responsibility of all students to provide hospitalization insurance for themselves if they desire to have coverage in the event of an illness or in case of injury while attending the university. For those students not having protection under a family insurance plan or for those who want additional coverage, ETSU has arranged for a special student insurance policy. Application forms and information pertaining to this insurance are available in the Student Affairs Office located on the 3rd level of the D.P. Culp Center.

International Programs — The Office of International Programs, located temporarily on the first floor of Yoakley Hall, serves the international community of visiting international students and scholars from more than 60 countries who attend or visit ETSU. Programming, advising, immigration issues and advisement, community outreach, field trips, Friendship Family Program, and international festivals are among the many services offered by the Office.

The office coordinates both the National Student Exchange (NSE) and the International Student Exchange Programs (SEP), which provide ETSU exchange opportunities at a cost comparable to that of ETSU.

Leadership Education — Leadership education is a key part of the ETSU experience. Students learn leadership to be more effective in everyday living as well as to excel in their profession and position in the community. It is strongly encouraged that students seek and accept leadership positions in student organizations, service activities, campus governance, university committees, orientation and Preview, peer advisement, and academic departments. The opportunities will build your skills as well as your network of reference. Learning leadership is for everyone, not just a select few.

The Center for Student Life and Leadership provides numerous ways for students to become more proficient in their leadership abilities. Students may utilize many of the following offerings: Leadership Development Series, Leadership Transcript, Leadership House (a living learning environment), Leadership Studies and Inter-disciplinary minor.
Contact Student Life and Leadership, phone 439-5675, for more information.

Libraries — The new Sherrod Library, containing the major learning resources that support the university’s program of teaching and research, opened in 1999. Seventy-plus public access computer stations and laptop connection areas are distributed throughout this state-of-the-art building which has more than 1,800 seats. The collections include one-half million volumes, over one million microforms, over 2,000 periodical subscriptions, more than 350,000 federal and state documents and maps, audiovisual media, and the state depository collection of K-12 state-adopted textbooks. All of the materials in the collections can be found in the VOYAGER catalog, which is accessible from any Internet-connected computer. There are 25 laptops available for in-library use to students. Copy machines and printers are located on 1st, 2nd, and 3rd floors. A study room open 24 hours a day is available with a student ID.

The ETSU/UT at Kingsport Library has a collection of over 25,000 volumes and maintains subscriptions to over 100 periodicals.

The Medical Library is located in Building 4 of the Veterans Affairs Medical Center. The library has a seating capacity of 213 and houses a collection of over 96,000 books, journals, computer databases and media support the academic, clinical, and research programs of the College of Medicine.

Museum — A campus history project initiated in the late 1920s created a repository that ultimately emerged as the B. Carroll Reece Memorial Museum. Its initial collections were made up of art and artifacts which had been collected and housed by the Department of Art and Design and Sherrod Library. The Carroll Reece Museum was formally dedicated on October 10, 1965. It is a component of ETSU’s Center for Appalachian Studies and Services and has been accredited by the American Association of Museums since 1972.

The Reece Museum serves as a resource to the university’s students and faculty, as well as to the larger community. Reece Museum has three galleries which feature temporary exhibits of art and artifacts, and three galleries which house permanent exhibits consisting of musical instruments, items used during frontier settlement of the region, memorabilia from Congressman B. Carroll Reece, and selected prints from the permanent collection. Services and programs include guided tours of museum exhibits, “Discovery Tours,” workshops, lectures and other scholarly presentations, musical and other performances, demonstrations, and exhibit openings and receptions. Specialized instruction and programs are available upon request. All events and admission are free to the public. Office hours are weekdays from 8 a.m. until 4:30 p.m. Gallery hours are 9 a.m. until 4 p.m., Monday-Wednesday and Friday, 9 a.m. until 7 p.m. on Thursday, and 1-4 p.m. on Saturday and Sunday.

National and International Exchange Programs — The National Student Exchange Program, a consortium of 170 schools to which ETSU belongs, offers ETSU students the opportunity to study up to one year at one of the member campuses, at a comparable cost to that of attending ETSU. By participating in this domestic exchange program, students can explore new academic avenues to their area of study, explore job markets and graduate schools, and experience personal growth.

ETSU students who wish to study overseas, for a semester or a year, may apply to study at one of our 18 exchange universities or at one of the 100+ institutions, located in more than 33 countries, offered under the International Student Exchange Program (ISEP).

Generally, students may enroll in study abroad programs beginning in their sophomore year. GPA requirements vary but are frequently between 2.5 to 3.5. Some programs offer courses in English, while others in the language of the host country. Acceptance to programs with limited space is subject to competition. Interested students should allow a year of planning which may include the application process, language proficiency tests, financial aid issues, approval for transfer of credits, interviews, etc. For more information, please visit the Office of International Programs website at www.etsu.edu/intprograms/ or by visiting the Study Abroad Library, 104 Yoakley Hall.

Placement Service — Placement services are provided as part of the Office of Career Placement and Internship Services. The office processes inquiries from business, industry, school systems, hospitals, and government and social agencies. It also assembles employment materials, checks recommendations, arranges for interviews, distributes credentials, and provides other support service to complete the employment process. The Office of Career Placement and Internship Services is located in room 323 of the D. P. Culp University Center, phone 439-4441.

Pre-Health Reinforcement and Enrichment Program — The Pre-Health Reinforcement and Enrichment Program (PREP) is an umbrella for a variety of health career related summer programs at ETSU. James H. Quillen College of Medicine designed to help high school and college students prepare for a future in the health professions. PREP focuses on enriching academic training, developing problem-solving skills, and assisting students regarding various health careers through an array of programs structured to meet the needs of students at their particular level of academic preparation. PREP provides a wide-range of benefits (such as cash stipends, on-campus housing, travel reimbursement, learning materials, and field trips) depending upon the specific program in which a student participates.

Detailed information is available by contacting the Program Coordinator in the College of Medicine, Office of Student Affairs, room C247 C. Stanton-Gerber Hall, Bldg. 178 VA campus, telephone 423/439-2034 or by browsing the web page address: http://faculty.etsu.edu/gaskins/prep/index.html.

Public Safety — The Public Safety Building is located at the entrance of the university on University Parkway and has personnel on duty 24 hours a day for assistance. The emergency telephone number is 911. The public safety staff is composed of 21 state-certified sworn police officers who are also trained fire fighters. Public safety is a full-service police department encompassing traffic and parking enforcement, uniformed patrol, criminal investigations, and crime prevention education. Public Safety also provides these services: an escort service, engravers, booster cables, and battery booster packs. The non-emergency telephone numbers are 439-4480 for police services and 439-6900 for administrative services.

A traffic and parking regulation brochure has been prepared to inform and to protect all who use the campus roadways and parking areas. It is available in the Public Safety Building or at window #10 on the second floor of Burgin E. Dossett Hall.

Regional Centers — ETSU/UT at Kingsport is located on 97 acres and offers day, evening and weekend classes, including lower and upper division and graduate courses. The selection is sufficient to meet most degree requirements of the university during the first two years. The phone number is 392-8000.

ETSU at Bristol is located at 1227 Volunteer Parkway, Bristol, TN. The site offers a variety of undergraduate and graduate classes leading toward selected majors with day, evening, and weekend schedules. The telephone number is 423/844-6300.

ETSU at Greeneville is located in the Greeneville-Green County Center for Higher Education building, 215 North College Street in downtown Greeneville. Selected undergraduate and graduate courses are available during the day and evening through an articulation agreement between ETSU and Walters State Community College. The telephone number is 423/787-7300.

The Department of Health Related Professions, located at the Nave Center in Elizabethton, is a multidisciplinary department offering courses of study leading to a Bachelor of Science degree in Allied Health with concentrations in Cardiopulmonary Science and Radiography. The telephone number is 423/547-4900.
Reading Center — The Reading Center, a service component of the Department of Curriculum and Instruction in the College of Education, has both training and service functions. Training functions of the center are: (1) to improve reading of college students and other adults; (2) to provide practicum experiences for university students; and (3) to train reading specialists and others interested in effective teaching of reading. Service functions of the center are: (1) to evaluate children with reading/learning disabilities; (2) to provide consultative and research services. The Reading Center is located in room 304 of Warf-Pickel Hall, phone 439-4298.

Service-Learning — Service-Learning is a teaching strategy that uses meaningful community service combined with guided reflection to enrich and enhance student learning. Located in the Center for Student Life and Leadership, lower level of the Culp Center, the Office of Service-Learning coordinates the Introduction to Service-Learning 3-credit class, helps establish service-learning opportunities in other academic courses, and manages the Leadership Transcript Program for Service-Learning students. The Tennessee Consortium for Service-Learning in higher education is also headquartered in this office. For more information, call 439-8218 or 8219.

Student Life and Leadership, Center for — At the Center for Student Life and Leadership students excel in service and leadership both on campus and in the community. The center brings new and exciting learning opportunities for students through involvement in such programs and activities as student organization, Greek Life, service-learning, and leadership education.

The mission of the Center for Student Life and Leadership is to educate through programs, services, advisement, and other experiences necessary to the growth of students and their development of social awareness and civic responsibility.

Located on the lower level of the D.P. Culp Center, the center is open 8 a.m. - 4:30 p.m. For information contact us at 439-5675 or by e-mail at sllinfo@etsu.edu.

Student Government Association — The Student Government Association (SGA) strives to represent the opinions of the students on every aspect of campus academic and extracurricular life. Its members work closely with students, faculty, and administration to provide advice and information and a strong voice in the governance of the university. The SGA is located near the Office of Student Life and Leadership on the lower level of the D.P. Culp University Center, phone 439-5325.

Student Health Services — East Tennessee State University students enjoy the benefits of a modern health care service. The Student Health Clinic is part of the College of Nursing Faculty Practice Network. Clinic services are available to all enrolled students. The professional staff includes nurse practitioners, physicians, registered nurses, and a health educator. Services include:

- Management of acute, episodic illnesses and injuries
- Referrals for assistance in managing chronic disorders
- Immunizations
- Women's health program and assistance with family planning
- Men's health program
- Allergy clinic for those receiving allergy injections
- Patient education programs on a variety of topics

The Student Health Clinic is located in room 55 of Lamb Hall. Please call (423) 439-4225 for further information.

The Dental Hygiene Clinic of the Department of Dental Hygiene offers such comprehensive preventive therapeutic procedures as scaling and polishing teeth, pit and fissure sealants, nutritional counseling, periodontal therapy, patient education and exposing and developing radiographs. All treatment is performed, for a modest fee, by dental hygiene students under the supervision of the licensed dentist and dental hygiene faculty. Services are open to all students, university employees, and the general public. Appointments may be obtained by contacting the Dental Hygiene Clinic at 439-4514 in Lamb Hall, room 71 (Health Building).

The Speech-Language-Hearing Clinic, a component of the Department of Communicative Disorders, provides professional speech-language pathology and audiology services to students, faculty, and the general public. The service is provided by speech-language pathologists and audiology graduate students under the direct supervision of licensed Speech-Language Pathologists and Audiologists. The areas of service include speech and hearing evaluation, hearing aid evaluation, and treatment of speech and hearing disorders through therapy. Intervention may be available for deficits in articulation, phonology, language, voice, and fluency. The clinic is located in Room 204 of Lamb Hall. Please call (423) 439-4355 for appointments or information.

Service Programs — ETSU’s commitment to service is evident through the campus mission statement and the numerous opportunities we provide students. Whether community-based and interdisciplinary education, service-learning, and/or co-curricular service opportunities, students are encouraged to expand their intellectual and social development. For more information, contact the Center for Student Life and Leadership at 439-5675 or sllinfo@etsu.edu.

Study Abroad — See International Programs.

Student Organizations — If you are looking for ways to get involved on campus - you have come to the right spot. There are more than 150 registered student organizations on the campus of ETSU, representing the diverse interests of our student population. Students are encouraged to be involved in campus life and our office can help you make the connection.

Student Life and Leadership serves as the resource center for all registered student organizations. We provide services and information, such as registration of organizations, assistance with event planning, maintenance of student activity calendar of events, and leadership training for student organizations.

Nearly 150 student organizations provide involvement opportunities for everyone. Student organizations at ETSU are categorized into one of the following areas which best describes their general purpose: Academic, Community Service, Governance, Greek, Honors, Religious, Residence Life, University Programs, and Special Interest. Contact Student Life and Leadership, phone 439-5675 for more information.

TRIO Program — Student Support Services, a federally funded TRIO program provides tutoring, mentoring, and academic/career/ personal counseling. Services are available to students who meet the project’s eligibility criteria. NEXUS is the project’s special program designed to assist first-year traditional-age freshmen adjust to ETSU through small group sessions, workshops, advising, and mentoring. Call 439-6187 or 439-5396 for information.

TRIO Outreach Programs (Educational Talent Search, Upward Bound, and Veterans Upward Bound) are federally funded programs which provide and enhance educational opportunities to low-income, potential first-generation college students. Educational Talent Search is designed to identify 600 qualified middle school and high school students with potential for education at the postsecondary level and provide information and encouragement to enroll in postsecondary educational programs. Upward Bound is designed to generate skills and motivation for 145 high school students to enroll in and graduate from postsecondary programs. Veterans Upward Bound is designed to generate skills and motivation for 120 eligible veterans to enroll in and graduate from postsecondary programs.

These TRIO Programs are located on the upper level of the D.P. Culp Center, phone 439-5619.

Tutoring Services — Reading Laboratory - Students may arrange to test their reading ability by appointment. Located in Warf-Pickel Hall (Education Building), room 304, phone 439-4298. The ETSU Writing and Communication Center offers free tutoring to all ETSU students. Tutors will assist with any type of writing or oral communication projects, and will work with students at any stage of the writing or speaking process.
The Center is open Monday-Wednesday, 10 a.m.-3 p.m. Tutors are available on a walk-in basis or by appointment. The Writing and Communication Center is located in room 409 Warf-Pickel Hall, phone 439-8202.

Inside Track is a university-funded tutoring program, which provides a variety of tutoring services. Individual tutoring on a one-to-one basis is available in selected general education courses. Supplemental Instruction, an academic support program where tutors attend selected courses and then conduct study sessions each week, is also offered. Also, online tutoring is available in selected courses using the Blackboard program. All tutoring services are free. For more information call 439-5396.

University Advisement Center — The University Advisement Center provides high quality academic, career and personal counseling to those students who have not declared a specific major as well as to those students with officially declared majors, who seek to transfer to other departments or colleges. The Advisement Center's focus on all aspects of student life makes it possible to assist students in the accomplishments of academic success, enhancement of personal development goals, and effective management of the stresses related to academic life. The University Advisement Center seeks to complement ETSU’s stated goal of providing an atmosphere of support and acceptance of its diverse student body so that students may emerge as thoughtful and productive citizens.

The developmental advisement process is fully implemented in the University Advisement Center with timely, personal follow-up contacts made in a systematic manner throughout the semester. Through personalized advisement and guidance, the staff assists students in identifying their personal and academic strengths and interests, in order to explore courses related to degree programs and career interests. The University Advisement Center is located in the ARC Center on the second level of the Culp University Center, phone 439-5344.

University Center, D.P. Culp — The D.P. Culp University Center is one of the most modern student centers in the nation. The specific purpose of the Culp Center is to serve students as an integral part of their educational and recreational life. The Culp University Center provides a wide variety of services, entertainment, and social and recreational activities for the campus community.

In addition to recreational facilities, the Culp University Center houses five separate food service areas, the bookstore, the post office, a mini-market, a computer lab, a variety of administrative offices, meeting rooms and conference facilities, a ballroom, and an auditorium/theater. For information regarding the use and reservation of these facilities, contact the Culp University Center office at 439-4286.

Among the administrative offices housed within the building are the Counseling Center, Career Placement and Internship Services, Vice President for Student Affairs, Student Support Services, Upward Bound, Food Services, Student Life and Leadership, Center for Adult Programs and Services, Campus ID System Offices, Advisement and Career Resources Center, and the University Center.

The Games Room on the second floor has billiard tables, table tennis, table soccer, and a variety of electronic games. The Craft Shop on the lower level offers both the equipment and instruction to allow students to create many types of craft projects. Walk-in activities are encouraged in addition to scheduled short courses.

University Press — The University Press is located on the lower level of Sam Wilson Hall. The Press produces university catalogs, books, booklets, brochures, fliers, posters, and newsletters. It also provides comprehensive graphic services for faculty, administration, and students. In addition, the University Press Convenence Center is available in the D.P. Culp University Center, outside the bookstore. The center is set up to provide copies, faxes, spiral binding, and transparency for students, faculty, and staff. The booth is open Monday through Friday from 8 a.m. until 4:30 p.m.

University Productions — Comprised of students, University Productions plans major campus events such as concerts, movies, lectures, comedy shows, and Homecoming. Students can be involved with University Production as a member or programmer, or by attending a show as an audience member. It is a great opportunity to learn the technical, business, and marketing side of the entertainment industry. Located in the Center for Student Life and Leadership, D.P. Culp University Center, lower level, phone 439-6828 or e-mail univprod@etsu.edu.

Veterans Affairs — Coordinates the administration and delivery of educational benefit programs of the United States Department of Veterans Affairs (USDVA) to all veterans and certain dependents of disabled veterans. Currently, the entitlement programs include:

- Montgomery GI Bill-Active Duty Educational Assistance Program (Chapter 30, Title 38 United States Code)
- Montgomery GI Bill-Selected Reserve Educational Assistance Program (Chapter 1606, Title 10 United States Code)
- Dependents’ Educational Assistance Program (Chapter 35, Title 38 United States Code)
- Post-Vietnam Era Veterans’ Educational Assistance Program (Chapter 32, Title 38 United States Code)
- Other miscellaneous veterans’ educational benefits programs including, but not limited to, the Educational Assistance Pilot Program (Section 903, Public Law 96-342)
- Veterans’ Work-Study Allowance Program
- Veterans’ Tutorial Assistance Program

Veterans Affairs can provide information, forms and assist in the application for any of the above educational benefit programs. Students who desire benefits must contact Veterans Affairs each semester to request their enrollments be certified to the USDVA Atlanta Regional Processing Office (RPO). Students must keep Veterans Affairs informed of all changes to reported enrollments.

Information on nearly all veteran educational assistance benefit programs is available from the USDVA Veterans Benefits Administration Education Service on the Internet at www.GIBILL.va.gov. Inquiries about students’ educational assistance benefits payments and other general information may be made directly to the USDVA Atlanta RPO toll-free at 1.888.GL.BILL.1 (1.888.442.4551) or electronically at <atlrpo@vba.va.gov>. The Atlanta RPO’s mailing address is: Regional Processing Office, United States Department of Veterans Affairs, Post Office Box 100022, Decatur, Georgia 30031-7022.

New and transfer student veterans are required to provide a photocopy of “Member Copy 4” of Department of Defense (DD) Form 214, Certificate of Release or Discharge from Active Duty, a copy of DD Form 2366, Montgomery GI Bill Act of 1984 (GI Bill election form), if available, or other veterans educational assistance benefit entitlement/eligibility documents, including, but not limited to, college fund or “kicker” contracts if any. Reservists and members of the National Guard need to provide DD Form 2284, Selected Reserve Educational Assistance Program Notice of Basic Eligibility. Dependents of totally and permanently service-connected disabled (or deceased) veterans applying for educational assistance benefits should provide a copy of the disabled veteran’s Rating Decision or a copy of their USDVA Certificate of Eligibility, if received from a previously submitted application.

Veterans in an undergraduate standing are required to provide any available official uniformed services’ evaluations of education, training and experience that have been prepared in accordance with the American Council on Education’s Guide to the Evaluation of Educational Experiences in the Armed Services and/or National Guide to Educational Credit for Training (“ACE Guides”). For example, veterans with Army education and training are required to submit an “Army - American Council on Education Registry Transcript” (AARTS). Veterans with Navy and/or Marine Corps education and training and separated after October 1, 1990, are required to submit a “Sailors-Marines Corps-American Council on Education Registry Transcript” (SARTS).
Military Education and Training

Former members of the Coast Guard are required to submit a Coast Guard Transcript. Veterans Affairs can provide the forms or specific information for obtaining the above documents. Veterans with nonresident (correspondence) uniformed services education and training should obtain separate official transcripts, if available, for academic credit award consideration. Academic credit is awarded for formal education and training only.

Academic credit voided under “Academic Fresh Start” is not approved for veterans educational benefits. State law provides for deferments of payment of tuition and fees for students receiving any educational benefits of the USDVA. Active service members, reservists, or National Guard members desiring to use tuition assistance should coordinate their application for such benefits with Veterans Affairs.

Veterans Work-Study Allowance Program opportunities are available locally to eligible students. Students must have remaining educational benefits and be enrolled at least three-quarter time during the semester to participate. Interested students should contact or submit an Application for Work-Study Allowance, VA Form 22-8691, to Human Resources (05), [Building 20], James H. Quillen Veterans Affairs Medical Center, Post Office Box 4000, Mountain Home, Tennessee 37684-4000 or by telephone at 423.926.1171 extension 7181.

Veterans Affairs also assists in the coordination and supervision of educational programs approved under the USDVA Vocational Rehabilitation & Employment Program (Chapter 31, Title 38 United States Code). Questions pertaining to program eligibility or out-of-area transfers to the university may be directed to J. Douglas Murdock, Case Manager, <vredmurd@vha.va.gov>, USDVA Vocational Rehabilitation & Employment, 412 North Cedar Bluff Road, Suite 416, Knoxville, Tennessee 37923-3619. The telephone number is 865.545.4732 and for telefacsimile communications, 865.545.4736.

Veterans Affairs is located within the Office of the Registrar in Room 101A & B Burgin E. Dossett Hall. Office hours are from 8 a.m. to 4:30 p.m. weekdays. The office telephone is 423.439.6819 and electronic mail address is <va@etsu.edu>. The office maintains a web site at www.etsu.edu/va/.

Veterans Upward Bound Program — The Veterans Upward Bound Project at East Tennessee State University is designed to help low-income, first-generation veterans generate ability and motivation necessary for success in education beyond entry into postsecondary school. Academic classes are offered that encourage students without a high school diploma during those specified visitation hours.

Guests of the opposite sex may be entertained in individual rooms only during those specified visitation hours.

Volunteer ETSU — Volunteer ETSU is a student-organized community service resource center that promotes, organizes, and supports a variety of public service opportunities for the campus community. It continues a long tradition of service to the community by students, faculty, staff, and alumni of East Tennessee State University.

Named the 417th Point of Light by the Office of the President of the United States, Volunteer ETSU promotes volunteerism and coordinates the major service projects and activities for students, encouraging thoughtful experiences in service, and challenging participants to actively address the problems we face as a society.

For more information or to become involved in Volunteer ETSU or any of its numerous projects, call 439-4254 or e-mail at vetsu@etsu.edu. Volunteer ETSU is located inside the Center for Student Life and Leadership, lower level of the D.P. Culp University Center.

Housing and Residence Life

Student housing is an integral part of ETSU campus life. On-campus living is attractive, affordable, safe, and convenient and offers many educational opportunities for students. Resident students have increased access to the library; computer labs; extracurricular activities; intercollegiate athletics; health facilities; intramural and recreation programs; other students; lectures; concerts; and other campus facilities; services; and programs.

On-campus living offers many ways for residents to experience individual growth and development. Residents have the opportunity to participate in academic and leadership experiences such as: The First Year Program; Leadership House; Residence Hall Association; International Living-Learning Community; National Residence Hall Honorary; Residence Hall Judicial Board; Alliance for Safety and Protection; and many residence staff positions. Residents are involved at every level of the housing process.

Residence halls are centrally located and provide an environment for living and learning. University housing includes residence halls/apartments for single students and apartments for family housing. All residence halls have rooms furnished with twin-size beds; desk; chairs; closets; mini-blinds; and telephone and cable TV hookup. Each hall has carpeted hallways for noise reduction; laundry; kitchen and vending facilities; and adjacent parking. Microfridges (combination microwave and refrigerator) are available to rent or students may secure their own. All rooms/apartments are wired for data access. Smoking is prohibited in all campus buildings, including the residence halls and apartments. Private rooms/apartments are available on a first-come, first-served basis.

Trained residence hall staff is available in each hall to assist with the total operation of the hall; enforce rules and regulations; provide programs and activities; advise, counsel and refer students; assist in emergencies; and other assigned duties. The university has adopted visitation plans which are voted on by each hall at the beginning of each school year. Guests of the opposite sex may be entertained in individual rooms only during those specified visitation hours.

Family/Graduate Housing - Buccaneer Village — A limited number of apartments are available for married or single parents or single graduate students. These include one- and two-bedroom apartments for married or single parents, and a limited number of private efficiency apartments for graduate students. Applications for these apartments require a $100 deposit. Rent, which includes water, telephone (except for long-distance calls), data access, and cable TV hookup, are payable on a per semester basis. Electric bills are payable by the month.

Trained residence hall staff is available in each hall to assist with the total operation of the hall; enforce rules and regulations; provide programs and activities; advise, counsel and refer students; assist in emergencies; and other assigned duties. The university has adopted visitation plans which are voted on by each hall at the beginning of each school year. Guests of the opposite sex may be entertained in individual rooms only during those specified visitation hours.

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Counseling, assessment and seminars are designed to enhance a participant’s knowledge in financial aid, time management, and academic strengths and weaknesses. Time spent in career exploration, field trips, cultural enrichment and social interaction increases ability to focus on what is important when entering a postsecondary school. Free academic classes and services are offered at four sites: Johnson City campus, ETSU/UT at Kingsport, ETSU at Bristol, and Tennessee Employment Office in Mountain City, Tenn.

The Veterans Upward Bound Project is one of three federal grants known as Trio Programs. The Trio Programs office is located on the third floor of the D.P. Culp Center. For more information, call (423) 439-5310.
Buccaneer Ridge Apartments — Sophomores and above enjoy two- and four-single-occupancy-bedroom apartment units. Each apartment contains a furnished living area, single bedrooms with double bed, closet, desk, and chest of drawers; kitchen facilities, including full-sized refrigerator, stove, microwave, and garbage disposal; washer and dryer; patio or balcony; and two bathrooms. Each bedroom is provided with an alarm system; telephone, cable TV, and data jack; and individual locks.

Residents enjoy a clubhouse with copier and fax availability; lounging pool; volleyball and basketball courts; exercise room; access gate; and individual leases with no connection fees.

Application Procedure — An application will be mailed to all students approved for admission to the university or an application may be obtained by contacting the Office of Housing and Residence Life. Early application, preferably before June 1, for fall semester and November 1 for spring semester is encouraged. Assignments for fall semester begin in April and mid-December for spring.

A completed application and a $75/100 reservation/damage is required and accepted at any time. Room/hall assignments are made according to the date of the application and deposit and availability. On-campus students are able to retain their current room or sign for another hall and/or room each semester.

For housing costs, please see “Expenses” in the section entitled “Enrolling at ETSU.”

The Office of Housing and Residence Life is located in room 108, Burgin E. Dossett Hall. The mailing address is:

P.O. Box 70723
East Tennessee State University
Johnson City, TN 37614-1710
Telephone (423) 439-4446
Fax: (423) 439-4690
email: housing@etsu.edu
Serving in leadership positions on campus and in the community is a necessary part of the educational experience at ETSU. Leadership education is offered to students through credit courses, workshops (Breakfast Club, Leadership Forum), living-learning community in Buc-Ridge Apartments (Leadership House) as well as involvement in 175+ student organizations on campus. Contact the Center for Student Life and Leadership, phone 439-5675 for more information.

**Sororities-Fraternities**

Greek Life — Greek Life at ETSU offers exciting opportunities for you to enhance your college experience and develop friendships that will last a lifetime. Greek Life provides occasions for social interaction and intramural participation, encourages scholarship and service, and strengthens individual identity and leadership skills. Greeks impact the campus by maintaining high ideals and continuing a long-standing tradition of excellence and honor.

Contact Student Life and Leadership, phone 439-5675 for more information.

**Academic Clubs**

Actuarial Student Association  
Advertising Club  
Alpha Sigma Iota  
American Congress on Surveying and Mapping  
American Marketing Association  
American Society of Interior Design  
Art Student's League  
Association for Computing Machinery  
Association of Student Nurses  
Association of United States Army  
Biomedical Sciences Graduate Students Association  
Buccaneer Outdoor Recreation Club  
Club Cervantes (Spanish Club)  
Construction Management Association  
Criminal Justice Society  
Delta Sigma Pi  
Der Deutsche Club (German Club)  
Engineering Design Graphics Extremists (E.D.G.E.)  
Entrepreneur's Club  
Graduate Criminal Justice Society  
Graduate Students Association of Psychology  
History Society  
Human Development and Learning  
Japanese Cultural Society  
La Societe Francaise (French Club)  
Master of Public Health Student Association  
Mathematical Association of America  
Mockingbird  
Percussion Society  
Phi Mu Alpha Sinfonia — Music  
Philosophy Club  
Physical Education Majors Club  
Pre-Law Society  
Psychology Club  
Public Relations Student Society of America  
Public/City Management Association of Graduate Students  
Respiratory Therapy Association  
Society for Human Resources Management  
Society for Manufacturing Engineers  
Student Affiliates of the American Chemical Society  
Student American Dental Hygienists Association  
Student Association for Young Children  
Student Ceramic Association  
Student Dietetic Association  
Student Painting, Drawing and Alumni  
Student Photography Association  
Student Radiographers  
Student Sculpture Society  
Student Social Workers Association (SSWA)  
Student Tennessee Education Association  
Students of Finance Association  
TaleTellers

**Honors Societies**

Alpha Lambda Delta  
Alpha Phi Sigma  
Alpha Psi Omega  
Alpha Sigma Lambda  
Beta Alpha Psi — Business  
Beta Beta Beta — Biological Sciences  
Delta Omicron  
Epsilon Pi Tau — Technology  
Eta Sigma Gamma — Public Education  
Gamma Beta Phi  
Kappa Delta Pi - Education  
Kappa Mu Epsilon  
Kappa Omicron Nu - Economics  
National Residence Hall Honorary  
Omicron Delta Kappa — Campus Leadership  
Order of Omega  
Phi Alpha Theta - History  
Pi Delta Phi Honor Society - French  
Pi Gamma Mu  
Pi Sigma Alpha  
Psi Chi — Psychology  
Rho Lambda  
Sigma Theta Tau International Honor

**Campus Ministry Opportunities**

11:58 Ministries  
Baptist Collegiate Ministry  
Campus Crusade for Christ  
Catholic Campus Ministries  
Christian Medical Dental Society  
Christian Student Fellowship  
Fellowship of Christian Athletes  
Impact Christian Movement  
Reformed University Fellowship (RUF)  
Spurgeon Foundation Campus Ministries  
Young Life - QUEST

**Social Fraternities and Sororities**

**Fraternities**

Alpha Kappa Lambda  
Alpha Phi Alpha  
Lambda Chi Alpha  
Phi Beta Sigma Fraternity, Inc.  
Pi Kappa Alpha  
Sigma Chi  
Sigma Nu  
Tau Kappa Epsilon
Special Interest Groups

- Chinese Student and Scholars Association
- College Democrats
- Cycling Club
- East Tennessee Martial Arts Club
- Exhibitionist (promotes Slocumb Art Gallery)
- Feminist Majority Leadership Alliance
- Gamma/Bacchus
- Gospel Ensemble
- Mentoring Women in Computer Science
- Patchwork Players
- Silent Bucs
- Student Contribution Unmatched Buc Spirit (SCUBS)
- Student Advocacy Committee - Kingsport
- University Amateur Radio Club
- Venturing Outdoors

University Sponsored

- Admissions Ambassadors
- Black Affairs Association
- East Tennessean
- International Student Organization
- Kingsport Student Service Board
- OASIS - (Once Again Students in School)
- Orientation Leaders Association
- President's Pride
- University Productions

Governance

- Graduate and Professional Student Association
- Honors Program Student Council
- Inter-Fraternity Council
- National Pan-Hellenic Council
- Panhellenic Council
- Residence Hall Association
- Student Government Association

Campus Recreation

The Department of Campus Recreation, a unit in the Division of Student Affairs, provides a wide range of physical activities and recreational sports for the entire ETSU community. Five types of programs are offered: fitness, intramural sports, non-credit instruction, outdoor adventure, and sports clubs.

All programs operate out of the Center for Physical Activity, a “state-of-the-art” indoor and outdoor complex designed for the exclusive recreational use of the ETSU student body and current employees. The “CPA” was built and operated with student fee dollars. Indoor spaces include: basketball/soccer/volleyball courts, and weightrooms (huge weightroom). There is also a casual care service, equipment room, locker room, and personal training suite. Directly adjacent to the CPA is the Basler Challenge Course with its towers, walls, and low elements. Also located beside the building are two lighted ballfields that can accommodate a range of team sports. The projects intent will improve the connection students have to ETSU and give them a more complete collegiate experience.

Fitness programs are the most popular types of recreational activity on any college campus. The CPA boasts a 15,000-square-foot weight room with cardiovascular stations, free weights, and weight machines. Aerobic/group exercise classes are scheduled daily in the CPA's aerobics/martial arts studio. There is also a personal training service with fitness testing, exercise prescription, and supervised workouts. Lap swimming will be scheduled three times daily during the week. Aqua aerobics classes are scheduled as well.

Varieties of team and individual intramural sports are scheduled each semester. Traditional fall team sports are flag football and volleyball. Spring team sports are basketball and softball. The four major leagues play four game regular seasons plus playoffs and contest Men's A, Men's B, Women's, and Co-Rec divisions. Each year's individual sports include two road races and a golf tournament in the fall, and a bench press contest, racquetball and tennis in the spring. Campus Recreation is also very involved in Homecoming in the fall.

Non-credit instruction classes provide ETSU students with the opportunity to learn new physical activities and recreational sports from qualified instructors. The unit has offered karate, kayaking, rock climbing and swim lessons, and intends to expand into racquet sports, SCUBA, and self-defense in the near future.

The Basler Challenge Course is the centerpiece of the University's outdoor-adventure program. The course includes an Alpine Tower, Carolina Straight Wall, and 12 low elements. Campus Recreation stages leadership and team building seminars for academic departments and student groups. For more information or to schedule a seminar, call 439-4266. There are also times for individual students to challenge the tower and climb. All gear is provided. Backpacks, sleeping bags, and tents can be rented from room 230 Brooks Gym. The department stages skydiving, paintball, skiing, and white water rafting most years.

Student leadership and volunteerism in an athletic environment are the focus of sports clubs programs. Individual clubs promote competition, instruction, and social interaction. To learn about currently functioning clubs, or to establish a new one, contact the Campus Recreation office.

Campus Recreation is one of ETSU’s largest employees of student labor. The unit participates in all of the University's work programs - APS, FWSP, RSWP, and temporary support. Graduate assistant positions are also available.

Preference is given to students majoring in exercise science or sports management, but any ETSU student would find Campus Recreation to be a challenging, rewarding, user-friendly environment. Studies have indicated that students who are employed on campus persist to graduation better than those who work off-campus or do not work at all. Please inquire early in the semester about possible employment opportunities.

There are two options for spouse and dependent use of the CPA. Spouse and dependent memberships may be purchased at the equipment room. Such memberships are available only to the immediate family members of currently enrolled students and currently employed faculty and staff members. Pricing was established based on the $70 student fee increase and other university fee structures and the market value of commercial fitness and recreation centers in the Tri-Cities. Dependents 17 and under must be accompanied by a parent at all times in the CPA. Memberships for dependents 18-21 may also be purchased and those adult users will be issued a picture ID. Access will not be made available to dependents 22 and over. A Saturday morning family program will be held weekly from 10 a.m. - noon free of charge. Families will be able to use the pool, climbing wall, and gyms. There will also be instructional programs and special events scheduled on a regular basis. Children must be accompanied by their parents at all times and proper ETSU ID will be required for admission.
Participation in any type of positive activity is an important part of the collegiate experience. However, there are risks involved in any and all sports. Persons injured while participating in recreational activities are responsible for their own medical expenses. ETSU does not carry any type of blanket insurance coverage. The Department of Campus Recreation takes a wide range of precautions to protect its participants, but everyone is encouraged to purchase some type of comprehensive insurance protection.

It is the goal of the Department of Campus Recreation to provide a comprehensive service schedule of events, programs, and services for the entire ETSU community. The program is all-inclusive and previous athletic experience or skill is not a prerequisite for participation. For more information, call 439-7980 or come by the department office, on the 2nd floor, in the new Center for Physical Activity.

Intercollegiate Athletics

The university is a member of the Southern Conference and the National Collegiate Athletic Association (NCAA). Eligibility of students to participate is determined by rules established by these organizations and by the university. Teams in football, men's and women's basketball, baseball, men's and women's golf, men's and women's cross country, indoor and outdoor track, men's and women's tennis, women's volleyball, women's soccer, and softball all represent the university in intercollegiate competition. The department also sponsors a Cheerleading team. The Department of Intercollegiate Athletics is located in room 325W of Memorial Center, phone 439-4343 or see www.etsubucs.com.
## Academic Regulations

### Classification of Courses by Level

All courses in the 1000 series are freshman courses, all in the 2000 series are sophomore courses, all in the 3000 series are junior courses, and all in the 4000 series are senior courses. All 4xx7 courses are for undergraduate credit but may include students who are taking the class for graduate credit under a 5xx7 number. Graduate students in 5xx7 courses may expect that the course will include undergraduate students taking the course under a 4xx7 number. Graduate students shall be required to do specified work over and above that required of undergraduate students in these courses. All courses in the 5000, 6000, and 7000 series are graduate courses.

Undergraduate students may not enroll in courses numbered higher than one year above their current classification. For example, a sophomore may enroll for junior courses, but may not enroll for senior courses. This policy does not apply in the College of Business where 3000 and 4000 level courses are open only to juniors and seniors who have completed the appropriate course prerequisites. Enrollment in the 5000, 6000, and 7000 series is limited to graduate students. At least 70 percent of all courses taken in a master's program must be in the 5000 series; at least one-half of all courses taken on the doctoral level must be in the 6000 and 7000 series.

Courses numbered below 1000 are offered through the Division of Developmental Studies and are not credited toward the degree.

### Major, Area Concentration, Minor

A “major” is the curriculum of study a student wishes to follow in pursuit of a degree. The minimum number of credits for a major is 24 but the total varies according to the area. A “concentration” is a specialized area of study within a major. Most majors require a “minor.” A minor is a secondary area of study which requires a minimum of 18 credits. Students must consult the appropriate academic section of this catalog to determine the major and minor requirements for each specific area of study. Close consultation with an advisor in the subject of the chosen major is considered necessary and prudent in order to select the appropriate courses leading to completion of a degree.

### Declaring a Major

Undergraduate students must declare a major no later than the first term after completion of 60 semester credit hours. Transfer students who transfer in excess of 60 semester credit hours must declare a major by the term after completion of 60 semester credit hours. Transfer students who have completed a year of college must declare a major by the end of their first semester at East Tennessee State University.

This policy also applies to students in preprofessional programs. Students seeking a second bachelor's degree must declare a major at the time of application.

### Grades

Grade Points — Grade points are numerical values assigned to letter grades in order to provide a basis for quantitative determination of grade (quality) point averages. The four-point system is used. A plus/minus grading system went into effect with grades processed in Fall 1992. Grades are provided to all registered students via GoldLink-OnLine or GoldLink-Touchtone, the university's web system and interactive voice response system. Using a computer with Internet access or touchtone phone, students access their grades once they have been posted and may secure a printed copy by clicking on Request Grade Mailer on the grade viewing screen in GoldLink-OnLine or by exercising the grade print option at the end of hearing grades on GoldLink-Touchtone. The option to request a grade mailer is limited to approximately two weeks after the end of the term. Academic departments are required to retain grade documentation.
for a period of one year. Specific student concerns regarding academic records, other than the Grade Appeal process described above, will only be addressed within one academic year from the date of posting of grades for the term in question.

**Undergraduate Pass/Fail Policy**

The purpose of this policy is to allow qualified undergraduate students to explore, in a limited manner, their interests and ability in courses of study that are unfamiliar to them and to receive a pass or fail grade instead of a regular letter grade. This purpose must not impair the need to maintain qualitative and rigorous academic standards of the university. Accordingly, the policy will be regularly evaluated for continuation by the Office of the Provost and Vice President for Academic Affairs.

The policy regulates the qualifications of undergraduate students applying for the P/F grade option, the limitations on the types of courses taken for P/F grades, limitations of P/F credit hours earned, the registration process, and the grading basis limitations. In addition it places academic advising in a critical role in approving requests for the P/F grading option.

The policy applies only to the limited P/F grading option available to individual students and is distinct from any use of non-letter grades for an entire course at the university. The regulations cited here shall not apply to grading in such courses.

1. **Student Qualification.**

   For the undergraduate student pursuing a degree, a 2.5 overall GPA is required. All ETSU credits plus any credits earned elsewhere and accepted by ETSU for transfer to a university program are counted. For the undergraduate student not pursuing a degree there is no GPA requirement; however, in the event of a subsequent program change to pursue a degree, the GPA requirement becomes effective.

2. **Courses Excluded and Included.**

   For the undergraduate student pursuing a degree, all General Education Core courses are excluded; that is, Writing, English 1010 and 1020; Using Mathematics, three to four credits; Using Information Technology, CSCI 1100; Science, eight credits; Heritage, nine credits; Arts and the Artistic Vision, three credits; Identity, Ethics and Social Response, three credits; Institutions and Society, six credits. Humanities Elective, three credits; Physical Education, two credits. Also excluded are courses in a student's major or minor. In the event that a subsequent program change places a completed P/F course in a student's major or minor, the student may petition the dean of the college or school in which the newly declared major or minor is offered to have the original letter grade that was earned substituted for the previously recorded P/F grade.

   For the undergraduate student not pursuing a degree, any course may be included to a maximum of 12 semester credit hours; however, all courses taken at ETSU and graded P/F which are then brought into a degree program at ETSU are subject to the regulations governing students pursuing a degree.

3. **Registration Process and Limitations.**

   For undergraduate students either pursuing a degree or not pursuing a degree, the P/F grading request must be made at the time of registration. Registration is for no more than one P/F course in a semester, and the registration for the P/F grade in a course must be approved by a student's assigned department or college advisor who must sign the drop/add form to certify review of qualifications and other applicable limitations.

4. **Grading Basis.**

   For both the undergraduate student pursuing a degree and the undergraduate student not pursuing a degree, the P/F grade option cannot be requested or approved for a class that is added after the first week of classes. In addition, a regular letter grade basis cannot be changed to P/F, nor can P/F grading basis be changed to regular letter grade basis after the first five days of classes of the semester.

   The instructor will not know the identity of students enrolled on a P/F basis, and will record letter grades for all students which will be converted to P/F by the Office of the Registrar. P/F courses may be repeated for a regular letter grade at the student's own option.

5. **Credit Hour Regulations.**

   For the undergraduate student pursuing a degree, no more than 12 credit hours earned on a P/F basis at ETSU may count toward graduation. Courses with P/F grades cannot be applied toward a major or minor.

   P/F graded courses will be counted as degree credit hours earned, and a failing grade (F) will be computed in a student's GPA. A pass grade (P) will not be computed in the GPA.

   In the event that a subsequent program change places a completed P/F course in a student's major or minor, the student may petition the dean of the college or school in which the newly declared major or minor is offered to have the original letter grade that was earned substituted for the previously recorded P/F grade.

   P/F grades awarded for departmental challenge exams or other advanced standing examinations are not counted as credit hours earned.

   For the undergraduate student not pursuing a degree, any credit hours earned with P/F grades that are brought into a degree program at ETSU are subject to all regulations governing students pursuing a degree.

**Plagiarism Policy**

Plagiarism is defined as follows by Black, Henry Campbell, Black's Law Dictionary, West Publishing Company, St. Paul, Minnesota, 1968 (p. 1308): “The act of appropriating the literary composition of another, or parts of passages of his writing, or the ideas or language of the same, and passing them off as the product of one's own mind.”

To be liable for “plagiarism” it is not necessary to exactly duplicate another's literary work, it being sufficient if unfair use of such work is made by lifting of substantial portion thereof, but even an exact counterpart of another's work does not constitute “plagiarism” if such counterpart was arrived at independently. O'Rourke v RKO Radio Pictures, D.C. Mass., 44 F. Supp. 480, 482, 483.

In other words, plagiarism involves using someone else's ideas or words, without giving proper credit to the original author. Even if you do not copy the words exactly, or even if you copy only a small part of someone else's work, you must cite the name of the original author and follow with a reference to that person's work (such as title, year and name of publisher) using an acceptable standardized referencing format in a publication manual of a nationally recognized association (such as the American Psychological Association or the Modern Language Association). Exact quotations should either be enclosed within quotation marks or by appropriate indentation, depending upon the requirement of the style manual in use. The page number or numbers should be cited clearly for each quoted passage.

**Credit by Correspondence or Extension**

Credit earned by correspondence or extension from an institution that is regionally accredited may be accepted toward the completion of a four-year senior college curriculum, provided that the total hours earned by correspondence and extension or a combination of the two, may not exceed one-fourth of the hours required for a degree.
Student Classification

<table>
<thead>
<tr>
<th>Class Level</th>
<th>Code</th>
<th>Hours Range</th>
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</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>FR</td>
<td>(0 - 29.9)</td>
</tr>
<tr>
<td>Sophomore</td>
<td>SO</td>
<td>(30.0 - 59.9)</td>
</tr>
<tr>
<td>Junior</td>
<td>JR</td>
<td>(60.0 - 89.9)</td>
</tr>
<tr>
<td>Senior</td>
<td>SR</td>
<td>(90.0 and up)</td>
</tr>
</tbody>
</table>

Graduate Non-Degree: (SPG)
A student who holds a bachelor's or higher degree, who is not working toward a degree, and who is not a postdoctoral student, and who is enrolled in graduate courses.

Master's Candidate (Graduate Student): (MS)
A student who has been formally admitted to graduate school for the purpose of pursuing a master's degree.

Undergraduate Special Student: (SPU)
A student who is not working toward a certificate or degree and who is enrolled in undergraduate courses.

Doctoral Candidate, Early Stage: (DE)
A student formally admitted to graduate study whose major academic endeavor consists of formal coursework directed toward fulfilling requirements for a doctorate.

Candidate for Specialist in Education: (SED)
A student who has been formally admitted to graduate school for the purpose of pursuing a specialist degree.

Doctoral Candidate, Late Stage: (DL)
A student who has been advanced to candidacy for a doctoral degree, or one whose principal academic endeavor consists of independent study, research, or work toward completion of a dissertation.

Postdoctoral Student: (PD)
A student who holds a doctoral degree and who is pursuing a program of study or training for which a doctoral degree is requisite.

Visiting Undergraduate: (SPU)
An undergraduate student taking work to transfer to another school.

Visiting Graduate: (SPG)
A graduate student taking work to transfer to another school.

Class Load

Fall and Spring Semesters

- **Standard Load**
  In order for a student to anticipate graduating in the traditional four-year time frame, a course load of 16-17 hours is recommended. The minimum course load for full-time enrollment is 12 semester hours. The maximum course load is 19 semester hours, unless permission for an overload is approved.

- **Overload**
  The academic advisor and the dean of the student's college/school must approve registration for an overload. Following completion of 45 semester hours, students with a cumulative 3.0 GPA may be approved for a load of up to 21 semester hours. Graduating seniors who do not have grade point deficiencies may be approved to enroll for up to 21 semester hours in order to complete graduation requirements during that semester. Audit enrollment will be used in determining all class loads.

- **Probationary Load**
  Any student on academic probation at the time of registration may enroll for not more than 13 hours, including audits, except by approval of the student's advisor and college/school dean.

Summer Term

The maximum course load for the summer term is 17 hours, subject to the maximum for each session as follows:

- **Pre-Summer**, three semester hours
- **First five-week session**, seven semester hours
- **Second five-week session**, seven semester hours

Overloads in summer term, up to a maximum of 21 semester hours, must be approved by the academic advisor and the college/school dean.

Exceptions

Exceptions to the class load policy, as stated above, require approval of the academic advisor, college/school dean, and the vice president of Academic Affairs (or designee).

Class Attendance Policy

1. **General Statement of Policy**

Class attendance is a contract between faculty and students. It is expected that students will attend class regularly and provide the faculty with a reason for any absence. Failure to attend class regularly can affect students' grades and financial aid. East Tennessee State University does not specify a fixed number of class absences as university-wide policy, but each department within the university has the right to set a maximum number of absences (including absences due to university activities and illnesses) permitted during an academic term. Departmental class absence policy is subject to approval by the dean of the school/college. At the beginning of the course each faculty member must provide a written statement governing attendance policy (including laboratory/clinical sessions where applicable) for the course so that all students may be fully informed of their attendance responsibilities, including penalties which may be imposed for failing to meet these responsibilities. If a student is not in attendance during the class meeting in which the class attendance policy is discussed, it is the student's responsibility to ascertain the policy in that class.

2. **Absences Occasioned by University-Sponsored Activities**

2.1 For the purpose of this policy university-sponsored activities include those activities sponsored either by a university department or by a student organization officially recognized by the university.

2.2 Absences occasioned by university-sponsored activities must be excused by all faculty members as long as the number of absences does not exceed the number prescribed in an established and previously announced departmental policy and the faculty member has been informed in advance of the intended absence. An excused absence means only that students must be allowed a reasonable opportunity to complete all assignments and tests missed because of the excused absence.

It is the responsibility of the student and of the faculty or staff sponsor of the activity to inform the faculty member in charge of the course of the upcoming absence. This information should be provided by transmitting a Class Absence Authorization form to the faculty member. Class Absence Authorization forms can be obtained from the office of the vice president for student affairs. However, it is not necessary to obtain permission for absences from the office of the vice president for student affairs, nor does the office inform the faculty member of the expected absences.

3. **Absences Due to Emergency, Special Circumstances or Illness**

In case of an emergency (e.g. death in the family or illness) absence from class may be excused, and the student allowed a reasonable opportunity to complete all assignments and tests missed. In such cases it is the responsibility of the student to explain the situation to the faculty member as soon as possible. The faculty member may require verification of the emergency situation or illness from the student. Students confined at home or in a hospital for an extended period of time should notify the faculty member from whose class he/she will be absent so that arrangements can be made for
completion of assignments if feasible. The number of such absences may not exceed stated policy for the class and the student must make arrangements to complete missed assignments.

4. Appeal of the Faculty Member’s Decision.
   If the student has evidence that a faculty member has not excused an absence which should have been excused within the guidelines stated above, the student can appeal the decision of the faculty member to the chairperson of the department and/or dean of the college or school in which the course was offered.

Minimum Size of Class
   The size of classes, both graduate and undergraduate, will be in accordance with the prevailing regulations of the Tennessee Board of Regents.

Repeating a Course
   The following regulations apply to repeating courses:

   1. A course in which an undergraduate student has an ‘A’ or ‘B’ grade may not be repeated.
   2. If a course in which the student has a ‘C,’ ‘D,’ or ‘F’ grade is repeated, only the most recent attempt (excluding ‘I,’ ‘W,’ or ‘WF’ grades) will be used in calculating the grade point average. However, all grades earned in the third and subsequent attempts will be used in calculating the summary line (grade point average). Note: All courses attempted count in hours attempted and all attempts will continue to show on the record.

Incomplete Grades
   The incomplete grade indicates that a student was passing the course at the end of the semester, but due to circumstances beyond the student’s control, was unable to complete a course requirement such as a term paper, outside reading assignment, projects, or an examination. It also indicates that the student received consent from the instructor to complete the work for which an ‘I’ grade was given. The ‘I’ grade is not to be used to allow a student to do additional work to raise a deficient grade or to repeat the course.

   Following consultation with the student, the instructor will determine the date by which the incomplete shall be removed, but in no case will that date exceed one calendar year or the time of graduation, whichever is earlier. After this period, the incomplete grade becomes an ‘F’ grade and is recorded on the cumulative record. Incomplete grades are not removed until the new grade is recorded in the Office of the Registrar.

Noncredit (Audit)
   Students are permitted to enroll in regular university courses as auditors. Registration fees are the same for audit as for credit. Regular attendance is required. Audit enrollment will not be considered part of the 12-hour minimum required for a full-time load. Audit enrollment will be counted in determining overloads.

   After the published “Last Day to Add a Course” students may not change their enrollment status in a course from credit to audit or from audit to credit.

   Persons 60 years of age or older who are domiciled in Tennessee may audit courses without payment of registration fees, if space in the classroom is available. Additional information is available from the Office of Admissions or the Office of the Registrar. Other unclassified part-time students may enroll for noncredit seminars by paying the fee designated for each semester.

   Auditors may be administratively dropped for unsatisfactory class attendance by the instructor.

Drop/Add Policy

Adding a Course
   A course(s) may be added during the late registration/late add period without special permission, unless the course has reached the established maximum enrollment. To add any class that has reached the enrollment limit requires permission of the instructor and department chair. After the late registration/late add period, special permission must be obtained from the instructor, the department chair, the dean, and the registrar.

Dropping a Course
   A course(s) may be dropped during the first eight calendar weeks of a regular semester. Developmental studies courses cannot be dropped without written permission of the director. Courses dropped during the first four weeks will not appear on the student’s permanent record. All drops after the end of the fourth week must be processed in person in the Record’s Office. The drop function of GoldLink-OutLine and GoldLink-Touchtone is not available after the fourth week of each term. Students who drop a course after the fourth full week of classes through the eighth calendar week will receive the grade of “W.” (During the summer session, or when courses do not conform with established term dates, this schedule is adjusted appropriately to fit the condensed time frames.)

   After the eighth week, a student may not drop a course except where verifiable, extenuating circumstances can be demonstrated. A petition for a late drop may be presented by the student for consideration to the dean of the college or school in which the student is majoring as of the beginning of the semester. Verifiable extenuating circumstances must be beyond the control of the student, such as illness or accidental injury. Poor performance in a class is not an extenuating circumstance. A student whose major is undecided must apply to the dean of the College of Arts and Sciences.

   If approved by the dean, the student will receive a grade of “W” (Withdrawal) or “WF” (Withdrawn - Failing), as assigned by the instructor of the course. All approved petitions for late drops must be received in the Office of the Registrar no later than 4:30 p.m. two days before the end of classes for all academic terms. Under no circumstances will a student be permitted to drop a course after that time.

Withdrawal Policy
   Students withdrawing from the university — discontinuing matriculation in the university — during the first eight weeks of classes will receive a grade of “W” in all courses. Withdrawals from the university after the eighth week will be recorded with “W” or “WF” at the discretion of the instructor. (During the summer session or other shortened terms, this schedule is adjusted appropriately to fit the condensed time frame.) All requests for withdrawal must be received in the Office of the Registrar no later than the close of business hours two days before the last day of classes of any academic term. Under no circumstances will a student be permitted to withdraw from the university after that time.

   A student who does not withdraw by the official procedure will receive an ‘F’ for each course. (See the Schedule Bulletin for more details.)

Student Proficiency in English
   By the end of the freshman year, every student enrolled at East Tennessee State University is expected to have a command of the English language that is commensurate with the quality of speech and writing of educated adults.

Dean’s List
   In order to qualify for the Dean’s List at ETSU, a student must meet the following criteria for the term:
   1. Undergraduate classification
   2. No grade below ‘C’ in any course
   3. Must pass a minimum of 12 credits (excluding audits, incompletes, repeats, pass/fail, and developmental studies courses)
4. Minimum GPA of 3.700 for the semester in applicable courses (recalculated if courses are excluded)

**Academic Probation and Retention Standards**

**All Undergraduate Programs**

Baccalaureate, Associate, and Certificate students who fail during any semester to attain a cumulative grade point average (GPA) at or above the level indicated below on the following table for the credit hours attempted will be placed on academic probation for the subsequent semester (including summer session) of their enrollment.

At the end of the next semester of enrollment, a student on academic probation who has failed to attain the cumulative GPA standard or a 2.0 GPA for that semester will be suspended. A student who attains a 2.0 GPA for that semester, but fails to meet the cumulative GPA standard, will remain on probation.

**Baccalaureate and Associate Programs**

<table>
<thead>
<tr>
<th>Semester Quality Hours Attempted</th>
<th>Required Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 29</td>
<td>1.4</td>
</tr>
<tr>
<td>29.1 - 45</td>
<td>1.7</td>
</tr>
<tr>
<td>45.1 - 59.9</td>
<td>1.9</td>
</tr>
<tr>
<td>60 +</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**Certificate Programs**

<table>
<thead>
<tr>
<th>Semester Quality Hours Attempted</th>
<th>Required Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 15</td>
<td>1.4</td>
</tr>
<tr>
<td>15.1 - 30</td>
<td>1.7</td>
</tr>
<tr>
<td>30.1 - Above</td>
<td>2.0</td>
</tr>
</tbody>
</table>

At the end of the next semester of enrollment, a student on academic probation who has failed to attain either the cumulative GPA standard or a 2.0 GPA for that semester will be dismissed.

Students seeking a second baccalaureate degree must maintain a 2.0 GPA each semester regardless of the number of semester hours attempted.

**Period of Suspension**

Students on probation who do not meet academic retention standards shall be suspended from the university for one semester. The summer session may not count as a term of suspension. On the second (or subsequent) suspension for failure to meet academic retention standards, the period of suspension is for two semesters or longer and requires that the appeal procedure for reinstatement be followed.

**Appeals for Readmission Following Suspension**

Where extenuating circumstances are established as primary factors relating to low grades, a student may petition to waive the period of suspension. This petition must describe the verifiable, extenuating circumstances which may include: illness as evidenced by medical documentation; personal problems, such as divorce or serious domestic problems; accidental injury; or other circumstances beyond the student’s control.

Upon the receipt of
1. the written petition,
2. a current academic transcript, and
3. any supporting documents,
a preliminary decision will be made as to whether there are satisfactory, extenuating circumstances to warrant a formal appeal hearing. If granted, the student will be notified of the time and place of the appeal hearing before representatives of the Office of Student Affairs and the dean’s office of the student’s major area of study. If the appeal hearing is declined, the student may contact the academic dean in the college in which the student is majoring for a review of the decision.

**Work in Other Institutions**

If credits earned at other regionally accredited institutions during a period of academic suspension from East Tennessee State University are found to be acceptable for transfer and if such credits are sufficient to remove the student from academic probation, the student may be readmitted as a transfer student by the Director of Admissions.

**The Honor Code**

East Tennessee State University is committed to developing the intellect and moral character of its students. To that end, all instances of plagiarism, cheating, and other forms of academic misconduct shall be punished in accord with Tennessee Board of Regents policy. Any knowledge of conduct of this nature should be reported to the proper authorities. Not reporting instances of academic misconduct represents a fundamental break with honor code policy, and although this offense is not punishable, reflects a callous disregard for yourself, your classmates, and your professors.
DEGREE AND GRADUATION REQUIREMENTS

East Tennessee State University confers the following degrees:

**Undergraduate**
- Associate of Applied Science (A.A.S.)
- Bachelor of Applied Science (B.A.S.)
- Bachelor of Arts (B.A.)
- Bachelor of Business Administration (B.B.A.)
- Bachelor of Fine Arts (B.F.A.)
- Bachelor of General Studies (B.G.S.)
- Bachelor of Music (B.M.)
- Bachelor of Science (B.S.)
- Bachelor of Science in Dental Hygiene (B.S.D.H.)
- Bachelor of Science in Education (B.S.Ed.)
- Bachelor of Science in Environmental Health (B.S.E.H.)
- Bachelor of Science in Medical Technology (B.S.M.T.)
- Bachelor of Science in Nursing (B.S.N.)
- Bachelor of Social Work (B.S.W.)

**Graduate**
- Master of Accountancy (M.Acc.)
- Master of Arts (M.A.)
- Master of Arts in Liberal Studies (M.A.L.S.)
- Master of Arts in Teaching (M.A.T.)
- Master of Business Administration (M.B.A.)
- Master of City Management (M.C.M.)
- Master of Education (M.Ed.)
- Master of Fine Arts (M.F.A.)
- Master of Music Education (M.M.Ed.)
- Master of Physical Therapy (M.P.T.)
- Master of Public Administration (M.P.A.)
- Master of Public Health (M.P.H.)
- Master of Science (M.S.)
- Master of Science in Environmental Health (M.S.E.H.)
- Master of Science in Nursing (M.S.N.)
- Master of Social Work (M.S.W.)
- Education Specialist (Ed.S.)
- Doctor of Audiology (Au.D.)
- Doctor of Education (Ed.D.)
- Doctor of Medicine (M.D.)
- Doctor of Philosophy (Ph.D.)
- Doctor of Science in Nursing (D.S.N.)

**Associate Degree Requirements General**

1. A minimum grade average of 'C' (2.0 grade point average) on courses grouped, as follows:
   a. All college work including courses transferred from other institutions.
   b. All courses taken at East Tennessee State University.
   c. All courses in the major taken at East Tennessee State University.*
   d. All courses in the major including transferred credit.

*Grades in all courses taken in the major departments are reflected in the grade point average for the major.

2. Students must complete a minimum of 60 semester hours of credit (exclusive of courses designed as not applicable toward the associate degree) including the minimum general education requirements for associate degree and a major. The major must be approved by the chair of the department concerned.

3. Transfer students must complete enough work in residence at ETSU in the major to satisfy the department chair that the student is qualified in the major field. Transfer students must take a minimum of six semester hours at ETSU in the major field.

4. Students must satisfy a residency requirement of not less than two semesters, including the last full semester. This shall be a minimum of 24 hours. Not less than 12 semester hours may be counted as a semester of residence. Courses taken at East Tennessee State University off-campus centers are classified as residence credit.

5. Students must have demonstrated proficiency in written and spoken English.

6. Students must file an Intention to Graduate form with the Office of the Registrar, Graduation Section, no later than the beginning of the semester preceding the semester of graduation. The deadline for this filing is included in the academic calendar and the schedule of classes. It is the responsibility of the student to ensure that this deadline is met. No diploma or transcript will be issued to students with an outstanding financial obligation.

7. Compliance with any changes which may be made in the curricula may be required for students not completing degree requirements within six years from the date of first registration.

**Minimum General Education Requirements of All Associate Degree (Career Programs)**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing</td>
<td>3</td>
<td>ENGL 1110</td>
</tr>
<tr>
<td>Communicating Orally</td>
<td>3</td>
<td>SPCH 1300 or 2300</td>
</tr>
<tr>
<td>Using Mathematics</td>
<td>3</td>
<td>See Program Listing</td>
</tr>
<tr>
<td>Institutions &amp; Society</td>
<td>3</td>
<td>See Program Listing</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>See Program Listing</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
<td>Select course from General Education Core Requirements from the areas titled Heritage, Arts &amp; the Artistic Vision, or Identity, Ethics &amp; Social Responsibility</td>
</tr>
</tbody>
</table>

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*Students should select courses which meet both program and general education requirements. Students should meet with an advisor before registering for any course to ensure that program requirements are being met. Otherwise, the student's program may be extended until all general education and program requirements are completed.

**Bachelor Degree Requirements General**

1. A minimum grade average of 'C' (2.0 grade point average) on courses grouped, as follows:
   a. All college work including courses transferred from other institutions.
   b. All courses taken at East Tennessee State University.
   c. All courses in the major and minor subjects (or area concentration) taken at East Tennessee State University.*
   d. All courses in the major and minor subjects (or area concentration) including transferred credits.*

*Grades in all courses taken in the major and minor departments are reflected in the grade point average for the major and minor (or area concentration).

2. Students must complete the requirements of their program of study which shall be a minimum of 120 semester hours credit (exclusive of courses designed as not applicable toward the baccalaureate degree) including the general education core requirements, a major, and a minor. The major and minor programs (or area concentration) must be approved by the chair of the departments concerned.

3. Transfer students must complete enough work in residence at ETSU in both the major and minor to satisfy the chair of the departments that they are qualified in the major and minor fields. Transfer students must take a minimum of six semester hours at ETSU in the major field.

4. Students must satisfy a residency requirement of not less than two semesters during the junior and senior years, including the last full semester. The residency requirement shall be no less than 25 percent of the total requirements of the program of study (i.e., 30 semester hours for a program of study of 120 semester hours). Not less than 12 semester hours may be counted as a semester of residence. Courses taken at East Tennessee State University off-campus centers are classified as residence credit.

5. A minimum of 60 semester hours of credit must have been completed.
in a senior-level college or university.
6. Students must have demonstrated proficiency in written and spoken English.
7. Students must complete the Core Exit Exam and all other required exit exams, such as the Major Field Test. These exams must be completed with due seriousness and diligence. The results of these tests are important to the university and are used in the evaluation of academic programs. The Core Exit Exam, which measures general education, should be taken as soon as general education requirements are met and not later than the beginning of the senior year. The Major Field Test is required in selected departments and administered during the senior year. Departments requiring the Major Field Test and Core Exit test dates are listed each semester in the Schedule of Classes Bulletin and on the web at www.etsu.edu/reg/graduation/exitexam.htm.
8. Students must file an Intention to Graduate form with the Office of the Registrar, Graduation Section, no later than the close of the first month of the senior year. The deadline for this filing is included in the academic calendars of the catalogs and the Schedule of Classes. It is the responsibility of the student to ensure that this deadline is met. No diploma or transcript will be issued to students with outstanding financial obligations.
9. Compliance with any changes which may be made in the curricula may be required for students not completing degree requirements within six years from the date of first registration.

Foreign Language Proficiency (B.A.)

Students studying for a bachelor of arts (B.A.) degree shall be required to demonstrate proficiency in a foreign language equivalent to the completion of two years of college-level work.

Second Bachelor's Degree

Students who hold a bachelor's degree from ETSU or any other regionally accredited college or university may subsequently earn a second bachelor's degree from ETSU by satisfactorily completing: 1) a minimum of 34 semester credits of study at ETSU; 2) all course requirements for the additional degree and major being pursued; and 3) all Tennessee Board of Regents undergraduate degree requirements. A student pursuing a second bachelor's degree is subject to all departmental admissions requirements and to all departmental and university graduation requirements. Application to enroll for a second bachelor's degree must be made through the Office of Admissions.

Honor's Distinction

Baccalaureate degree candidates receive honors distinction at graduation based upon the cumulative, college-level grade point average, as follows:

- Cum Laude: 3.50-3.64
- Magna Cum Laude: 3.65-3.84
- Summa Cum Laude: 3.85-4.00

Associate degree recipients having a 3.50 grade point average or above receive their degree “with honor.”

The grade point average used in conferring academic honor at graduation includes work at this university as well as all other college work attempted.

Application for Degree

Not later than the close of the first month of the senior year (sophomore year for associate degree), each candidate for a degree shall file a Notice of Intention to Graduate (application for degree) with the Office of the Registrar, Graduation Section.

Not later than the close of the first week of the final semester, the candidate shall file the following forms: approved major and minor sheets (or major area sheet).

All scholastic deficiencies shall be removed at least one week before the date on which the degree is to be conferred.

All fees and financial obligations shall be settled in full at least one week before the date on which the degree is to be conferred. Neither the diploma nor transcripts can be released until all accounts are cleared.

Additional information is available at www.etsu.edu/reg/graduation.

All candidates for degrees are encouraged to take advantage of the placement service in the Career Development Office, located in the Culp Center.

Degrees are conferred three times a year, at the end of the fall, spring, and summer terms. Commencement ceremonies are held twice a year, at the end of the fall and spring terms. Summer degree recipients attend the fall ceremony.

Double Majors

Simultaneous Fulfillment of Requirements for Multiple Baccalaureate-Level Majors in a Single Degree Designation

A multiple major is the completion of two or more majors leading to the same degree designation (e.g., completion of a B.S. degree with majors in History and Political Science). A student may qualify for multiple majors by meeting the total requirements of each major. Consult the “Degree Programs, Majors and Concentrations” section found elsewhere in this catalog.

Double Degrees

Simultaneous Fulfillment of Requirements for Multiple Degrees at the Same Level

A student may concurrently receive multiple undergraduate degrees at a single degree level if he or she has fulfilled the total requirements for each degree (e.g., B.A., B.S., B.B.A., etc.) and for each major.

Fulfillment of Requirements for both TBR and the University of Tennessee System Institutions

The Tennessee General Assembly passed legislation mandating the transferability of 60 semester hours effective at all public institutions of higher education in Tennessee. A transfer track module that incorporates both the TBR and the University of Tennessee System minimum degree requirements consists of 60 semester hours in eight categories of courses and includes a provision to incorporate 12 to 15 semester hours of pre-major courses and/or electives. Completion of the module will permit students to transfer to any public institution of higher education in Tennessee.

Students transferring from other state public universities should consult the catalog from their home institution for a full list of courses satisfying each module.

Achievement Test Requirements

All students will be required to take one or more tests designed to measure General Education achievement and/or achievement in selected major areas as a prerequisite to graduation. In addition, students may be required to take other tests deemed necessary by the institution. The results of these tests will be used for evaluation of academic programs and student achievements. A commitment to performing well is expected.

Eligibility For Participation In Graduation Ceremonies

It is the policy of East Tennessee State University that only students who have completed their degree requirements participate in graduation ceremonies. There are two graduation ceremonies each year. May graduates attend the May ceremony. Students who finish requirements in any of the summer terms receive their diplomas in late August and are invited to attend the following December ceremony along with the December graduates.
GENERAL EDUCATION REQUIREMENTS

The general education requirements here described apply to all undergraduate students pursuing a baccalaureate degree. The purpose of the program resides in the “Philosophy and Goals of General Education.” To fulfill the goals, students must take the prescribed core curriculum and fulfill related requirements.

PHILOSOPHY AND GOALS OF GENERAL EDUCATION

The purpose of general education is to provide a common experience that enables students to acquire important skills and knowledge, as well as the ability to think critically and perceive interdisciplinary relationships. Students should develop qualities of thought and character that foster and support a lifetime of learning, full and rounded lives, the ability to meet expectations of the workplace, and the desire for quality living in a complex and changing world.

**Proficiencies**

ETSU’s general education program seeks to ensure that graduates possess at a minimum the following proficiencies:

1. the ability to write clear, coherent, and grammatically correct expository prose;
2. the ability to communicate orally in a succinct, persuasive, and grammatically correct manner, as well as to adapt one’s mode of communication to the needs and expectations of various audiences, including those who are literate in various academic disciplines;
3. the ability to read and comprehend serious texts in a variety of academic areas, to relate what one reads to what one knows, and to distinguish fact from opinion;
4. the ability to understand and make use of basic mathematical concepts and tools that are of general use in various academic disciplines; and
5. the ability to use information and creative resources that are available electronically.

**Areas of Familiarity**

Beyond these proficiencies the general education program also seeks to ensure that ETSU graduates are familiar with important information and modes of thinking or investigation in various areas of study. This knowledge is not an end in itself. Its purpose is to aid the educated person in perceiving relationships among areas of study and continuing to learn.

It is the expectation of the ETSU faculty and administration that those courses which constitute the general education curriculum will collectively represent a common experience for all students and that in total they will ensure the following:

1. that students understand selected basic scientific principles and technological accomplishments that have shaped our culture and others; that, through in-depth awareness of at least one field of science, students come to understand that science is the process used to discover the fundamental laws of our natural world; and that students recognize the power and limitations of the scientific method, quantitative thinking, and technology;
2. that students understand major components of our nation’s heritage – its people, ideas, and wealth of cultural diversity – and how that heritage intersects with and influences our own lives both today and for the future;
3. that students understand how the arts and humanities influence our ability to perceive and appreciate beauty, that students understand the relationship between art and other elements of culture, and that students recognize how art expresses and influences the complex fabric of assumptions that undergird any society;
4. that students identify their own beliefs, values, ethical basis for decision-making, and sense of social responsibility by using the humanities and literature to experience some of the great thinking about personal identity, social relationships, and social and personal responsibility; and
5. that students, in the interest of social and ethical responsibility, are exposed to varied value and belief systems and the historical and cultural processes that produce them; that students are able to think critically about how individuals are influenced by political, economic, cultural, or family institutions in our own or other cultures; and that students are able to explore how institutions might be directed toward constructive ends.

In summary, ETSU’s general education program serves two paramount goals. First, it seeks to ensure that students who earn the baccalaureate degree possess those basic proficiencies that denote an educated person and one suitable for employment. Second, ETSU’s general education aims to ensure that graduates understand information and modes of investigation that will permit them to continue to learn, to see relationships and verify learning experiences, and to find their own voices. This understanding will enable students to adapt to change, appreciate cultural variation, and show respect and suspend judgment toward others when exploring different viewpoints and alternatives to problems.
GENERAL EDUCATION PROGRAM

The university’s general education program includes two parts. Part I is a Core Curriculum of 44-45 semester credit hours that address specific academic “Proficiencies” and “Areas of Familiarity.” Part II, Requirements Reinforcing Academic Proficiencies, requires students to complete a minimum number of courses that provide intensive experiences in writing, oral communication, and using information technology.

PART I: CORE CURRICULUM

WRITING 6 Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading and Expository Writing</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking and Argumentation</td>
<td>(3 cr.)</td>
</tr>
</tbody>
</table>

Students eligible to enroll in ENGL 1010 must do so during their first term. Students required to take DSPW courses should enroll in this course the next term after completing DSPW 0800.

USING MATHEMATICS 3-4 Credits

Select one course from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1530</td>
<td>Probability and Statistics - noncalculus</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>MATH 1820</td>
<td>Calculus for Business</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>MATH 1840</td>
<td>Analytic Geometry and Differential Calculus</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>MATH 1910</td>
<td>Calculus I</td>
<td>(4 cr.)</td>
</tr>
</tbody>
</table>

Students eligible to enroll in one of these math courses must do so during their first calendar year of enrollment or prior to accumulating 33 semester credits at ETSU. Students required to take DSPM courses should complete the math requirement after completing DSPM 0850, and must do so in the next calendar year or prior to accumulating 33 more semester credits at ETSU.

USING INFORMATION TECHNOLOGY 3 Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>(3 cr.)</td>
</tr>
</tbody>
</table>

Students must demonstrate a working knowledge of word-processing, spreadsheets, electronic communication, and online searches during their first calendar year of enrollment or prior to accumulating 33 semester credits at ETSU. This requirement may be met by passing the UIT challenge exam or by completing successfully CSCI 1100, Using Information Technology.

AREAS OF FAMILIARITY 8 Credits

Select two courses from the following (required labs are shown with the lecture numbers):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1010</td>
<td>Astronomy I</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>ASTR 1020</td>
<td>Astronomy II</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>BIOL 1010-1011</td>
<td>Biology for Non-majors I</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>BIOL 1020-1021</td>
<td>Biology for Non-majors II</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>BIOL 1110-1111</td>
<td>Biology for Science Majors I</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>BIOL 1120-1121</td>
<td>Biology for Science Majors II</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>BIOL 1130-1131</td>
<td>Biology for Science Majors III</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>CHEM 1110-1111</td>
<td>General Chemistry I</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>CHEM 1120-1121</td>
<td>General Chemistry I</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>CHEM 1130-1131</td>
<td>General Chemistry II</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>CHEM 1140-1141</td>
<td>General Chemistry III</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>CHEM 1150-1151</td>
<td>General Chemistry IV</td>
<td>(4 cr.)</td>
</tr>
<tr>
<td>CHEM 1160-1161</td>
<td>General Chemistry V</td>
<td>(4 cr.)</td>
</tr>
</tbody>
</table>

HERITAGE 9 Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>HIST 2020</td>
<td>The United States Since 1877</td>
<td>(3 cr.)</td>
</tr>
</tbody>
</table>

And one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2030</td>
<td>Literary Heritage</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>ENGL 2130</td>
<td>American Literature</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>ENGL 2210</td>
<td>British Literature I</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>ENGL 2220</td>
<td>British Literature II</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>ENGL 2430</td>
<td>European Literature</td>
<td>(3 cr.)</td>
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<tr>
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<td>(3 cr.)</td>
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ARTS AND THE ARTISTIC VISION 3 Credits

Select one of the following:

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<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ARTA 2010</td>
<td>Art History Survey I</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>ARTA 2020</td>
<td>Art History Survey II</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>HUMT 2310</td>
<td>Introduction to the Humanities I</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>HUMT 2320</td>
<td>Introduction to the Humanities II</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>MUSC 1030</td>
<td>Introduction to Music</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>MUSC 1035</td>
<td>History of Jazz</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>PEKS 3500</td>
<td>Dance as Human Experience</td>
<td>(3 cr.)</td>
</tr>
<tr>
<td>THEA 1030</td>
<td>Introduction to the Theatre</td>
<td>(3 cr.)</td>
</tr>
</tbody>
</table>
IDENTITY, ETHICS, AND SOCIAL RESPONSIBILITY  

Select one of the following: 

- ENGL 3150 Literature, Ethics, and Values (3 cr.) 
- SRVL 1020 Introduction to Service-Learning (3 cr.) 
- PHIL 1030 Self and World (3 cr.) 
- PHIL 2020 Values and Society (3 cr.) 
- PHIL 2040 Philosophy as Conversation (3 cr.) 
- PHIL 2210 Introduction to the Study of Religion (3 cr.) 
- PSCI 1110 Political Life (3 cr.) 
- SOAA 2020 Social Problems and Human Values (3 cr.) 
- WMST 2010 Introduction to Women’s Studies (3 cr.) 

INSTITUTIONS AND SOCIETY  

Select two of the following (only one course from ECON): 

- ECON 1050 Economics and Society (3 cr.) 
- ECON 2210 Principles of Economics Part I (3 cr.) 
- GEOG 1012 Introduction to Cultural Geography (3 cr.) 

HUMANITIES ELECTIVE  

Select one of the following: 

- ENGL 3280 Mythology (3 cr.) 
- ENTC 3020 Technology and Society (3 cr.) 
- HIST 1110 World History and Civilization to 1500 (3 cr.) 
- HIST 1120 World History and Civilization Since 1500 (3 cr.) 
- PHIL 2640 Science and the Modern World (3 cr.) 

PART II: REQUIREMENTS REINFORCING ACADEMIC PROFICIENCIES  

Courses that fulfill writing-intensive, oral communication-intensive, and using information technology-intensive requirements are indicated in the Schedule of Classes each term. A complete listing of proficiency-intensive courses is also available at http://www.etsu.edu/reg/intensive/. 

WRITING - Students must complete a minimum of four writing-intensive courses. At least two of these courses must be in the major field of study. At least two of the four courses must be at the 3000-4000 levels. 

ORAL COMMUNICATION - Students must complete a minimum of two oral communication-intensive courses. At least one of these courses must be in the major field of study. 

USING INFORMATION TECHNOLOGY - Students must complete a minimum of one using information technology-intensive course in the major field of study. 

READING - Students who are required to take the AAPP test (see “Enrolling at ETSU”) and who are assessed as being deficient in reading must complete DSPR 0800 prior to accumulating 33 semester credits at ETSU. Faculty in any course who question whether a student is reading at a reasonable college level may remand the student to the Developmental Studies Program for assessment. 

SPECIAL NOTES ON MEETING CORE REQUIREMENTS: 

1. Students must meet proficiency-intensive requirements through courses taken at ETSU. 
2. The following categories of students are only required to take TWO writing-intensive courses, ONE oral communication-intensive course, and ONE using information technology-intensive course: 
   a. Transfer students with an associate degree designed for transfer; 
   b. Transfer students with 60 or more transferrable semester credits upon entering ETSU; and 
   c. Readmission students with 60 or more hours upon re-entering ETSU, whose last term of enrollment at ETSU was prior to 1995. 
3. A student has six years to complete the requirements of the undergraduate catalog under which he or she entered ETSU. ETSU also provides transfer students the opportunity to meet the ETSU catalog degree requirements in effect for a period of six years from the date of first entrance into higher education. 

Additional Requirements for Graduation: 

PHYSICAL EDUCATION  

2 Credits 

One PHED course from the fitness activity category (any 1000 level course) and one PHED course from the lifetime activities category (any 2000 level course). 

Marching Band MUSC 1201 or Military Science MSCI 1217, 2130, or 3217 may fulfill either the fitness or the lifetime activity category. 

NOTE: Two courses must be taken to fulfill the requirement.
Tennessee Board of Regents' Minimum Degree Requirements and Courses That Fulfill Minimum Degree Requirements

All universities and community colleges in the Tennessee Board of Regents System (TBR) share a common set of Minimum Requirements for baccalaureate degrees or associate degrees designed for transfer. The Minimum Degree Requirements specify 32 semester credit hours in the following subject areas:

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Semester Credit Hours Required</th>
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<tbody>
<tr>
<td><strong>English Composition</strong></td>
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<tr>
<td>ENGL 1006 English as a Second Language</td>
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<tr>
<td>ENGL 1008 English as a Second Language</td>
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<tr>
<td>ENGL 1010 Critical Reading and Expository Writing</td>
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<tr>
<td>ENGL 1020 Critical Thinking and Argumentation</td>
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<tr>
<td>ENGL 1018 Honors Composition I</td>
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<tr>
<td>ENGL 1028 Honors Composition II</td>
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<tr>
<td><strong>Humanities</strong>, including at least 3 semester credit hours in literature</td>
<td>9</td>
</tr>
<tr>
<td>ARTA 2010 Art History Survey I</td>
<td></td>
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<tr>
<td>ARTA 2020 Art History Survey II</td>
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<tr>
<td>ENGL 2030 Literary Heritage</td>
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<tr>
<td>ENGL 2130 American Literature</td>
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<td>ENGL 2210 British Literature I</td>
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<td>ENGL 2220 British Literature II</td>
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<tr>
<td>ENGL 2430 European Literature</td>
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<tr>
<td>ENGL 2330 World Literature</td>
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<td>ENGL 2138 Honors Survey of American Literature</td>
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<td>ENGL 2238 Honors Survey of British Literature</td>
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<td>ENGL 2338 Honors Survey of World Literature</td>
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<tr>
<td>ENGL 2438 Honors Survey of European Literature</td>
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<tr>
<td>ENGL 3280 Mythology</td>
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<tr>
<td>ENGL 3150 Literature, Ethics, and Values</td>
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<tr>
<td>ENTC 3020 Technology and Society</td>
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</tr>
<tr>
<td>HIST 1110 World History to 1500</td>
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<tr>
<td>HIST 1120 World History Since 1500</td>
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<tr>
<td>HUMT 2310 Introduction to Humanities I</td>
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<tr>
<td>HUMT 2320 Introduction to Humanities II</td>
<td></td>
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<tr>
<td>MUSC 1030 Introduction to Music/Music Appreciation</td>
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<tr>
<td>MUSC 1035 History of Jazz</td>
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<tr>
<td>PEXS 3500 Dance as a Human Experience</td>
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<td>PHIL 1030 Self and World</td>
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<td>PHIL 2020 Values and Society</td>
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<td>PHIL 2040 Philosophy as Conversation</td>
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<td>PHIL 2210 Introduction to the Study of Religion</td>
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<td>PHIL 2640 Science and the Modern World</td>
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<tr>
<td>PSCI 1110 Political Life</td>
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<tr>
<td>SOAA 2020 Social Problems</td>
<td></td>
</tr>
<tr>
<td>THEA 1030 Introduction to Theatre</td>
<td></td>
</tr>
<tr>
<td>WMST 2010 Introduction to Women's Studies</td>
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</tbody>
</table>
### History

(TBR universities require American History, except in a limited number of majors exempted from the requirement. Students may substitute 3 semester credit hours of Tennessee History for the American History required.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
</tr>
<tr>
<td>HIST 2020</td>
<td>The United States Since 1877</td>
</tr>
<tr>
<td>HIST 2030</td>
<td>History of Tennessee</td>
</tr>
</tbody>
</table>

### Natural/Physical Sciences and Mathematics

To include one year of science and at least one course in mathematics.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
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<td>Astronomy I</td>
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<tr>
<td>ASTR 1020</td>
<td>Astronomy II</td>
</tr>
<tr>
<td>BIOL 1010-1011</td>
<td>Biology for Non-Majors I, Lecture and Laboratory</td>
</tr>
<tr>
<td>BIOL 1020-1021</td>
<td>Biology for Non-Majors II, Lecture and Laboratory</td>
</tr>
<tr>
<td>BIOL 1110-1111</td>
<td>Biology for Science Majors I, Lecture and Laboratory</td>
</tr>
<tr>
<td>BIOL 1120-1121</td>
<td>Biology for Science Majors II, Lecture and Laboratory</td>
</tr>
<tr>
<td>BIOL 1130-1131</td>
<td>Biology for Science Majors III, Lecture and Laboratory</td>
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<tr>
<td>CHEM 1030</td>
<td>Introduction to Chemistry Survey</td>
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<tr>
<td>CHEM 1000</td>
<td>Chemistry and Well Being</td>
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<tr>
<td>CHEM 1110-1111</td>
<td>General Chemistry I, Lecture and Laboratory</td>
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<tr>
<td>CHEM 1120-1121</td>
<td>General Chemistry II, Lecture and Laboratory</td>
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<tr>
<td>CHEM 1320-1321</td>
<td>Introductory Organic and Biochemistry, Lecture and Laboratory</td>
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<td>GEOG 1110</td>
<td>Earth Science: Weather and Climate</td>
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<tr>
<td>GEOG 1120</td>
<td>Earth Science: Landforms and Processes</td>
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<tr>
<td>GEOL 1040</td>
<td>Physical Geology</td>
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<td>GEOL 1050</td>
<td>Historical Geology</td>
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<tr>
<td>HSCI 2010-2011</td>
<td>Anatomy and Physiology I, Lecture and Laboratory</td>
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<tr>
<td>HSCI 2020-2021</td>
<td>Anatomy and Physiology II, Lecture and Laboratory</td>
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<td>PHYS 1030</td>
<td>Introduction to Physics Survey</td>
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<tr>
<td>PHYS 2010-2011</td>
<td>General Physics I - Non-Calculus, Lecture and Laboratory</td>
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<tr>
<td>PHYS 2020-2021</td>
<td>General Physics II - Non-Calculus, Lecture and Laboratory</td>
</tr>
<tr>
<td>MATH 1820</td>
<td>Calculus for Business</td>
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<tr>
<td>MATH 1840</td>
<td>Analytic Geometry and Differential Calculus</td>
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<tr>
<td>MATH 1530</td>
<td>Probability and Statistics - Non-Calculus</td>
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<tr>
<td>MATH 1910</td>
<td>Calculus</td>
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</tbody>
</table>

### Physical Education Activity Courses

To be taken as two one-semester credit hour courses.

(Institutions may substitute satisfactory participation in ROTC, marching band, or armed forces experiences for physical education activity courses.)

All PHED - - - -

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**TOTAL**

| 32 |

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Every TBR institution incorporates the thirty-two semester hours listed above into its degree program requirements and accepts all courses designated as meeting these requirements at other TBR institutions. By ensuring the transferability of courses fulfilling the Minimum Degree Requirements, the TBR has eliminated unnecessary repetition of these courses by students transferring to institutions within the TBR system. Because each TBR institution has a unique mission and its own distinctive curriculum, an institution may require students to complete additional courses in the Minimum Degree subject areas and in other areas that may comprise an institutional General Education Program. Students planning to receive a bachelor of arts or associate of arts degree must demonstrate proficiency in a foreign language as prescribed in the institutional degree requirements.

**Identifying Courses Satisfying the Minimum Degree Requirements**

Although the courses fulfilling the minimum degree requirements may vary in actual design among institutions, many contain similar content. These courses are identified by common course rubrics (prefixes) and numbers in all TBR institutions to facilitate transferability. The actual courses designated by each institution to fulfill the Minimum Degree Requirements, including courses that may not be a part of the common course prefix and numbering pattern, are denoted in catalogs by the ◆ symbol. A complete matrix of courses that satisfy the Minimum Degree Requirements in all TBR institutions and an explanation of the common course rubric and numbering system are available on the TBR web page (www.tbr.state.tn.us).
### DEGREE PROGRAMS, MAJORS AND CONCENTRATIONS

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<tr>
<th>MAJOR AND DEGREE</th>
<th>CONCENTRATION</th>
<th>EDUCATION LICENSURE CONCENTRATION</th>
<th>SOCIAL AND BEHAVIORAL SCIENCE CONCENTRATION</th>
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<td><strong>COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY</strong></td>
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<tr>
<td>CLINICAL NUTRITION</td>
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<td>EDUCATION LICENSURE CONCENTRATION</td>
<td>SOCIAL AND BEHAVIORAL SCIENCE CONCENTRATION</td>
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| MANAGEMENT AND MARKETING DEPARTMENT  
(MGMK) | | | |
| MANAGEMENT  
Bachelor of Business Administration  
(B.B.A.) | Management Information Systems  
Legal Studies  
Logistics/Supply Chain Management | | |
| MARKETING  
Bachelor of Business Administration  
(B.B.A.) | Integrated Marketing Communications  
Marketing Management  
Food Marketing | | |
| BUSINESS ADMINISTRATION  
(Interdepartmental)  
Graduate Certificate (C4) | | | |
| Master of Business Administration  
(M.B.A.) | | | |
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(Interdisciplinary - See College of Nursing; and Public Health Department, College of Public and Allied Health)  
Graduate Certificate (C4) | | | |
| SCHOOL OF CONTINUING STUDIES | | | |
| CROSS-DISCIPLINARY STUDIES DEPARTMENT  
(CDST) | | | |
| ARCHIVAL STUDIES  
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| APPLIED SCIENCE  
Bachelor of Applied Science (B.A.S.) | Professional Development | | |
| GENERAL STUDIES  
Bachelor of General Studies (B.G.S.) | | | |
| INTERDISCIPLINARY STUDIES  
(Regents Online Degree)  
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Master of Arts in Liberal Studies  
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| Master of Science (M.S.) | Anatomy  
Biochemistry  
Microbiology  
Pharmacology  
Physiology  | | |
| Doctor of Philosophy (Ph.D.) | Anatomy  
Biochemistry  
Microbiology  
Pharmacology  
Physiology  | | |
<p>| <strong>MEDICINE</strong>  | | | |
| Doctor of Medicine (M.D.)  | | | |
| (See Catalog for College of Medicine) | | | |</p>
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<td>ENVIRONMENTAL HEALTH DEPARTMENT (ENVH)</td>
<td>SAFETY</td>
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</table>
The primary mission of the various Academic Honors Programs at ETSU is to provide unique educational opportunities for academically talented students. Within this mission, our goals focus on recruiting exceptional students, nurturing their intellectual growth through challenging curricula, promoting their commitment to lifelong learning and service, and instilling in them a desire to advance knowledge in their chosen fields. In order to accomplish these goals, Honors Programs enlist exceptional faculty, who are provided opportunities to promote innovative and creative approaches to teaching in their classrooms and laboratories. Honors Scholars are provided opportunity to work collaboratively with professors in research and scholarly activities, and receive assistance in the pursuit of fellowships, awards, and access to continued studies in graduate and professional programs.

Academic Honors Programs offered include the University Honors Scholars program and a variety of Honors-in-Discipline programs that are identified by major field of interest. All Honors Programs provide out-of-state tuition waivers, and some offer additional scholarship opportunities. The University Honors Programs Office directly administers the University Honors Scholars Program and provides oversight and coordination for all Honors-in-Discipline programs.

**Honors-in-Discipline Programs**

For more information about these programs, refer to descriptions and instructions provided in each of these academic areas within this catalog. New Honors-in-Discipline programs become available each year; please direct inquiries about potential new programs to the University Honors Programs Office, P.O. Box 70294, ETSU, Johnson City, TN 37614-1701; 423/439-6456; email to Honors@ETSU.edu.

Honors programs in academic majors are offered in the following areas:

- College of Applied Science & Technology
- College of Business
- College of Nursing
- Department of Chemistry
- Department of Biological Sciences
- Department of Criminal Justice & Criminology
- Department of English
- Department of History
- Department of Mathematics
- Department of Physics and Astronomy
- Teacher Certification Program

**University Honors Scholars Program**

The University Honors Scholars Program is a four-year program specially designed for outstanding students who desire an interdisciplinary approach to general education, in addition to their chosen fields of interest. University Honors Scholars may major in any academic program available at ETSU. Each year, 20 exceptional high school students are invited to join the program. Each student is provided a full scholarship that includes tuition, fees, costs of standard dormitory and meal plans, and a book allowance; students are expected to reside on campus during their freshman and sophomore years in the program. Scholarships are granted for four years, depending upon successful completion of coursework, attainment of minimum GPA standards (see below), and completion of an Honors Thesis. Students work closely with a faculty mentor in their major or minor area of interest. University Scholars receive special workshops on campus resources, study abroad and exchange programs, fellowship/award opportunities, and graduate/professional school application procedures. Students are encouraged to participate with their colleagues in the Honors Student Council, as student representatives on the Honors Advisory Committee, and as active members of student organizations across campus. Through our institutional membership in the National Collegiate Honors Council, ETSU University Scholars are provided access to state, regional, and national council positions. A variety of social and cultural activities are provided. University Scholars have unrestricted access to Honors House, with computer facilities, conference and meeting rooms, lounge, and study areas. Honors House is located at 914 W. Maple Street and is home to the University Honors Programs Office. Interested potential candidates are encouraged to visit Honors House and meet with the Director; call 423/439-6456 or email Honors@etsu.edu for more information or to make an appointment.

Admission to the University Honors Scholars Program requires special application. Applications are available only from the University Honors Programs Office, P.O. Box 70294, ETSU, Johnson City, TN 37614-1701. Minimal qualifications for consideration for admission include a 29 ACT or 1280 SAT and a high school GPA of 3.5 (4.0 scale). High school curriculum, letters of recommendation, extracurricular activities, high school scholastic honors, and a personal essay are considered in the application process. Students that do not meet minimum test scores, but with unique qualifications in other areas, may be considered for admission. Scholarships are awarded on a competitive basis each year. The application deadline is typically the end of January for admission the following fall semester. Graduates from the program receive special regalia, and “University Honors Scholar” designation on transcripts and diploma.

The University Honors Scholars program provides special general education courses with small class sizes that emphasize writing and discussion. Most requirements in general education are provided in year-long, interdisciplinary honors seminars, including Quest for Meanings & Values, Artistic Experience, Institutions & Society, Great Ideas in Science and Honors Colloquium. All Honors Scholars must successfully complete a semester of Calculus, a year of Honors U.S. History, all honors general education courses, and an Honors Thesis. For their Honors Thesis, students work in their major or minor interest in collaboration with a faculty member on a significant creative research project. Skills acquired by completing this requirement provide a capstone experience for students in their senior year and enhance their preparation for continued studies or professional occupations.

In order to be retained in the program, University Honors Scholars are required to complete 15 credit hours per semester, and to maintain the following GPA standards: 1st semester, 2.75; 2nd semester 3.0; 3rd semester, 3.15; 4th and remaining semesters, 3.25. Probationary status may be granted for one semester only before scholarship support is withdrawn.
The mission of the College of Applied Science and Technology is to promote specialized and professional competence in a variety of technological and applied science programs of study. The curriculum includes, in addition to the major topics of study, coursework in business, humanities, science, mathematics, and the social sciences. Emphasis is placed on communication and problem-solving competency; the development of interpersonal skills; and the application of basic scientific and research knowledge. A strong background in science and mathematics is recommended for entry into the programs.

The College of Applied Science and Technology offers baccalaureate and master's degrees in the departments of Applied Human Sciences; Computer and Information Sciences; Geography, Geology and Geomatics; and Technology. Military Science, Pre-engineering, and the Division of Vocational Education programs are also administered within the college.

**Degrees and Programs**

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<tr>
<th>Department</th>
<th>Program Concentrations</th>
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<td>Applied Human Sciences</td>
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<td>Child and Family Studies</td>
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<td>Dietetics/Food Systems Management</td>
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<td>Family and Consumer Sciences Education</td>
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<td>Interior Design</td>
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<td>Merchandising</td>
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<td>Computer &amp; Information Science</td>
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<td>Surveying &amp; Mapping</td>
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<td>ROTC Advanced Phase</td>
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<td>Trade and Industrial Education</td>
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<td>Engineering Transfer</td>
<td>One- or Two-Year Transfer</td>
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**Engineering Transfer Program**

Students planning to pursue an academic program in engineering may take the first two years of study directed by an advisor. Students should be fully aware of the required curriculum of the institution to which they plan to transfer and must follow course advising.

A rigid high school program in mathematics and high ACT scores are essential indicators of success and later transfer. High school mathematics credits should include two years of algebra; one year of geometry; one year of trigonometry/precalculus. One or more computer-type courses as well as one year of calculus are highly recommended.

Students entering without deficiency spend two years (four semesters) and usually follow a prescribed program. During the second year applications are submitted to the engineering school of choice. It is important that freshman students decide which university they plan to transfer to for their B.S. in engineering and check the program of the school for specific requirements in the selected engineering discipline.

**College Honors Program**

The College of Applied Science and Technology has specifically designed a program of study for honors students that is taught by outstanding faculty. It includes courses in professional ethics, technical communication, methods of research, honors thesis and the opportunity for international study. Additionally, there are specific departmental courses in a student's major where further enrichment opportunities are provided. Scholarships are awarded, and cooperative education and intern experiences are encouraged.

College honors students are assigned mentor professors who serve to guide, support and advise. Class size is small with much interaction and discussion. Students are encouraged to be active in the departmental professional organizations, honor societies and other ETSU groups.

Students can qualify for admission to the College Honors Program by achieving a score of 29+ ACT or 1280+ SAT and/or a high school grade point average of 3.5 on a 4.0 scale.

**Cooperative Education**

Cooperative Education is an important part of the College departments’ curriculum. It provides the university, the public and private sectors an opportunity to work together to support students. It gives students an opportunity to gain valuable hands-on experience while working under the guidance of a professional in the field. The chance to learn, practice, and mature makes the students’ on-campus study more meaningful and opens doors for future employment.

Students enrolling in cooperative education in the College of Applied Science and Technology need to be aware of and follow regulations set forth by the College. To be eligible for enrollment, all students are required to meet the following criteria:

1. Must have completed a minimum of 32 semesters credit hours of coursework at an accredited college or university.
2. Must have completed the basic foundation courses in the major in which the student plans to coop. This is to be determined by the student's academic advisor and the CAST co-op coordinator.
3. Must have a minimum 2.50 GPA in their major.
4. Must have a minimum of a 2.25 GPA in all of their coursework at ETSU and other institutions.
5. Students are limited as to the number of semester credit hours of other courses they can register for during the semester they co-op.
The following formula applies:

<table>
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<th>Sem. Hrs.</th>
<th>Work Hrs. per Week</th>
<th>Additional Sem. Hours permitted to take</th>
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<td>2</td>
<td>20-29</td>
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<td>3</td>
<td>30-40</td>
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</table>

If a student wishes to be considered for additional semester credit hours of coursework above the maximum allowed in the formula, then a formal appeal may be made to the CAST Dean’s Council. This appeal is handled through the College co-op coordinator.

**Department of Applied Human Sciences (AHSC)**

P.O. Box 70671   Phone: 423/439-7532

E-mail: kridler@etsu.edu

Accredited by: Tennessee State Board of Education
American Dietetic Association
(Approved)

The Department of Applied Human Sciences offers the bachelor of science degree with a major in Applied Human Sciences and a major in Early Childhood Development.

**B.S. in Applied Human Sciences**

The Applied Human Sciences curriculum is designed to prepare students for professional careers in child and family studies, dietetics and food systems management, family and consumer education, interior design, apparel merchandising, and interiors merchandising. A major in Applied Human Sciences offers an area concentration with a minimum of 48 semester credits hours. The following five concentrations are offered:

**Child and Family Studies**

This concentration provides preparation for professional careers in programs that support families and children in their near environment.

**Dietetics/Food Systems Management**

The dietetics emphasis provides the undergraduate preparation required by the American Dietetic Association in preparation for qualifying for Registered Dietitian (R.D.) status through the American Dietetic Association Commission on Dietetic Registration. The food systems management emphasis provides preparation for management positions within commercial, health care, educational, and institutional food service operations. By including prescribed coursework, students may receive School Food Service Supervisor Certification required for positions as certified school food service supervisors in Tennessee.

**Family and Consumer Sciences Education**

This concentration meets the requirements for Vocational Consumer Homemaking certification Grades 5-12 in Tennessee. Occupational Endorsement may be earned in Care and Guidance of Children, Clothing Management, Production and Services, or Food Management, Production and Services.

**Interior Design**

This concentration provides preparation for professional careers related to the design of interior environments.

**Merchandising**

This concentration includes two emphases, apparel and interiors. Both provide the educational and on-site experiences for a variety of careers in the apparel, textile, and interiors industries to include: retail store management; sales representatives; buying; visual merchandising; advertising and promotion; consulting; and entrepreneurship.

**APPLIED HUMAN SCIENCES UNDERGRADUATE CURRICULUM**

**Department Core Requirements**

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<td>AHSC 1510</td>
<td>Career Management in Applied Human Sciences</td>
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<td>AHSC 4520</td>
<td>Senior Seminar</td>
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<td>AHSC 4537</td>
<td>Field Studies</td>
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<td>AHSC 4547</td>
<td>Merchandising Internship</td>
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<td>AHSC 4557</td>
<td>Corporate Etiquette</td>
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<td>PSYC 1310</td>
<td>Introduction to Psychology*</td>
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<tr>
<td>SOAA 1020</td>
<td>Institutions and Society*</td>
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Total Core Requirements: 21

*These courses are also part of the university General Education Program.

**CHILD AND FAMILY STUDIES CONCENTRATION**

This concentration provides preparation for professional careers in programs that support families and children in their near environment.

**Child and Families Concentration**

<table>
<thead>
<tr>
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<td>AHSC 2000</td>
<td>Preparation for Marriage</td>
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</tr>
<tr>
<td>AHSC 2110</td>
<td>Infant/Toddler/Child Development</td>
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</tr>
<tr>
<td>AHSC 2120</td>
<td>Foundations of Early Childhood Development</td>
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<tr>
<td>AHSC 2420</td>
<td>Principles of Nutrition</td>
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<tr>
<td>AHSC 3110</td>
<td>Parent/Child/School Relations</td>
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<td>AHSC 4127</td>
<td>Divorce: Causes and Consequences</td>
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<td>Youth Violence</td>
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<td>Field Studies</td>
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<tr>
<td>SOWK 4567</td>
<td>Human Sexuality</td>
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<td>HDAL 2330</td>
<td>Adolescent Psychology</td>
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Total Required For Concentration: 55
Suggested Semester Schedule

**Freshman – Fall Semester**

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**Freshman – Spring Semester**

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**Sophomore – Fall Semester**

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**Sophomore – Spring Semester**

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**Junior – Fall Semester**

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**Junior – Spring Semester**

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**Senior – Fall Semester**

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**Senior – Spring Semester**

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**DIETETICS/FOOD SYSTEMS MANAGEMENT CONCENTRATION DIETETICS EMPHASIS**

Students who complete the dietetic emphasis are issued a “Verification Statement” by the director of the Didactic Program in Dietetics (DPD). This statement indicates that the student is qualified to apply for an American Dietetic Association accredited internship and/or an American Dietetic Association internship leading toward eligibility to take the national Registered Dietitian (R.D.) examination.

**Dietetics Emphasis**

**Applied Human Sciences Core Requirements**

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<td>Principles of Nutrition</td>
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<td>AHSC 3420</td>
<td>Nutrition Throughout the Lifecycle</td>
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<td>AHSC 3460</td>
<td>Experimental Food Science</td>
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<tr>
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<td>Diet in Disease (II)</td>
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<tr>
<td>HSCI 2230-31</td>
<td>Introduction to Microbiology</td>
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<td>HSCI 3020</td>
<td>Human Physiology</td>
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**Total Required For Emphasis**

Students who complete the dietetic emphasis are issued a “Verification Statement” by the director of the Didactic Program in Dietetics (DPD). This statement indicates that the student is qualified to apply for an American Dietetic Association accredited internship and/or an American Dietetic Association internship leading toward eligibility to take the national Registered Dietitian (R.D.) examination.
East Tennessee State University

Sophomore – Spring Semester

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<tr>
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<td>General Chemistry II</td>
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<tr>
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<td>Principles of Nutrition</td>
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<td>ECON 2210</td>
<td>Principles of Economics</td>
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<td>ENGL 3120</td>
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**TOTAL**....................................................................................... 17

Junior – Fall Semester

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<td>HSCI 3020</td>
<td>Human Physiology</td>
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<td>AHSC 4497</td>
<td>Administration of Food Service Organizations</td>
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<td>AHSC 3420</td>
<td>Nutrition throughout the Lifecycle</td>
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**TOTAL**....................................................................................... 18

Junior – Spring Semester

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<td>Corporate Etiquette</td>
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<td>MGMT 3000</td>
<td>Organizational Management</td>
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<tr>
<td>Identity/Ethics/Social Responsibility</td>
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<td>AHSC 3465</td>
<td>Human Nutrition and Metabolism</td>
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**TOTAL**....................................................................................... 18

Summer Semester

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Senior – Fall Semester

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Senior – Spring Semester

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<td>Human Resource Management</td>
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Dietetics Emphasis Minor

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<td>AHSC 3465</td>
<td>Human Nutrition and Metabolism*</td>
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**Total Required For Minor**....................................................................................... 23

*Note required prerequisites!

DIETETICS/FOOD SYSTEMS MANAGEMENT CONCENTRATION

FOOD SYSTEMS MANAGEMENT EMPHASIS

Majors completing this concentration are qualified for employment in the area of food supervision and/or management and can meet the requirements necessary for positions as certified School Food Service Supervisors in Tennessee.

Food Systems Management Emphasis**

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<td>Principles of Nutrition*</td>
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<td>AHSC 4497</td>
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<td>Experimental Food Science</td>
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<td>AHSC 4467</td>
<td>Quantity Food Procurement &amp; Production*</td>
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**Total required for emphasis**....................................................................................... 55

Required Supporting Courses

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**Total Required For Emphasis**....................................................................................... 100

*Suggested Supporting Courses

Suggested Semester Schedule

Freshman – Fall Semester

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<th>Course Title</th>
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**TOTAL**....................................................................................... 17

Freshman – Spring Semester

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<td>PHED</td>
<td>PE</td>
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**TOTAL**....................................................................................... 16

* May need to take MATH 1810 Analysis for Business as a Prerequisite.

Sophomore – Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 1110/11</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>HIST 2020</td>
<td>The United States Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 20XX</td>
<td>Literature Core Course</td>
<td>3</td>
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<tr>
<td>HSCI 2230/31</td>
<td>Introduction to Microbiology</td>
<td>3</td>
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<tr>
<td>AHSC 2620</td>
<td>Design for Human Behavior</td>
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**TOTAL**....................................................................................... 17

Sophomore – Spring Semester

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<tbody>
<tr>
<td>SPCH 2300</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1120/21</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>AHSC 2420</td>
<td>Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2210</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3120</td>
<td>Pre-Professional Writing or</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3030</td>
<td>Technical Communication</td>
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**TOTAL**....................................................................................... 16

Junior – Fall Semester

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACCT 2010</td>
<td>Principles of Accounting*</td>
<td>3</td>
</tr>
<tr>
<td>ARTS &amp; ARTISTIC VISION</td>
<td></td>
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<tr>
<td>ECON 2220</td>
<td>Principles of Economics II</td>
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<td>AHSC 4497</td>
<td>Administration of Food Service Organizations</td>
<td>4</td>
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<tr>
<td>Identity/Ethics/Social Responsibility</td>
<td>3</td>
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**TOTAL**....................................................................................... 16

Junior – Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AHSC 4467</td>
<td>Quantity Food Procurement and Preparation</td>
<td>4</td>
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<td>AHSC 3430</td>
<td>Community Nutrition</td>
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<td>ACCT 2020</td>
<td>Principles of Accounting II</td>
<td>3</td>
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<tr>
<td>MKTG 3200</td>
<td>Principles of Marketing</td>
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<tr>
<td>AHSC 3460</td>
<td>Experimental Food Science</td>
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**TOTAL**....................................................................................... 17

Summer Semester

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>AHSC 4537</td>
<td>Field Studies</td>
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</tbody>
</table>

2003-2004 Undergraduate Catalog 71
**FAMILY AND CONSUMER SCIENCES EDUCATION**

Requirements for teacher education can be found in the College of Education section of this catalog. Those desiring certification should consult a departmental advisor.

All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Education Student Services, Room 321, Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.

### General Education Core

Students must complete the ETSU general education core of 41-44 semester hours as adopted by the university. When meeting the General Education Requirements, students must take a minimum of three of the following six courses:

- **ENGL 2330** World Literature .......................................................... 3
- **PEXS 3500** Dance as a Human Experience .................................. 3
- **WMST 2010** Introduction to Women’s Studies ............................ 3
- **GEOG 1012** Introduction to Cultural Geography .......................... 3
- **SOAA 1240** Introduction to Cultural Anthropology .................. 3
- **HUMT 2320** Introduction to Humanities II ................................. 3

Additionally, when meeting the General Education Requirements, students must take a minimum of one of the following three courses:

- **PHIL 1030** Self and World ............................................................. 3
- **PHIL 2020** Values and Society ..................................................... 3
- **PHIL 2210** Introduction to the Study of Religion ........................ 3

**Admission:** Any student who chooses to pursue family and consumer sciences education for licensure in grades 5-12 must apply for admission to the teacher education program. The requirements for admission to the program are as follows:

1. Declaration of Intent form and Program of Study Form
2. PPST, ACT or SAT minimal test scores
3. 2.5 GPA
4. Completed courses EDFN 2100 and EDFN 2300 with a grade of ‘C’ or better.
5. If a student has met all of the above requirements for teacher education, then student must complete the application for the Board to enter teacher education program.
6. Upon completion of successful interview with College of Education Admission Board, student will be admitted to the teacher education program.

7. After admission to Teacher Education, the candidate should complete the approved program of study under the direction of the departmental advisor and the College of Education advisor in order to ensure that both licensure and degree requirements are met. The candidate should apply for a student teaching placement the semester prior to the term in which student teaching is planned. All admission criteria must have been met and maintained. A 2.5 minimum grade point average must be demonstrated overall, in the major, and in the professional education courses. Further, no grade less than a ‘C’ can be accepted in the licensure area or in professional education. Student teaching placements will be planned by the College of Education in consultation with the candidate’s program advisor.

### Family and Consumer Sciences Education Concentration

**Applied Human Sciences Core Requirements** ........................................ 21

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AHSC 1410</td>
<td>Food Selection and Preparation</td>
<td>4</td>
</tr>
<tr>
<td>AHSC 1620</td>
<td>Introduction to Contemporary Interiors</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2110</td>
<td>Infant/Toddler/Child Development</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2205</td>
<td>Principles of Clothing</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2220</td>
<td>Consumer Clothing Concerns</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2420</td>
<td>Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1621</td>
<td>Design Communications: Studio I</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3110</td>
<td>Parent/Child/School Relations</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3220</td>
<td>Textiles (I)</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3221</td>
<td>Textiles (II)</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3460</td>
<td>Experimental Food Science</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4330</td>
<td>Management of Family’s Material Resources</td>
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**Total Required For Concentration** .................................................. 60

### Professional Education Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDFN 2100</td>
<td>Orientation to the Profession of Education</td>
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<tr>
<td>EDFN 2300</td>
<td>Foundations of Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2330</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3320</td>
<td>Exceptional Learners in Schools &amp; Communities</td>
<td>3</td>
</tr>
<tr>
<td>MEDA 3570</td>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>READ 4437</td>
<td>Reading in the Middle/Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4717</td>
<td>Vocational Family and Consumer Sciences Curriculum</td>
<td>3</td>
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<tr>
<td>AHSC 4727</td>
<td>Methods for Vocational Family and Consumer Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CUAJ 4580</td>
<td>Student Teaching</td>
<td>12</td>
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<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
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**Total** .................................................................................................. 43

### Suggested Semester Schedule

**Freshman - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading/Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>SCIENCE*</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>AHSC 1510</td>
<td>Career Management in AHSC</td>
<td>3</td>
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<tr>
<td>AHSC 1410</td>
<td>Food Selection &amp; Preparation</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
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**TOTAL** .................................................................................................. 17

*Choose BIOL 1010/1011 and BIOL 1020/1021 OR CHEM 1030 and PHYS 1030 OR CHEM 1110/1111 and CHEM 1120/1121.
### East Tennessee State University

**Freshman - Spring Semester**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking/Argumentation</td>
<td>3</td>
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<tr>
<td>SOA 1020</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1110</td>
<td>Family Development</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
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**Sophomore - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2020</td>
<td>The United States Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2220</td>
<td>Consumer Clothing Concerns</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1620</td>
<td>Introduction to Contemporary Interiors</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 2100</td>
<td>Orientation to the Profession of Education</td>
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</tr>
<tr>
<td>EDFN 2300</td>
<td>Foundations of Teaching</td>
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<tr>
<td>AHSC 2205</td>
<td>Principles of Clothing</td>
<td>4</td>
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**Sophomore - Spring Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 2330</td>
<td>World Literature</td>
<td>3</td>
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<tr>
<td>PSYC 1310</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2110</td>
<td>Infant/Toddler/Child Development</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1621</td>
<td>Communication: Studio I</td>
<td>3</td>
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<tr>
<td>HDAL 2330</td>
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**Junior - Fall Semester**

<table>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>AHSC 3220</td>
<td>Textiles I</td>
<td>3</td>
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<tr>
<td>MATH 1530, 1820, 1840, or 1910</td>
<td>3</td>
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<tr>
<td>HUM 1320</td>
<td>or PHED 3000</td>
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<tr>
<td>AHSC 2420</td>
<td>Principles of Nutrition</td>
<td>3</td>
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<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
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<tr>
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**Junior - Spring Semester**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AHSC 3460</td>
<td>Experimental Food Science</td>
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<tr>
<td>AHSC 3221</td>
<td>Textiles II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2020</td>
<td>or PHIL 2210</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3110</td>
<td>Parent/Child/School Relations</td>
<td>3</td>
</tr>
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<td>HDAL 3310</td>
<td>Educational Psychology</td>
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**Senior - Fall Semester**

<table>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>AHSC 4520</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4330</td>
<td>Management of Family’s Material Resources</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3320</td>
<td>Exceptional Learners</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4717</td>
<td>Vocational FCS Curriculum</td>
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<tr>
<td>MEDA 3570</td>
<td>Educational Technology</td>
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**Senior - Spring Semester**

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<th>Course Title</th>
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<tbody>
<tr>
<td>AHSC 4537</td>
<td>Field Studies</td>
<td>3</td>
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<tr>
<td>AHSC 4547</td>
<td>Corporate Etiquette</td>
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<td>AHSC 4727</td>
<td>Methods for Vocational FCS</td>
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<tr>
<td>READ 4737</td>
<td>Reading Middle/Secondary Schools</td>
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<tr>
<td>HUMANITIES ELECTIVE</td>
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**Fall of Fifth Year**

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<tr>
<td>CUI 4580</td>
<td>Directed Student Teaching</td>
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<td>EDPN 4581</td>
<td>Seminar in Education</td>
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<tr>
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<td><strong>Total</strong></td>
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</table>

### OCCUPATIONAL ENDORSEMENTS

The following areas of endorsements are available:
- Care and Guidance of Children
- Clothing Management, Production, and Services
- Food Management, Production, and Services

#### Care and Guidance of Children

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDAL 3117</td>
<td>Learning Environments</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4537</td>
<td>Field Studies</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4737</td>
<td>Occupational Family and Consumer Sciences Programs</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
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#### Clothing Management, Production, and Services

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHSC 3210</td>
<td>Apparel Quality Analysis</td>
<td>4</td>
</tr>
<tr>
<td>AHSC 4537</td>
<td>Field Studies</td>
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<tr>
<td>AHSC 4737</td>
<td>Occupational Family and Consumer Sciences Programs</td>
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#### Food Management, Production, and Services

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AHSC 4497</td>
<td>Administration of Food Service Organizations</td>
<td>4</td>
</tr>
<tr>
<td>AHSC 4467</td>
<td>Quantity Food Procurement</td>
<td>4</td>
</tr>
<tr>
<td>AHSC 4537</td>
<td>Field Studies</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4737</td>
<td>Occupational Family and Consumer Sciences Programs</td>
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#### General Minor in Family and Consumer Sciences Education

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AHSC 3000</td>
<td>Minimum of nine semester hours of courses</td>
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<tr>
<td>AHSC 3010</td>
<td>At the 3000-4000 level</td>
<td>9</td>
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<tr>
<td>AHSC 3020</td>
<td>Applied Human Science Electives</td>
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</tr>
<tr>
<td></td>
<td><strong>Total Required For Minor</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

### INTERIOR DESIGN CONCENTRATION

Students who complete 56 credit hours in the Interior Design Concentration, earn a B.S. degree, and complete two years of work experience are able to take the interior design licensing examination.

After 27 (and before 36) credit hours of interior design courses have been completed, the students must notify their major advisor that they would like to submit samples of work completed in each interior design course for review before advancement to courses AHSC 3650 and above. The portfolio of samples are to be submitted to the student's major advisor within eight weeks into the semester following completion of the designated credit hours. A committee of three including the student's major advisor will review and evaluate each portfolio. Students whose work shows evidence of ability to succeed in the interior design field may register for upper level courses. Others will be advised of remedies such as additional lower level coursework and re-submission at a later date or alternative concentrations.

**Interior Design Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHSC 1620</td>
<td>Introduction to Contemporary Interiors</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1621</td>
<td>Design Communication: Studio I</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2400</td>
<td>Basic Design (Studio)</td>
<td>3</td>
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<tr>
<td>ARTH 2500</td>
<td>Color Theory (Studio)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2071</td>
<td>Weaving (Studio)</td>
<td>3</td>
</tr>
<tr>
<td>PHED 3310</td>
<td>Textiles II</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3625</td>
<td>Auto Cad for I.D.</td>
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<tr>
<td>ENTC 2410</td>
<td>Construction Fundamentals</td>
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</tr>
<tr>
<td>ENTC 2420</td>
<td>Residential &amp; Commercial Planning</td>
<td>4</td>
</tr>
<tr>
<td>AHSC 2611</td>
<td>Kitchen and Bath Planning</td>
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<td>AHSC 2620</td>
<td>Design for Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2630</td>
<td>Presentation: Studio II</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3610</td>
<td>Historical Interiors</td>
<td>3</td>
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<tr>
<td>ARTH 3110</td>
<td>Art History Survey</td>
<td>3</td>
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<tr>
<td>AHSC 4657</td>
<td>Architectural Study Tour</td>
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<tr>
<td>AHSC 3615</td>
<td>Space Planning: Studio III</td>
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<tr>
<td>AHSC 3621</td>
<td>Residential Design &amp; Housing: Studio III</td>
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<tr>
<td>AHSC 3630</td>
<td>Advanced Lighting</td>
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<td>AHSC 3650</td>
<td>Contract Design</td>
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<tr>
<td>AHSC 4610</td>
<td>Health Care: Studio IV</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4611</td>
<td>Hospitality: Studio V</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4615</td>
<td>Professional Practices in ID</td>
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<td><strong>Total Required</strong></td>
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**Suggested Semester Schedule**

<table>
<thead>
<tr>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman - Fall Semester</td>
<td>AHSC 1620</td>
<td>Introduction to Contemporary Interiors</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ARTH 2400</td>
<td>Basic Design (Studio)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AHSC 1621</td>
<td>Design Communication: Studio I</td>
<td>3</td>
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<tr>
<td></td>
<td>ENGL 1010</td>
<td>Critical Reading/Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SOA 1020</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
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<td><strong>Total</strong></td>
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</table>
Freshman - Spring Semester

AHSC 1621 Design Communication: Studio I ........................................... 3
ENGL 1020 Critical Thinking/Argumentation ........................................... 3
CSCI 1100 Using Informational Technology .............................................. 3
PHED ELECTIVE ..................................................................................... 1
MATH ELECTIVE ..................................................................................... 3
ENTC 2410 Construction Fundamentals .................................................... 4
TOTAL ........................................................................................................ 17

Sophomore - Fall Semester

AHSC 2620 Design for Human Behavior .................................................. 3
PSYC 1310 Introduction to Psychology ..................................................... 3
ARTS & ARTISTIC VISION ...................................................................... 3
HUMANITIES ELECTIVE .......................................................................... 3
ENGL LITERATURE ELECTIVE ................................................................ 3
ELECTIVE .................................................................................................. 3
TOTAL ........................................................................................................ 18

Sophomore - Spring Semester

AHSC 3610 Historical Interiors (odd yrs.) or options .............................. 3
HIST 2020 The United States Since 1877 ................................................. 3
Identity, Ethics Elective ............................................................................. 3
ENTC 2160 Architectural CAD ................................................................. 3
SCIENCE ELECTIVE PORTFOLIO REVIEW - END OF SEMESTER .... 4
TOTAL ........................................................................................................ 16

Junior - Fall Semester

AR TA 1204 Color Theory .......................................................................... 3
AHSC 2630 Presentation Technology: Studio II ...................................... 3
AHSC 1110 Family Development .............................................................. 3
HIST 2010 The United States to 1877 ....................................................... 3
SCIENCE ELECTIVE .................................................................................. 4
TOTAL ........................................................................................................ 16

Junior - Spring Semester

AHSC 3221 Textiles II or AR TA 2170 .......................................................... 3
AHSC 3621 Residential Design & Housing (even years) ......................... 3
AHSC 3611 Kitchen & Bath Planning ...................................................... 3
AHSC 3615 Space Planning: Studio II ...................................................... 3
ENTC 2420 Residential & Commercial Planning .................................... 4
TOTAL ........................................................................................................ 16

Senior - Fall Semester

AHSC 3650 Contract Design .................................................................... 3
AHSC 4610 Health Care: Studio IV .......................................................... 3
AHSC 4615 Professional Practices in Interior Design .............................. 3
AHSC 4520 Senior Seminar ................................................................. 3
ELECTIVE .................................................................................................. 3
TOTAL ........................................................................................................ 15

Senior - Spring Semester

AHSC 4360 Advanced Lighting ................................................................ 3
AHSC 4537 Field Studies ......................................................................... 3
AHSC 4611 Hospitality: Studio V .............................................................. 3
AHSC 4547 Corporate Etiquette .............................................................. 3
ELECTIVE .................................................................................................. 3
TOTAL ........................................................................................................ 15

A minor is not required with the Interior Design Concentration, but it is recommended that electives be selected to meet requirements of a minor. Suggestions for a minor include: Technology, Art, Marketing, or Management. (Consult with the appropriate department chair for further details.)

Interior Design Concentration Minor

AHSC 1620 Introduction to Contemporary Interiors .................................. 3
AHSC 1621 Design Communication: Studio I ......................................... 3
AHSC 2611 Kitchen and Bath Planning .................................................... 3
AHSC 2620 Design for Human Behavior .................................................. 3
AHSC 2630 Presentation: Studio II or ....................................................... 3
AHSC 4240 Visual Merchandising ............................................................ 3
AHSC 3610 Historical Interiors or ............................................................. 3
AHSC 3221 Textiles (II) or ........................................................................ 3
AHSC 4657/5657 Architectural Study Tour .............................................. 3
AHSC 3615 Space Planning ................................................................. 3
Total Credit Hours .................................................................................. 21

MERCHANDISING CONCENTRATION

All students in the merchandising concentration complete the following courses:

Merchandising Concentration Core

Applied Human Sciences Core Requirements ...................................... 21
AHSC 3221 Textiles (II) ................................................................. 3
AHSC 4225 Merchandising Planning and Control .................................. 3
AHSC 4230 Merchandise Buying .......................................................... 3
AHSC 4240 Visual Merchandising ......................................................... 3
AHSC 4250 Advertising and Promotion ............................................... 3
ARTA 1140 3-D Design ................................................................. 3
Total Required for Concentration Core ................................................. 39

Students in the merchandising concentration must choose an emphasis in either apparel or interior merchandising. The apparel merchandising emphasis prepares students for a variety of career options available in the apparel and textile industries, including retail store management, apparel and textile buying, visual merchandising, advertising and promotion, fashion and image consulting, entrepreneurship, etc. The apparel merchandising emphasis requires the merchandising core, the apparel merchandising emphasis courses, and the support block courses.

Apparel Merchandising Emphasis

AHSC 2205 Principles of Clothing .......................................................... 4
AHSC 2220 Consumer Clothing Concerns ............................................ 3
AHSC 3210 Apparel Quality Analysis ..................................................... 4
AHSC 3220 Textile (I) ............................................................................ 3
AHSC 3230 Fashion Fundamentals ......................................................... 3
AHSC 4220 Fashion Merchandising ...................................................... 3
ARTA 1110 2-D Design ........................................................................ 3
Electives ................................................................................................. 5
Total Required for Appetarel Emphasis ................................................. 28
(+21 hr. Support Block)

Suggested Semester Schedule

Freshman - Fall Semester

ENGL 1010 Critical Reading/Expository Writing .................................... 3
SCIENCE*............................................................................................... 4
SOCA 1020 Institutions and Society ...................................................... 3
AHSC 1510 Career Management in AHSC .......................................... 3
AHSC 2220 Consumer Clothing Concentration ................................ 3
TOTAL ...................................................................................................... 16

*Choose BIOL 1010/1011 and BIOL 1020/1021 OR CHEM 1030 and PHYS 1030 OR CHEM 1110/1111 and CHEM 1120/1121

Freshman - Spring Semester

ENGL 1020 Critical Thinking/Argumentation ....................................... 3
SCIENCE* ............................................................................................... 4
AHSC 1110 Family Development .......................................................... 3
PSYC 1310 Introduction to Psychology ................................................ 3
CSCI 1100 Using Informational Technology ........................................ 3
TOTAL ...................................................................................................... 16

Sophomore - Fall Semester

ENGL 2130 American Literature OR ..................................................... 3
ENGL 2210 British Literature OR .......................................................... 3
ENGL 2330 World Literature OR .......................................................... 3
ENGL 2430 European Literature ............................................................ 3
HIST 2010 The United States to 1877 .................................................... 3
MATH 1530, 1820, 1840, OR 1910 ......................................................... 3
ARTA 1110 2-D Design ................................................................. 3
AHSC 2205 Principles of Clothing ......................................................... 3
TOTAL ...................................................................................................... 16

Sophomore - Spring Semester

HIST 2020 The United States Since 1877 ................................................. 3
ARTA 1140 3-D Design .......................................................................... 3
SUPPORT BLOCK .................................................................................. 3
ELECTIVE ................................................................................................. 2-3
PE/MLSC/BAND .................................................................................... 4
TOTAL ...................................................................................................... 16
## Junior - Fall Semester

Select one course from Arts and Artistic Vision ........................................ 3  
**SUPPORT BLOCK** .......................................................................................... 3  
SUPPORT BLOCK .............................................................................................. 3  
AHSC 3220 Textiles (I) ....................................................................................... 3  
AHSC 3230 Fashion Fundamentals .................................................................. 3  
PE/MILSCI/BAND ............................................................................................. 1  
**TOTAL** ......................................................................................................... 16

## Junior - Spring Semester

Select one course from Identity, Ethics, and Social Responsibility ................. 3  
**SUPPORT BLOCK** .......................................................................................... 3  
AHSC 4221 Textiles (II) ...................................................................................... 3  
AHSC 4220 Fashion Merchandising ................................................................. 3  
**HUMANITIES ELECTIVE** ............................................................................. 3  
AHSC 4547 Corporate Etiquette ...................................................................... 3  
**TOTAL** ......................................................................................................... 18

## Senior - Fall Semester

**SUPPORT BLOCK** .......................................................................................... 3  
SUPPORT BLOCK .............................................................................................. 3  
AHSC 4225 Merchandising Planning and Control ............................................ 3  
AHSC 4250 Senior Seminar .............................................................................. 3  
AHSC 4250 Advertising and Promotion .......................................................... 3  
**TOTAL** ......................................................................................................... 15

## Senior - Spring Semester

**SUPPORT BLOCK** .......................................................................................... 3  
AHSC 4230 Merchandise Buying ...................................................................... 3  
AHSC 4240 Visual Merchandising ................................................................. 3  
AHSC 4260 Merchandising Seminar ............................................................... 3  
AHSC 4261 Merchandising Internship .............................................................. 3  
**TOTAL** ......................................................................................................... 15

Apparel merchandising emphasis students are required to take 21 hours in support courses. These support courses can be chosen from a marketing block, art block, or communication block, depending on the student's career objective. Students are encouraged to discuss their choice with their advisor. The following courses are required in each block of support courses:

### Marketing Block

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2210</td>
<td>Principles of Economics (I)</td>
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</tr>
<tr>
<td>ECON 2220</td>
<td>Principles of Economics (II)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2010</td>
<td>Principles of Accounting (I)</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3200</td>
<td>Principles of Marketing</td>
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<tr>
<td>MKTG 3202</td>
<td>Consumer Behavior</td>
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<tr>
<td>MKTG 3310</td>
<td>Business Logistics</td>
<td>3</td>
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<tr>
<td>MKTG 3740</td>
<td>Sales Force Management</td>
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</table>

**Total Support Block Required** ......................................................... 21

### Art Block

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTA 1204</td>
<td>Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 2120</td>
<td>Basic Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 2220</td>
<td>Basic Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

*ARTA Electives* ........................................................................................................ 3  

**Total Support Block Required** ......................................................... 12

*Four courses in an art concentration (photography, illustration, fiber) must be approved by the chair of the Department of Art and Design and the AHSC advisor prior to enrollment.

### Communications Block

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCOM 1030</td>
<td>Introduction to Mass Communication</td>
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</tr>
</tbody>
</table>

**MCOM Electives** .......................................................................................... 18  

**Total Support Block Required** ......................................................... 21

**Six courses in mass communications concentration (advertising, journalism, public relations) selected in consultation with the Department of Communication chair and the AHSC advisor and formally approved by the mass communications faculty, are required. Approval for the total of 21 semester hours must be obtained before 15 hours of coursework in mass communications have been completed.

### Apparel Merchandising Concentration Minor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHSC 2220</td>
<td>Consumer Clothing Concerns</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3220</td>
<td>Textiles (I)</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3230</td>
<td>Fashion Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 4220</td>
<td>Fashion Merchandising</td>
<td>3</td>
</tr>
</tbody>
</table>

*AHSC Electives*(at 3000-4000 level) ........................................................................ 9  

**Total Required For Minor** ......................................................... 21

*Suggested electives include:

- AHSC 3221 Textiles (II)
- AHSC 4225 Merchandising Planning & Control
- AHSC 4230 Merchandise Buying
- AHSC 4250 Fashion Advertising and Promotion
- AHSC 4257 Merchandising Study Tour of New York City
- AHSC 4260 Merchandising Seminar
- ASHC 4261 Merchandising Internship

However, electives may be selected from any of the Apparel Merchandising courses, provided the prerequisites have been met.

The interiors merchandising emphasis prepares a student for a variety of careers in retail store management, sales representation, furniture, equipment, and lighting, visual merchandising, etc. The interiors merchandising emphasis requires the merchandising core, the interiors merchandising emphasis courses, and the support block courses.

### Interiors Merchandising Emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHSC 1620</td>
<td>Introduction to Contemporary Interiors</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1621</td>
<td>Design Communications: Studio I</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2611</td>
<td>Kitchen and Bath Planning</td>
<td>3</td>
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<td>AHSC 2620</td>
<td>Design for Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2630</td>
<td>Presentation: Studio II</td>
<td>3</td>
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<tr>
<td>AHSC 3610</td>
<td>Historical Interiors</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 3621</td>
<td>Residential Design and Housing</td>
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<tr>
<td>AHSC 4260</td>
<td>Merchandising Seminar</td>
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</table>

**Electives** ........................................................................................................ 4  

**Total Required for Interiors Emphasis** ......................................................... 28  

(*21 hr. Support Block)

### Suggested Semester Schedule

#### Freshman - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading/Expository Writing</td>
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</tr>
<tr>
<td>SOA 1020</td>
<td>Introduction to Sociology</td>
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</tr>
<tr>
<td>AHSC 1510</td>
<td>Introduction to Contemporary Interiors</td>
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</table>

**TOTAL** ......................................................................................................... 16

*Choose BISC 1010/1011 and BISC 1020/1021 OR CHEM 1030 and PHYS 1030 OR CHEM 1110/1111 and CHEM 1120/1121

#### Freshman - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking/Argumentation</td>
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<tr>
<td>AHSC 1110</td>
<td>Family Development</td>
<td>3</td>
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<tr>
<td>PSYC 1130</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
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**TOTAL** ......................................................................................................... 16

#### Sophomore - Fall Semester

<table>
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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 2130</td>
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<tr>
<td>ENGL 2210</td>
<td>British Literature OR</td>
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<td>World Literature OR</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4230</td>
<td>European Literature</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530, 1820, 1840, or 1910</td>
<td></td>
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</tr>
<tr>
<td>AHSC 2620</td>
<td>Design for Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 2630</td>
<td>Presentation Technology</td>
<td>3</td>
</tr>
<tr>
<td>AHSC 1621</td>
<td>Design Communications Studio I</td>
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</tbody>
</table>

**TOTAL** ......................................................................................................... 18

#### Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>HIST 2020</td>
<td>The United States Since 1877</td>
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</tr>
<tr>
<td>ARTA 1140</td>
<td>3-D Design</td>
<td>3</td>
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<tr>
<td><strong>MARKETING BLOCK</strong></td>
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<tr>
<td>ELECTIVE</td>
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<tr>
<td>AHSC 2611</td>
<td>Kitchen and Bath Planning</td>
<td>2-3</td>
</tr>
<tr>
<td>PE/MILSCI/BAND</td>
<td></td>
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</tr>
</tbody>
</table>

**TOTAL** ......................................................................................................... 15-16

#### Junior - Fall Semester

Select one course from Arts and Artistic Vision ........................................ 3  
**MARKETING BLOCK** ............................................................................... 3  
AHSC 3621 Residential Design & Housing .............................................. 3  
PE/MILSCI/BAND ....................................................................................... 1  
**ELECTIVE** .............................................................................................. 2-3  

**TOTAL** ......................................................................................................... 15-16
Science Accreditation Commission (CSAC) of the Computer Science Concentration.

Graduate study in applied areas of computer science.

The IT concentration is for students who wish to enter the field of software systems analysis and development in an application area such as management science or information science. Majors may choose a minor, however, it is not required.

Information Technology (IT) Concentration

The IT concentration is for students who wish to enter the field of web development, database and network management, and for those who plan graduate study in applied areas of computer science.

Grade Requirements

In order to graduate, a computer and information sciences major must attain:
1. an overall GPA of 2.5 or better; and
2. a GPA of 2.5 or better in all computer and information science courses; and
3. a grade of ‘C’ or better in all major requirements. This includes both common core and concentration specific courses, but not natural sciences and
4. a minimum grade of ‘C’ in English 1010 and 1020.

All concentrations must complete 128 credit hours, including the ETSU General Education Requirements, the Computer and Information Sciences Core, and the Concentration Specific Courses.

MAJOR REQUIREMENTS

Common Core: All CSCI Concentrations ............... (31 credits)
CSCI 1510 Student in University*...............................3
CSCI 2150 Computer Organization ..........................4
CSCI 3220 Introduction to Database Systems ..........3
CSCI 3250 Software Engineering I .........................3
CSCI 3350 Software Engineering II .......................3
CSCI 3400 Network Fundamentals .........................3

Natural Science Sequence
Two courses of same science sequence ...................8
(See list at end of section for approved courses)
MATH 1530 Probability & Statistics ..........................3
MATH 1531 Statistical Computing ...........................1

*For 1st semester freshman only. If not taken or passed, another approved CSCI elective must be taken in its place.

Computer Science Concentration ......................... (56 credits)
CSCI 1250 Introduction to Computer Science I ..........4
CSCI 1260 Introduction to Computer Science II .........4
CSCI 2160 Assembly Language ...............................4
CSCI 2210 Data Structures .....................................4
CSCI 2230 File Processing ......................................4
CSCI 4717 Computer Architecture ............................3
CSCI 4727 Operating Systems ................................3
Four major electives ............................................12
(See Computer Science Elective Categories; must include at least one course from category A and at least one course from either category B or category C; required courses may not count as electives.)
MATH 1910 Calculus I ..........................................4
MATH 1920 Calculus II ..........................................4
MATH 2010 Linear Algebra ....................................3
MATH 2710 Discrete Structures ..............................3

Additional Science Credits
(See list at end of section for approved courses) ..........4

Suggested Course Sequence for Computer Science Concentration

Freshman - Fall Semester
CSCI 1100 Using Information Technology ................3
CSCI 1510 Student in University ............................3
CSCI 1250 Introduction to Computer Science I .......4
ENGL 1010 Critical Reading & Expository Writing ...3
MATH 1910 Calculus I ...........................................4
PHED 10XX Fitness Activity ..................................1
Total .................................................................18

Freshman - Spring Semester
CSCI 1260 Introduction to Computer Science II ........4
CSCI 2150 Computer Organization .........................4
MATH 1920 Calculus II ........................................4
ENGL 1020 Critical Thinking & Argumentation ...3
PHED 20XX Lifetime Activity ..............................1
Total .................................................................16

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### Sophomore - Fall Semester
- **CSCI 2210 Data Structures** ........................................... 4
- **CSCI 2160 Assembly Language Program** ....................... 4
- **MATH 2710 Discrete Structure** ........................................ 3
- **HIST 2010 The United States to 1877** ......................... 3
- **Identity, Ethics & Social Responsibility** ......................... 3

**TOTAL** ............................................................................... 17

### Sophomore - Spring Semester
- **CSCI 2230 File Processing** ........................................... 4
- **CSCI 3400 Network Fundamentals** .................................... 3
- **HIST 2020 The United States Since 1877** ....................... 3
- **MATH 1530 Probability and Statistics** ............................. 3
- **MATH 1531 Statistical Computing** .................................... 1

**HERITAGE OPTION** .......................................................... 3

**TOTAL** ............................................................................... 17

### Junior - Fall Semester
- **CSCI 3220 Introduction to Database Systems** .................... 3
- **CSCI 3250 Software Engineering I** .................................... 3
- **MATH 2010 Linear Algebra** ............................................ 3
- **NATURAL SCIENCE** .......................................................... 4
- **Institutions & Society** ....................................................... 3

**TOTAL** ............................................................................... 16

### Junior - Spring Semester
- **CSCI 3350 Software Engineering II** .................................. 3
- **CSCI MAJOR ELECTIVE** ................................................... 3
- **NATURAL SCIENCE** .......................................................... 4
- **Institutions & Society** ....................................................... 3

**TOTAL** ............................................................................... 16

### Senior - Fall Semester
- **CSCI 4717 Computer Architecture** .................................. 3
- **CSCI MAJOR ELECTIVE** ................................................... 3
- **CSCI MAJOR ELECTIVE** ................................................... 3
- **NATURAL SCIENCE** .......................................................... 4
- **FREE ELECTIVE** .............................................................. 1-3

**TOTAL** ............................................................................... 16

### Senior - Spring Semester
- **CSCI 4727 Operating Systems** ........................................ 3
- **CSCI MAJOR ELECTIVE** ................................................... 3
- **HUMANITIES OPTION** ..................................................... 3
- **FREE ELECTIVE** .............................................................. 3
- **FREE ELECTIVE** .............................................................. 1-3

**TOTAL** ............................................................................... 13-15

Total Credit Hours for B.S. in Computer Science Concentration: 128-130

### Information Systems Science Concentration
- **CSCI 1250 Introduction to Computer Science I** ............... 4
- **CSCI 1260 Introduction to Computer Science II** ............... 4
- **CSCI 1710 WWW - Design & Creation** ............................ 3
- **CSCI 2210 Data Structures** ............................................ 4
- **CSCI 2235 Introduction to Database Systems** ................. 3
- **CSCI 2910 Client & Server Side Programming** ............... 4
- **CSCI 4227 Advanced Database Systems** ......................... 3
- **CSCI 4417 System Administration** ................................... 3

Two CSCI major electives* .................................................... 6

*Must include at least one course from Category A. You may not count required courses as electives.

### Other major requirements .............................................. (28-29 credits)
- **MATH 1840 Analytical Geometry & Differential Calculus**
- **or**
- **MATH 1910 Calculus I** ..................................................... 3-4
- **MATH 2710 Discrete Structures** ....................................... 3

### Information Systems Emphasis ....................................... (18 credits)

Complete one of the following five emphases:

#### Accounting Emphasis
- **ACCT 2010 Principles of Accounting I** ......................... 3
- **ACCT 2020 Principles of Accounting II** ......................... 3
- **ACCT 3010 Financial Accounting I** ............................... 3
- **ACCT 3020 Financial Accounting II** ............................. 3
- **ACCT 3110 Management Accountancy** ......................... 3
- **ACCT 4310 Accounting Information** .............................. 3

#### Criminal Justice & Criminology Emphasis
- **CJCR 1100 Introduction to Criminal Justice** ................. 3
- **CJCR 2540 Criminal Law** ............................................. 3
- **CJCR 3310 Criminology** .............................................. 3
- **Three approved CJCR electives** .................................... 9

#### Management Emphasis
- **ECON 2210 Principles of Economics** ........................... 3
- **ACCT 2010 Principles of Accounting I** ......................... 3
- **MGMT 3000 Organizational Behavior and Management** .... 3
- **MGMT 4010 Advanced Organizational Behavior** ............. 3
- **MGMT 4020 Organizational Theory and Development** ...... 3
- **One approved MGMT elective** .................................... 3

#### Geography, Geology & Geomatics Emphasis
- **GEOG 1012 Introduction to Cultural Geography** ............. 3
- **GEOG 1110 Earth Science: Weather and Climate OR** .... 3
- **GEOG 1120 Earth Science: Landforms and Processes** ...... 4
- **GEOG 4217 Geographic Information Systems** ............... 3
- **GEOG 4317 Advanced Geographic Information Systems** ... 3
- **and three courses selected from the following:**
  - **GEOG 3210 Cartography** ........................................... 3
  - **GEOG 4017 Advanced Cartography** .............................. 3
  - **GEOG 4107 Urban Geography and Planning** ................ 3
  - **GEOG 4117 Resource Management** ............................. 3
  - **GEOG 4227 Remote Sensing** ...................................... 3
  - **GEOG 4237 Advanced Remote Sensing** ....................... 3

#### Urban and Regional Studies Emphasis
- **ECON 1050 Economics and Society** ............................. 3
- **SOAA 3150 Urbanization** .......................................... 3
- **ECON 4447 Urban and Regional Economics** ................. 3
- **URBS 3100 Introduction to Urban/Regional Planning** ....... 3
- **Urban and Regional Studies Emphasis** .......................... 3
- **and three courses selected from the following:**
  - **GEOG 3210 Cartography** ........................................... 3
  - **GEOG 4017 Advanced Cartography** .............................. 3
  - **GEOG 4107 Urban Geography and Planning** ................ 3
  - **GEOG 4117 Resource Management** ............................. 3
  - **GEOG 4227 Remote Sensing** ...................................... 3
  - **GEOG 4237 Advanced Remote Sensing** ....................... 3

*May be taken as part of General Education Core Requirements.

### Suggested Course Sequence for Information Systems Science Concentration

#### Freshman - Fall Semester
- **CSCI 1100 Using Information Technology** .................... 3
- **CSCI 1510 Student in University** .................................. 3
- **CSCI 1250 Introduction to Computer Science I** ............... 4
- **ENGL 1010 Critical Reading & Expository Writing** ........ 3
- **MATH 1840 Analytical Geometry & Integral Calculus OR** ... 3-4
- **PHED 1XXX Fitness Activity** ......................................... 1

**TOTAL** ............................................................................... 17-18

#### Freshman - Spring Semester
- **CSCI 1260 Introduction to Computer Science II** ............... 4
- **CSCI 2150 Computer Organization** ................................ 4
- **ENGL 1020 Critical Reading & Expository Writing** ........ 3
- **MATH 1530 Probability and Statistics** ............................. 3
- **MATH 1531 Statistical Computing** ................................... 1
- **PHED 3XXX Lifetime Activity** ....................................... 1

**TOTAL** ............................................................................... 16

#### Sophomore - Fall Semester
- **CSCI 2210 Data Structures** ........................................... 4
- **CSCI 1710 World Wide Web - Design** ............................ 3
- **MATH 2710 Discrete Structure** ....................................... 3
- **HIST 2010 The United States to 1877** ......................... 3
- **Identity, Ethics, Social Responsibility** ............................. 3

**TOTAL** ............................................................................... 16
Sophomore - Spring Semester

CSCI 2235 Introduction to UNIX .................................................. 1
CSCI 3490 Network Fundamentals .................................................. 3
CSCI 2910 Client & Server Side Programming .................................. 3
HIST 2020 U.S. Since 1877 ............................................................ 3
Institutions and Society ................................................................. 3
Heritage (Literature) ........................................................................ 3
TOTAL .......................................................................................... 16

Junior - Fall Semester

CSCI 3220 Introduction to Database Systems .................................... 3
CSCI 3250 Software Engineering I .................................................. 3
Natural Science (first of 2-semester sequence) .................................. 4
Arts and Artistic Vision .................................................................. 3
Course from Information Systems Area of Emphasis .......................... 3
TOTAL .......................................................................................... 16

Junior - Spring Semester

CSCI 3350 Software Engineering II ................................................ 3
CSCI 4227 Advanced Database Systems ......................................... 3
Natural Science (second of 2-semester sequence) ............................... 4
Institutions & Society ....................................................................... 3
Course from Information Systems Area of Emphasis .......................... 3
TOTAL .......................................................................................... 16

Senior - Fall Semester

CSCI 4417 System Administration .................................................... 3
CSCI major elective .......................................................................... 3
Course from Information Systems Area of Emphasis .......................... 3
Course from Information Systems Area of Emphasis .......................... 3
Free elective ...................................................................................... 3
TOTAL .......................................................................................... 15

Senior - Spring Semester

CSCI major elective .......................................................................... 3
Humanities elective ......................................................................... 3
Course from Information Systems Area of Emphasis .......................... 3
Course from Information Systems Area of Emphasis .......................... 3
Free elective ...................................................................................... 3
TOTAL .......................................................................................... 15

Total Credit hours for Information Systems Science Concentration ...... 128

Information Technology Concentration ................................... (40 credits)

CSCI 1710 World Wide Web – Design and Creation .......................... 3
CSCI 1800 Visual Programming Design with Applications .................. 3
CSCI 2235 Intro to Unix .................................................................... 1
CSCI 2800 Visual Programming – Advanced Concepts ....................... 4
CSCI 2910 Client and Server Side Program ....................................... 4
CSCI 4417 System Administration .................................................... 3
CSCI 4227 Advanced Database Systems ......................................... 3
CSCI 4217 Ethical Issues in Computing ............................................. 3
CSCI 4800 Senior Project in Information Technology ......................... 3
Four major electives ......................................................................... 12
\(^\)See Computer Science Elective Categories; must include at least one course from category C and at least 6 hours at the 3000/4000 level; required courses may not count as electives.

MATH 2870 Statistical Data Analysis ............................................... 3

Suggested Course Sequence for Information Technology Concentration

Freshman - Fall Semester

CSCI 1100 Using Information Technology ....................................... 3
CSCI 1510 Student in University ....................................................... 3
CSCI 1710 WWW Design and Creation ............................................ 3
ENGL 1010 Critical Reading & Expository Writing ............................ 3
MATH 1530 Probability and Statistics .............................................. 3
MATH 1531 Statistical Computing .................................................... 1
PHED 1XXX Fitness Activity ............................................................ 1
TOTAL .......................................................................................... 17

Freshman - Spring Semester

CSCI 1800 Visual Program Design .................................................... 3
MATH 2870 Statistical Data Analysis ............................................... 3
ENGL 1020 Critical Thinking & Argumentation ................................. 3
Arts & Artistic Vision ....................................................................... 3
Institutions & Society ....................................................................... 3
PHED 2XXX Lifetime Activity ........................................................ 1
TOTAL .......................................................................................... 16
This department offers degrees in Geography and Surveying and Mapping Science. There are four different program concentrations within Geography. Geography is a multiple character discipline that embraces physical science, social science and technology. Geographic inquiry is concerned with the spatial aspects and interrelationships within the earth’s human and physical environments.

The Department of Geography, Geology, and Geomatics offers a major in geography leading to the bachelor of science degree. A geography major will provide a student with an appropriate preparation to enter such professional areas as: location analysis, landscape analysis, cartography, remote sensing, government service, environmental intelligence, and elementary and secondary education. Coursework in geographic techniques (airphoto and map interpretation, cartography and remote sensing) also is of significant value to persons majoring in many related disciplines. The department major concentrations are in geography, geography education 7-12 (education licensure), and resource management (applied physical geography). The department also offers a bachelor’s degree program in surveying and mapping science.

A geology concentration of 53 semester hours has been established within the existing academic degree (B.S.) program in Geography. No minor is required for this concentration. All other concentrations in Geography require a minor.

The bachelor’s degree program in Surveying and Mapping Science is accredited by the Applied Science Accreditation Commission of the Accrediting Board for Engineering and Technology (ABET). It is one of the top programs in this discipline offered nationwide.

Minor

A minor in geography consists of a minimum of 20 semester hours of study (nine of which must be upper division courses). Lower division course requirements include: GEOG 1110 or 1120 and GEOG 1012 or 1013. Consult with departmental advisor.

Transfer Students

The department will approve a major program in geography only after 10 hours have been completed at the university with at least a ‘C’ average. Courses in geography taken at another institution shall count toward a major or minor only if they directly parallel courses offered by this department.

**BACHELOR OF SCIENCE DEGREE IN GEOGRAPHY**

**Major** - A student majoring in geography must complete a minimum of 30 semester hours in geography.

**Major Requirements:**

- GEOG 1110 Earth SC: Weather/Climate .................................................. 4
- GEOG 1120 Earth SC: Landforms/Processes ............................................ 4
- GEOG 1012 Introduction to Cultural Geography ...................................... 3
- GEOG 1013 Introduction to World Regional Geography .......................... 3
- GEOG 1510 Student in University OR GEOG 1013 Introduction to World Regional Geography .......... 3
- ENTC 1510 Student in University ............................................................. 3
- ENGL 2210 Modern Geographic Concepts .............................................. 3
- GEOG 3210 Cartography .......................................................................... 3
- GEOG 4007 Geography of the United States ........................................... 3
- GEOG 2000 to 4000 level courses(s) ............................................................ 4

**Total: ........................................................................................................... 30**

**General Education .................................................................................. 44 Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010 Critical Reading/Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530 Probability &amp; Statistics - Non-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100 Using Information Technology</td>
<td>3*</td>
</tr>
</tbody>
</table>

**SCIENCE - Select two courses [can be Geography 1110 and 1120] in the Areas of Familiarity**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2010 The United States to 1877 ..........</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2020 The United States Since 1877 ......</td>
<td>3</td>
</tr>
</tbody>
</table>

**Plus one of the ENGL courses listed under Heritage**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010 Critical Reading/Expository Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one course from Arts and the Artistic Vision**

**Select one course from Identity, Ethics & Social Responsibility**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Include GEOG 1012 with one other course from Institutions and Society</td>
<td>6</td>
</tr>
</tbody>
</table>

**Select one unduplicated course from the Humanities**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective section ..................................</td>
<td>3</td>
</tr>
</tbody>
</table>

*Can be completed by passing the challenge exam

**Intensive Courses** - Students who enter ETSU as freshmen or with less than 60 transfer hours must take: two oral communication-intensive courses, of which one must be in the major; one using information technology-intensive course in the major; four writing-intensive courses. At least two of these must be in the major; at least two must be at the 3000-4000 level.

**Elective section:.................................................................................. 3**

**Physical Education ............................................................................... 2**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two courses, one being from the fitness activity category and one from the lifetime activities category.</td>
<td>2</td>
</tr>
</tbody>
</table>

**Suggested Course Sequence for Majors in Geography with a Concentration in Geography**

**Freshman - First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1510 Student in University ............</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1110 Earth SC: Weather/Climate .......</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010 Critical Reading/Expository Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total: ................................................................. 17**

**Freshman - Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>HIST 2010 The United States to 1877 ..........</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1120 Earth SC: Landforms/Processes ..........</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530 Probability &amp; Statistics - Non-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1012 Introduction to Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education ..................................</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total: ................................................................. 17**

**Sophomore - First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2020 The United States Since 1877 ......</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1120 Earth SC: Landforms/Processes ..........</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>Arts and Artistic Vision Elective ...</td>
<td>3</td>
</tr>
<tr>
<td>Institutions and Society Elective ...</td>
<td>3</td>
</tr>
<tr>
<td>Elective course in major ...............</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**Total: ................................................................. 15-17**
Sophomore - Second Semester
GEOG 1013 Introduction to World Regional Geography .................. 3
GEOG 2210 Modern Geography Concepts ................................... 3
Minor ........................................................................................................ 3-4
Identity, Ethics, & Social Responsibility .................................................. 3
Free Electives ................................................................................................. 3
TOTAL ........................................................................................................... 16-17

Junior - First Semester
GEOG 3210 Cartography ........................................................................ 3
Minor ............................................................................................................. 3
Humanities Elective ....................................................................................... 3
Free Electives ................................................................................................. 3
Elective course in major ............................................................................... 3
TOTAL ........................................................................................................... 15

Junior - Second Semester
GEOG 4007 Geography of the United States ........................................ 3
Minor ............................................................................................................. 3
Free Electives ................................................................................................. 3
TOTAL ........................................................................................................... 16

Senior - First Semester
Minor ............................................................................................................. 3-4
Required electives in major ....................................................................... 4
Free Electives ................................................................................................. 8
TOTAL ............................................................................................................. 15-16

Senior - Second Semester
Minor ............................................................................................................. 3-4
Elective courses in major ........................................................................... 3
Free Electives ................................................................................................. 3
TOTAL ............................................................................................................. 15-16

NOTE: Students who choose a minor in geology will find that most of these courses carry four semester hours of credit.

Resource Management Concentration

This concentration provides preparation for careers pertaining to resource management in both the private and public sectors. A minor is required with this concentration and Biology is recommended.

Geography Requirements and General Education Requirements .................... 61

Other Geography Requirements ............................................................ 26
GEOG 3040 Conservation of Natural Resources .................................... 3
GEOG 3060 Geomorphology .................................................................... 4
GEOG 3090 Meteorology & Climatology ............................................... 4
URBS 3100 Introduction to Urban & Regional Planning ....................... 3
GEOG 4117 Resource Management ....................................................... 3
GEOG 4217 Geographic Information Systems ...................................... 3
GEOG 4227 Remote Sensing ................................................................... 3
GEOG 4237 Advanced Remote Sensing .................................................. 3

Additional Requirements ........................................................................ 25
CSCI 1250 Introduction to Computer Science ........................................ 4
ACCT 2010 Principles of Accounting I ..................................................... 3
ACCT 2020 Principles of Accounting II ...................................................... 3
SPCH 2300 Public Speaking ..................................................................... 3
PSCI 2610 Introduction to Public Administration .................................... 3
MGMT 3000 Organizational Management .............................................. 3
FNCE 3120 Principles of Real Estate ........................................................ 3
URBS 4637 Local & Regional Planning ..................................................... 3

Requirements for minor [Biology] ............................................................. 24
Total Concentration Credit Hour Requirements ..................................... 136

Suggested Course Sequence for Majors in Geography
with a Resource Management Concentration

Freshman - First Semester
GEOG 1510 Student in University ............................................................ 3
GEOG 1110 Earth SC: Weather/Climate .................................................. 4
BIOL 1110/1111 Biology for Science Majors I .......................................... 3
ENGL 1010 Critical Reading/Expository Writing ................................... 3
CSCI 1100 Using Information Technology ................................................. 3
Physical Education ..................................................................................... 1
TOTAL ......................................................................................................... 18

Freshman - Second Semester
ENGL 1020 Critical Thinking/Argumentation ...................................... 3
GEOG 1120 Earth SC:Landforms & Procs ................................................. 4
BIOL 1120/1121 Biology for Science Majors II ......................................... 4
MATH 1530 Probability & Statistics - Non-Calculus ............................... 3
GEOG 1012 Introduction to Cultural Geography ..................................... 3
TOTAL ......................................................................................................... 17

Sophomore - First Semester
BIOL 1130/1131 Biology for Science Majors III ..................................... 4
CSCI 1250 Introduction to Computer Science .......................................... 4
ACCT 2010 Principles of Accounting I ..................................................... 3
HIST 2010 The United States to 1877 ..................................................... 3
GEOG 1013 Introduction to World Regional Geography ....................... 3
TOTAL ......................................................................................................... 17

Sophomore - Second Semester
GEOG 2210 Modern Geography Concepts .......................................... 3
GEOG 3210 Cartography ........................................................................ 3
ACCT 2020 Principles of Accounting II ................................................... 3
HIST 2020 The United States Since 1877 ................................................. 3
PSCI 2610 Introduction to Public Administration .................................... 3
Physical Education ..................................................................................... 1
TOTAL ......................................................................................................... 16

Junior - First Semester
BIOL 3100 General Genetics ................................................................. 3
GEOG 4217 Geographic Information Systems ...................................... 3
MGMT 3000 Organizational Management .............................................. 3
URBS 3100 Intro-Urban & Regional Planning ........................................ 3
GEOG 3060 Geomorphology .................................................................... 4
TOTAL ......................................................................................................... 16

Junior - Second Semester
BIOL Elective .......................................................................................... 3
GEOG 4227 Remote Sensing ................................................................... 3
GEOG 3090 Meteorology & Climate ....................................................... 4
FNCE 3120 Principles of Real Estate ........................................................ 3
SPCH 2300 Public Speaking ..................................................................... 3
TOTAL ......................................................................................................... 16

Senior - First Semester
BIOL Elective .......................................................................................... 3
GEOG Elective .......................................................................................... 3
GEOG 4117 Resource Management ....................................................... 3
GEOG 4237 Advanced Remote Sensing .................................................. 3
Arts & Artistic Vision Institutions & Society ....................................... 3

Senior - Second Semester
BIOL Elective .......................................................................................... 3
GEOG 3040 Conservation of Natural Resources .................................... 3
URBS 4637 Local & Regional Planning ..................................................... 3
Identity, Ethics & Social Responsibility ..................................................... 3
Humanities Elective .................................................................................... 3

TOTAL ......................................................................................................... 18

NOTE: Students who anticipate working part time or full time should reduce their class loads accordingly. Students should also realize that biology is a recommended minor, and that other minors could be selected.

Geography Education Concentration

This concentration is designed for students who are pursuing a teacher education program for certification as a geography teacher in grades 7-12.

Geography Requirements ................................................................. 35
GEOG 1110 Earth SC: Weather/Climate .................................................. 4
GEOG 1120 Earth SC: Landforms/Procs .................................................. 4
GEOG 1012 Intro. to Cultural Geography ............................................... 3
GEOG 1013 Intro. to World Regional Geography ................................... 3
GEOG 2210 Modern Geographic Concepts .......................................... 3
GEOG 3010 Economic Geography ........................................................ 3

Total: 26
**Teacher Education**

Students interested in pursuing a teacher education program for certification as a geography teacher in grades 7-12 are advised to see a department advisor or the professional advisor in the Office of Student Services, 321 Warf-Pickel, College of Education. Students should be aware that admission to the university does not mean that one is admitted to Teacher Education. Students would be advised to read the requirements for admission to Teacher Education in the College of Education section of the undergraduate catalog, and to seek further information from that college's advisor about when one should apply for admission.

### Suggested Course Sequence for Majors with a Concentration in Geography Education

#### Freshman - First Semester
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading/Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1110</td>
<td>Earth SC: Weather/Climate</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1530</td>
<td>Probability &amp; Statistics-Non-Calculus</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
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</tr>
<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
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</tr>
<tr>
<td>MATH 1530</td>
<td>Probability &amp; Statistics-Non-Calculus</td>
<td>3</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
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<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
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<tr>
<td>EDFN 3301</td>
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<td>3</td>
</tr>
<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
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__TOTAL__ ............................................. 17

#### Freshman - Second Semester
<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking/Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1120</td>
<td>Earth SC:Landforms/Proc</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 2100</td>
<td>Orientation to the Profession of Education</td>
<td>1</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOAS 1240</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
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</table>

__TOTAL__ ............................................. 18

#### Sophomore - First Semester
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
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</tr>
<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
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<tr>
<td>GEOG 1040</td>
<td>Physical Geology</td>
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<tr>
<td>ENGL 2330</td>
<td>World Literature</td>
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__TOTAL__ ............................................. 16

#### Sophomore - Second Semester
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
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<tr>
<td>GEOG 4007</td>
<td>Geography of the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
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__TOTAL__ ............................................. 18

#### Junior - First Semester
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<tbody>
<tr>
<td>HDAL 3310</td>
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<tr>
<td>EDFN 4581</td>
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__TOTAL__ ............................................. 11

#### Junior - Second Semester
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<tbody>
<tr>
<td>GEOG 3210</td>
<td>Cartography</td>
<td>3</td>
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<tr>
<td>GEOG 4007</td>
<td>Geography of the United States</td>
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<td>PSCH 1110</td>
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#### Junior - Third Semester
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<td>EDFN 4581</td>
<td>Seminar in Education</td>
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</table>

__TOTAL__ ............................................. 12-17

* Students may choose another designated class.

### Total Concentration Credit Hour Requirements ............................................. 144-149

### Geology Concentration

The concentration in Geology is the study of earth, its materials, processes, and development through time. The science of geology involves the application of knowledge about the earth's physical system to the modern problems of minerals, fuels and energy, engineering, and the physical hazards of the environment. Geologists work with fossils and rocks to interpret the past and look to astronomy and space science in seeking answers about the origins of our planet. The study of geology provides the student with a practical and aesthetic appreciation of our planet and may be directed toward a vocation as a professional geologist or employment in one of the many associated areas.

#### Core Geography Requirements
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<thead>
<tr>
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<td>GEOG 1110</td>
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<tr>
<td>GEOG 1120</td>
<td>Earth SC: Landforms/Proc</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 1012</td>
<td>Intro. to Cultural Geography</td>
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</tr>
<tr>
<td>GEOG 1013</td>
<td>Intro. to World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1510</td>
<td>Student in University</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 1510</td>
<td>Student in University</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 2210</td>
<td>Modern Geographic Concepts</td>
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<tr>
<td>GEOG 3210</td>
<td>Cartography</td>
<td>3</td>
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<tr>
<td>GEOG 4007</td>
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__Total__ ............................................. 26

#### Additional Geology Requirements
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<td>GEOL 1050</td>
<td>Historical Geology</td>
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<tr>
<td>GEOL 3111</td>
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</tr>
<tr>
<td>GEOL 3112</td>
<td>Mineralogy II</td>
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</table>

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Suggested Course Sequence for Majors in Geography with a Geology Concentration

**Freshman - First Semester**

- ENGL 1010 Critical Reading/Expository Writing .............................................. 3
- GEOG 1510 Student in University ......................................................................... 3
- GEOG 1040 Physical Geology ........................................................................... 4
- CHEM 1110 General Chemistry I ....................................................................... 4
- CHEM 1111 General Chemistry I Lab .......................................................... 1
- PHED, MSCI, or Band ......................................................................................... 1

**Freshman - Second Semester**

- PHYS 2110 Technical Physics I ........................................................................... 5
- GEOG 1120 Earth Science I: Landforms and Processes .................................. 4
- GEOL 1040 Physical Geology ........................................................................... 4
- CHEM 1110 General Chemistry I ....................................................................... 4
- CHEM 1112 General Chemistry II Lab .......................................................... 1
- Arts and Artistic Vision elective ......................................................................... 3
- PHED, MSCI, or Band ......................................................................................... 1

**Sophomore - First Semester**

- PHYS 2120 Technical Physics II ........................................................................... 5
- ENGL 2020 Critical Thinking/Argumentation .................................................... 3
- GEOG 4007 Geography of the United States .................................................. 3
- BIOL 1110 Biology for Majors I ......................................................................... 3
- BIOL 1112 Biology for Majors I Lab ................................................................... 1
- ENGL 2050 Introduction to Literature elective .................................................. 3

**Sophomore - Second Semester**

- PHYS 2121 Technical Physics I ........................................................................... 5
- GEOG 1120 Earth Science I: Landforms and Processes .................................. 4
- GEOL 1040 Physical Geology ........................................................................... 4
- MATH 2050 Foundations of Probability and Statistics ........................................ 3

**Junior - First Semester**

- GEOL 311X Mineralogy I or II ........................................................................... 4
- GEOG 4120 Petrography .................................................................................... 4
- HIST 2050 The United States Since 1877 ......................................................... 3
- Institutions and Society elective ......................................................................... 3

**Junior - Second Semester**

- GEOL 339X Invertebrate Paleontology or Vertebrate Paleontology .............. 4
- GEOL 4617 Structural Geology ......................................................................... 4
- GEOG 1120 Earth Science: Landforms and Processes .................................. 3
- Humanities Elective ........................................................................................... 3

**Senior - First Semester**

- GEOL 4540 Sedimentation-Stratigraphy ............................................................. 4
- GEOG 1013 Introduction to World Regional Geography .................................... 3
- GEOG 2210 Modern Geographic Concepts ..................................................... 3
- GEOG 3210 Cartography .................................................................................... 3
- Guided Electives ................................................................................................. 3

**Senior - Second Semester**

- GEOG 4217 GIS .................................................................................................. 3
- GEOG 4007 Geography of the United States .................................................. 3
- GEOG 1110 Introduction to Cultural Geography ............................................. 3
- Identity, Ethics & Social Responsibility ................................................................ 3
- Guided Electives ................................................................................................. 3

---

**Minor**

The geology minor consists of 22 semester hours of study in geology.

**Course Requirements:**

- GEOL 1040 Physical Geology ........................................................................... 4
- GEOL 1050 Historical Geology .......................................................................... 4
- GEOL 3112 Mineralogy II .................................................................................. 4
- GEOL 4120 Petrography .................................................................................... 4
- GEOL Electives .................................................................................................. 6

Substitutions may be made for the above courses, but must have the advisor's approval.

**BACHELOR OF SCIENCE IN SURVEYING AND MAPPING**

This program is accredited by the Applied Science Accreditation Commission of the Accreditation Board for Engineering and Technology (ASAC of ABET).

Students in Surveying and Mapping Science pursue coursework in professional land surveying practice and may include specialty areas such as Cartography, Remote Sensing, and Geographic Information Systems (GIS). Core courses include plane, geodetic, photogrammetric and boundary surveying. By taking a minimum of 58 semester hours in surveying-related courses, students are well prepared for future licensing and professional-level positions with surveying and engineering firms, government service, utility companies and related industries.

**General Education Core Requirements:**

- ENGL 1010 Critical Reading: Expository Writing ........................................... 3
- ENGL 1020 Critical Thinking & Argumentation .............................................. 3
- MATH 1910 Calculus I ....................................................................................... 4
- CSCI 1100 Using Information Technology ....................................................... 2
- HIST 2010 The United States to 1877 ............................................................... 3
- HIST 2020 The United States Since 1877 ......................................................... 3
- PHYS 2010-11 General Physics I with Lab1 Non-Calculus .............................. 4
- PHYS 2020-21 General Physics II with Lab2 Non-Calculus ............................ 4
- ENGL 2030, 2130, 2210, 2220, or 2330 (Heritage elective) ........................... 3
- PSYC 1310 Introduction to Psychology .......................................................... 3
- ENTC 3020 Technology and Society ................................................................. 3

**Total** .................................................................................................................. 44

**Intensive Courses** - Students who enter ETSU as freshmen or with less than 60 transfer hours must take:

a. four writing intensive courses, of which at least two must be in the major; at least two must be at the 3000-4000 level;
b. two oral communication-intensive courses, of which at least one must be in the major;
c. one using information technology-intensive course in the major.

Students must meet proficiency-intensive requirements through courses taken at ETSU.

Students with more than 60 transfer hours must take two writing-intensive courses, one oral-intensive course, and one using information technology-intensive course.

**Physical Education** .......................................................................................... 2 credits

PEXS/PHED, Military Science, Marching Band .................................................... 2

If a student selects the PHED option, one course must be from the fitness activity category and one must be from the lifetime activity category.

**Other Requirements:**

- ENTC/SURV 1510 Student in University .......................................................... 3
- ENTC 2170 CADD (Auto CAD) ......................................................................... 3
- ENTC/SURV 3030 Technical Communications ............................................. 3
- ENTC 4017 Industrial Supervision .................................................................... 3
- MATH 1920 Calculus II ..................................................................................... 4
- MATH 2010 Linear Algebra ................................................................................. 3
- GEOL 1040 Physical Geology .......................................................................... 4
CSCL elective 1250 or 2100 or 1310 or 1800 ................. 3-4
(Basic Science elective)2 ........................................... 3-4
Total ....................................................................... 29-31

2The Basic Science elective can be selected from GEOG 3060 or 4257 or ENTC 3400 or 3620.

Survey Core Requirements:
SURV 2550 Surveying Measurement Fundamentals .......... 4
SURV 2560 Surveying Graphics ....................................... 4
SURV 3510 Engineering and Construction Surveys ............ 4
SURV 3520 Land Survey Systems ..................................... 2
SURV 3530 Surveying Measurements & Computational Analysis ................................................... 4
SURV 3540 Surveying Projects ......................................... 3
SURV 3550 Advanced Surveying Mathematics ................... 3
SURV 3560 Geodetic Science ............................................. 4
SURV 4517 Photogrammetry ............................................. 4
SURV 4520 Survey Science Topics ..................................... 3
SURV 4537 Land Boundary Location ................................ 4
SURV 4547 Land Subdivision and Platting ......................... 4
SURV 4550 Automated Surveying and Mapping ................. 3
ENTC 4517 Real Estate Law ............................................ 3
ENTC 4227 Engineering Economy .................................... 3
(Survey Science elective)3 ........................................... 6
Total ....................................................................... 58

3Science Survey electives must be selected from among the following courses: GEOG 3210, 4217, 4227, 4317 or other advanced surveying elective approved by the program coordinator.

Total Credit Hours .................................................... 133-135

Transfer Students - Transfer students without a B.S. from another institution, must take a minimum of 60 credits from East Tennessee State University and meet all other requirements to receive a B.S. in Surveying and Mapping Science. Transfer students with a B.S. from another institution must take a minimum of 34 credits from ETSU and meet all other requirements to receive a B.S. in Surveying and Mapping Science. Articulation agreements with several two-year institutions are available for smooth transfer to ETSU. Students are encouraged to contact the program coordinator to discuss their individual needs.

Suggested Course Sequence for All B.S. Majors in Surveying and Mapping Science

Freshman - First Semester
ENGL 1010 Critical Reading/Expository Writing ................. 3
MATH 1910 Calculus I ..................................................... 4
SURV 2560 Surveying Graphics ....................................... 4
PSYC 1310 Introduction to Psychology ......................... 3
ENTC/SURV 1510 Student in University ......................... 1
PHED, MSCI, BAND ...................................................... 1
TOTAL ........................................................................ 18

Freshman - Second Semester
ENGL 1020 Critical Thinking & Argumentation ................. 3
MATH 1920 Calculus II .................................................... 4
SURV 2550 Survey Measurement Fundamentals ............... 4
CSCI 1100 Using Information Technology ........................ 3
ENTC 2170 CAD (AutoCAD) ......................................... 3
PHED, MSCI, BAND ...................................................... 1
TOTAL ........................................................................ 18

Sophomore - First Semester
SURV 3510 Engineering & Construction Surveys ............... 4
SURV 3520 Land Survey Systems ..................................... 2
ENGL 1910 (Heritage Elective) .......................................... 3
1PHYS 2010 General Physics I Lecture ......................... 3
1PHYS 2011 General Physics I Lab .................................. 1
1 (Basic Science Elective) ........................................... 3-4
TOTAL ........................................................................ 16-17

Sophomore - Second Semester
SURV 3530 Surveying Measurement & Computational Analysis .......... 4
1CSCI elective .............................................................. 3-4
MATH 2010 Linear Algebra ............................................ 3
1PHYS 2020 General Physics II Lecture ....................... 3
1PHYS 2021 General Physics II Lab ................................ 1
1Arts & Artistic Vision .................................................. 3
TOTAL ........................................................................ 17-18

1 Select from CSCI 1250 or 2100 or 1310 or 1800.
2 Basic Science Elective – Choose 3-4 credits from GEOG 3060 Geomorphology, GEOG 4257 Geog. of Soils, ENTC 3400 Construction Materials, or ENTC 3620 Thermal and Fluid Technologies.
3 General Educ Core: Arts & Artistic Vision (3 cr), Identity, Ethics & Social Responsibility (3 cr), Survey Science Elective – (6 cr) from GEOG 3210 Cartography, GEOG 4227 Remote Sensing, GEOG 4317 Advanced GIS or approved substitute.

Department of Military Science
P.O. Box 70648 Phone: 423/349-4269 E-mail: terrye@mail.etsu.edu

The military science program is a cooperative enterprise between ETSU and the U.S. Army. The program is designed to develop the students' managerial and leadership abilities, introduce students to the mission and organization of the U.S. Army and prepare advanced-course students for service as commissioned officers in the Active Army, Army Reserve or Army National Guard.

MAJOR

An academic major in military science is not offered at ETSU. However, completion of the program qualifies the student for a commission as a second lieutenant.

MINOR

Students may select military science as a minor, consisting of 25 semester hours of study. All military science advanced courses may be applied toward a minor in military science. To receive credit for a military science minor, students must complete Military Science III (3110 and 3120); ROTC Advanced Camp (4580); and Military Science IV (4110 and 4120). Students must be commissioned in order to receive the minor in military science.

SUBSTITUTION FOR PHYSICAL EDUCATION

Mountaineering, Leadership and Survival may be taken in lieu of the requirement for lifetime activities in physical education. Also, both physical training courses offered by the Department of Military Science may be taken in lieu of the fitness activity requirement for physical education.
COURSE CREDIT

Students interested in participating in the advanced phase may receive basic phase credit for having prior active or reserve component military service, three years of junior ROTC at the high school level, or for completion of ROTC's Camp Challenge.

ROTC SCHOLARSHIPS

Army ROTC scholarships pay annual tuition costs and a textbook allowance. Scholarship cadets also receive a tax-free subsistence allowance of $200 a month for up to 10 months each school year in which the scholarship is in effect. In addition, the university now provides 30 housing scholarships for Army ROTC scholarship recipients. High school students interested in the four-year scholarship program should contact:

Army ROTC
East Tennessee State University
Box 70648
Johnson City, TN 37614
(423) 439-5291/5288

College students interested in a two- or three-year scholarship should also contact the Department of Military Science.

ROTC BASIC COURSE

Any student may enroll without obligation in the Department of Military Science's Basic Course Classes. Those classes listed as 1000- and 2100-series classes are considered part of the Basic Course of military science. Students desiring to enter the Advanced Course of the ROTC program through the four-year program must complete all four Basic Course Classes. In certain cases, the professor of Military Science may waive one of these class requirements.

The basic phase is designed to introduce the U.S. Army as an institution, the military as a profession, and to impart to all students basic leadership skills which can be used in a civilian environment as well as in the military. The basic phase includes both formal classroom instruction and field practice periods. Subject matter deals with the organization and history of the U.S. Army, the dynamics of leadership and management, military skills, and mountaineering.

ROTC CAMP CHALLENGE

This is a five-week, paid summer course at Ft. Knox, Ky., designed for students who have two academic years remaining and who have not participated in the basic course program or received equivalency credit. Camp Challenge attendees receive pay and travel allowances. Training is practical in nature and consists of exercises in which the cadet is an active participant. There are no military or other obligations for basic camp attendance. Students may earn up to six credit hours and a two-year Army ROTC Scholarship.

ROTC ADVANCED COURSE

Advanced military science cadets continue their studies in leadership and tactics with the scope of instruction expanded to include subjects such as military law, battle simulations, group dynamics, organizational management, and decision making. Advanced Course contract students receive $200 a month up to a maximum of 20 months (equivalent to two academic years) and an appointment upon graduation as a second lieutenant. Contracted students incur a military obligation in the Active Army, the Reserve, or the National Guard. This obligation can consist of as little as three months active duty, with the remainder spent on Reserve or National Guard status. Students who prefer Reserve or National Guard duty may be guaranteed that they will not be assigned to active duty except for the short period needed to complete a branch basic officer course (three to six months depending on the branch selected). Students interested in enrolling as a contract cadet must contact the Department of Military Science for specific program requirements, guarantees, benefits, and military information.

ROTC ADVANCED CAMP

Advanced Course cadets are required to attend the five week advanced camp at Fort Lewis, Wash., upon completion of the junior year of military science. Advanced camp attendance is a prerequisite to commissioning but may be delayed until completion of the senior year with the approval of the U.S. Army and the professor of Military Science at ETSU.

COURSE SEQUENCE REQUIREMENTS

To receive a commission in the U.S. Army through the military science program, a student must successfully complete 11 semester hours of courses at the basic level (1100 or 2100 courses), 16 hours at the advanced level (3100 or 4100 courses) and ROTC Advanced Camp (six semester credit hours). Equivalency credit may be given for the basic level courses for those cadets who are (1) veterans, (2) graduates of junior ROTC programs, or (3) graduates of the ROTC Camp Challenge.

One of the following two sequences will be utilized to obtain a commission as a second lieutenant.

FOUR-YEAR PROGRAM COURSE SEQUENCE

MSCI 1210 Mountaineering, Leadership, and Survival I
MSCI 1220 Mountaineering, Leadership, and Survival II
MSCI 2110 Dynamics of Leadership and Management
and 1180 Practicum I
MSCI 2150 Military Skills I and
MSCI 1181 Practicum II
MSCI 3110 Military Skills II
MSCI 3120 Military Skills III
MSCI 4580 Advanced Camp
MSCI 4110 Advanced Tactics
MSCI 4120 Advanced Leadership

TWO-YEAR PROGRAM COURSE SEQUENCE

MSCI 2580 Basic Camp or equivalency credit
MSCI 3110 Military Skills II
MSCI 3120 Military Skills III
MSCI 4580 Advanced Camp
MSCI 4110 Advanced Tactics
MSCI 4120 Advanced Leadership

The chair of the Department of Military Science may make exceptions to this policy under unusual circumstances.

Advanced course cadets must take HIST 3940 (War in the Modern World) as a prerequisite to commissioning.

MAJORS

The Department of Technology offers a four-year bachelor of science degree. Major concentrations are available in the following programs: 1) biomedical engineering technology; 2) construction technology; 3) electronics engineering technology; 4) digital media (pending TBR approval); 5) industrial technology; 6) manufacturing engineering technology; and 7) technology education.

GRADUATE STUDY

The Department of Technology offers a master of science degree. The concentrations available are: (1) an industry-oriented program of studies, and (2) a program for technology educators.

TRANSFERRING TECHNICAL ASSOCIATE DEGREES

All non-technology coursework such as math, science, and English is
evaluated for transfer by an analyst in the Office of Admissions. All technology coursework submitted for transfer will be analyzed by the department chair or the appropriate program coordinator. The following criteria apply:

1. Coursework must have been taken at a regionally accredited two- or four-year institution.
2. Coursework must be equivalent to an ETSU course; if not, it will count as elective credit.
3. Only courses for which a grade of ‘C’ or higher was earned will be accepted for transfer credit for courses in technology, mathematics or science.

In consultation with the associate degree-holding student, an agreement will be written listing the coursework that must be successfully completed by the student to receive a bachelor of science degree with a major in technology.

Students contemplating the transfer of their technology-based associate degree should read the policy statement regarding transfer student admissions elsewhere in this catalog and confer with a Department of Technology advisor.

**Minor**

A minor in technology is available to students who wish to acquire technical knowledge and skills. Requirements for the minor are 21 semester hours (nine of which must be upper division courses) of study in the department. Concentration study in a particular technical area is encouraged. Students must meet the prerequisites listed in the catalog for a particular course they wish to take or obtain permission of the instructor.

Students who transfer technical courses from technical institutes, colleges, or military technical schools who wish a minor in technology must complete a minimum of three courses in the department regardless of the number of credit hours transferred.

**VOCATIONAL TRADE AND SHOP LICENSE FOR TRADE AND INDUSTRIAL AND HEALTH OCCUPATIONS TEACHERS**

The Vocational Division of the Tennessee Department of Education and the State Board of Education for professional certification for trade and industry teachers and health occupation teachers require 18 semester hours of approved coursework for certification. The specific course requirements for the certification program can be found under the Department of Technology subheading: Trade and Industry.

**Area Requirements:**

1. Health occupation teachers must hold current licensure and/or certification in an allied health occupation or current licensure as a registered nurse in Tennessee.
2. Cosmetology teachers and barbering teachers must hold current licensure to instruct in Tennessee as issued by the respective state licensing board.

**BACHELOR OF SCIENCE DEGREE IN TECHNOLOGY**

The General Education Core Requirements and Technical Core and restrictions for all technology B.S. degree concentrations, with the exception of technology education, include:

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
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**Technology Core:**

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<td>ENTC 4600</td>
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<tr>
<td>ENTC 4777</td>
<td>3</td>
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</tbody>
</table>

**Total**

46-48

**Total General Education Core and Technology Core Requirements:**

72-74

1 Can be completed by passing the UIT Challenge Exam.
2 Required of all entering students with less than 15 semester hours of college credit.
3 PHYS 2020/2021 is required for Biomedical and Construction Engineering Technology concentrations.

**BIOMEDICAL ENGINEERING TECHNOLOGY CONCENTRATION**

This concentration is designed to prepare graduates to work as hospital-based biomedical engineering technologist.

**Technology and General Education Core Requirements:**

72-74

**Additional Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</tr>
<tr>
<td>HSCI 2020</td>
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</tr>
<tr>
<td>HSCI 2021</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 2750</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**

136-138

At the present time, four clinical sites are used for ENTC 4350 Biomedical Internship I. Students must have transportation to their internship site. Students must also furnish evidence of having met health examination requirements for their internship.

Currently there are adequate clinical sites for student internships. In the event student applications for internships exceed clinical positions available, the faculty reserves the right to initiate selection criteria for the assignment of students.
### Biomedical Engineering Technology

**Freshman - Fall Semester**
- ENGL 1010 Critical Reading/Expository Writing ........................................ 3
- ENTC 1510 Student in University .................................................................. 3
- CSCI 1100 Using Information Technology .................................................. 3
- Institution Elective ...................................................................................... 3
- MATH 1720 Precalculus .............................................................................. 3
- PHED 1xxx Fitness ...................................................................................... 1

**TOTAL** .................................................................................................. 16

**Freshman - Spring Semester**
- ENTC 2170 CADD Drafting ......................................................................... 3
- ENTC 1110 Engineering Drawing ............................................................... 3
- ENTC 1090 Critical Thinking/Argumentation ........................................... 3
- Institution Elective (See General Education Core) ...................................... 3
- MATH 1840 Analytic Geometry & Differential Calculus ............................... 3
- PHED 2xxx Lifetime .................................................................................. 1

**TOTAL** .................................................................................................. 16

**Sophomore - Fall Semester**
- ENTC 2310 Electrical Principles ................................................................ 4
- Heritage Elective ........................................................................................ 3
- HSCI 2010/2011 Anatomy/Physiology/Lab .................................................. 4
- MATH 1850 Integral Calculus ....................................................................... 3
- PHYS 2010 General Physics I Lecture ......................................................... 3
- PHYS 2021 General Physics II Lab ............................................................... 1

**TOTAL** .................................................................................................. 18

**Sophomore - Spring Semester**
- ENTC 2320 Electronics I ........................................................................... 4
- ENTC 3310 Circuit Analysis ......................................................................... 3
- HSCI 2020/2021 Anatomy/Physiology/Lab .................................................. 4
- MATH 1530 Statistics .................................................................................. 3
- PHYS 2020 General Physics II Lecture ....................................................... 3
- PHYS 2021 General Physics II Lab .............................................................. 1

**TOTAL** .................................................................................................. 18

**Junior - Fall Semester**
- ENTC 3030 Technical Communication ..................................................... 3
- ENTC 3320 Electronics II ............................................................................ 4
- ENTC 4777 Safety Management .................................................................. 3
- ENTC 4660 Technical Practice ...................................................................... 4
- HIST 2010 The United States to 1877 ......................................................... 3

**TOTAL** .................................................................................................. 17

**Junior - Spring Semester**
- ENTC 3370 Electronics - Digital Circuits ................................................... 4
- ENTC 4060 Project Scheduling ................................................................... 3
- ENTC 4350 Biomedical Instrumentation I .................................................. 3
- PUBH 2750 Medical Terminology .............................................................. 3
- HIST 2020 The United States Since 1877 .................................................. 3

**TOTAL** .................................................................................................. 17

**Senior - Fall Semester**
- ENTC 4337 Microprocessors ....................................................................... 4
- ENTC 4370 BMET Instrumentation II .......................................................... 4
- ENTC 4360 BMET Internship I ..................................................................... 2
- ENTC 3020 Technology & Society ............................................................... 3
- ENTC 4360 Medical Imaging Equipment Technology ................................ 3

**TOTAL** .................................................................................................. 16

**Senior - Spring Semester**
- ENTC 4310 Electronics Communications .................................................. 4
- ENTC 4347 Digital Signal Processors .......................................................... 4
- ENTC 4017 Industrial Supervision ................................................................ 3
- Artistic Vision Elective ................................................................................ 3

**TOTAL** .................................................................................................. 17

**Total Credit Hours for B.S. Degree .......................................................... 135**

### CONSTRUCTION ENGINEERING TECHNOLOGY CONCENTRATION

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

This concentration offers a diversified curriculum that prepares individuals for employment in construction management. This program of training involves field operations and office management.

#### Technology and General Education

**Core Requirements .......................................................... 72-74**

#### Additional Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTC 2410</td>
<td>Construction Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 2420</td>
<td>Residential &amp; Commercial Planning</td>
<td>4</td>
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<tr>
<td>ENTC 2440</td>
<td>Mechanical Systems</td>
<td>4</td>
</tr>
<tr>
<td>SURV 2550</td>
<td>Surveying Measurement Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3010</td>
<td>Statics &amp; Strength of Materials</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3400</td>
<td>Construction Materials</td>
<td>4</td>
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<tr>
<td>ENTC 3410</td>
<td>Construction Estimating</td>
<td>4</td>
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<tr>
<td>ENTC 3420</td>
<td>Advanced Construction Estimating</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3430</td>
<td>Materials &amp; Methods</td>
<td>4</td>
</tr>
<tr>
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<td>(Lifetime)</td>
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<tr>
<td>PSYC 1310</td>
<td>Introduction to Psychology</td>
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**TOTAL** .................................................................................................. 16

#### Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>PHED 1xxx</td>
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<tr>
<td>ENTC 4777</td>
<td>Safety Management</td>
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<tr>
<td>ENTC 3020</td>
<td>Technology &amp; Society</td>
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<td>ENTC 4417</td>
<td>Construction Finance &amp; Administration</td>
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<tr>
<td>ENTC 4410</td>
<td>Construction Estimating</td>
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<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
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<tr>
<td>SURV 2550</td>
<td>Surveying Measurement Fundamentals</td>
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**TOTAL** .................................................................................................. 15
### Senior - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>HIST 2020 The United States Since 1877</td>
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<tr>
<td>ENTC 4600 Technical Practicum</td>
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<td>ENTC 4017 Industrial Supervision</td>
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<tr>
<td>ENTC XXX Electronic Elective</td>
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<tr>
<td>Identity, Ethics and Social Responsibility</td>
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<td><strong>Total</strong></td>
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</table>

Total Credit Hours for B.S. in Electronic Engineering Technology.......................... 135

### ELECTRONICS ENGINEERING TECHNOLOGY CONCENTRATION

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). This concentration emphasizes electronics specialties in the areas of Telecommunications and Instrumentation and Automation. It prepares individuals for job opportunities in all areas of electronics with selection of the general specialty.

**Technology and General Education**

**Core Requirements ............................................................. 72-74**

### Electronics Core Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 2310 Electronics Principles</td>
<td>4</td>
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<tr>
<td>ENTC 2320 Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3310 Circuit Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3320 Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3370 Electronics Digital Circuits</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 4037 Quality Assurance I</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4310 Electronics Communications</td>
<td>4</td>
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<tr>
<td>ENTC 4337 Microprocessors</td>
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<td><strong>Total</strong></td>
<td><strong>43</strong></td>
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### Additional Requirements:

- MATH 1720 Pre-calculus ................................................. 3
- MATH 1840 Analytic Geometry & Diff Cal ......................... 3
- MATH 1850 Integral Calculus for Technology .................. 3
- **PHYS 2020/21 General Physics II or CHEM 1110/11 General Chemistry | 4

**Total**: .............................................................. 43

*The MATH 1910 and 1920 sequence can be substituted for the MATH 1840-1850 sequence.

**Select one course that was not taken as of the Technology Department's General Education Core requirements.

**Specialty:** Each student must select from one of the specialties below to complete the program of study.

### Telecommunications:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 3170 Network Systems</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4327 Telecommunications I</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 4347 Digital Signal Processors</td>
<td>4</td>
</tr>
<tr>
<td>ENTC Electives (selected from approved list)</td>
<td>6-7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17-18</strong></td>
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</table>

### Instrumentation & Automation:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENTC 4277 Instrumentation and Process Control</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 4287 Introduction to Robotics</td>
<td>3</td>
</tr>
<tr>
<td>ENTC Electives (selected from approved list)</td>
<td>6-7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17-18</strong></td>
</tr>
</tbody>
</table>

### General:

- ENTC Electives (selected from approved list) | 18

**Total Electives (selected from approved list) | 18

### Total Program ...................................................... 133-135

### Electronic Engineering Technology Concentration

#### Freshman - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 1110 Engineering Drawing</td>
<td>4</td>
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<tr>
<td>ENTC 1510 Student in University</td>
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</tr>
<tr>
<td>ENGL 1010 Critical Reading/Expository Writing</td>
<td>3</td>
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<tr>
<td>MATH 1720 Pre-calculus</td>
<td>3</td>
</tr>
<tr>
<td>CSE 1100 Using Information Technology</td>
<td>3</td>
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<tr>
<td>PHED 1xxx Fitness</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</table>

#### Freshman - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 2170 CAD</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking/Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1840 Analytic Geometry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1110/11 General Chemistry</td>
<td>4</td>
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<td><strong>Total</strong></td>
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#### Sophomore - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENTC 2300 Electrical Principles</td>
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</tr>
<tr>
<td>ENGL 2030, 2131, 2210, 2220, 2330, 2430</td>
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<tr>
<td>MATH 1850 Integral Calculus</td>
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<tr>
<td>PHYS 2010 General Physics</td>
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<tr>
<td>PHYS 2021 General Physics Lab</td>
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<tr>
<td>Institutions and Society</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

#### Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTC 3320 Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3330 Digital Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3300 Technical Communication</td>
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<tr>
<td>Institutions and Society</td>
<td>3</td>
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<tr>
<td>HIST 2010 The United States to 1877</td>
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#### Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENTC 3370 Digital Circuits</td>
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<tr>
<td>ENTC Electives (selected from approved list)</td>
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<tr>
<td>ENTC 3300 Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>Institutions and Society</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010 The United States to 1877</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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#### Junior - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 4310 Electronic Communications</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 4337 Microprocessors</td>
<td>4</td>
</tr>
<tr>
<td>ENTC Electronics specialization</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4037 Quality Assurance I</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4777 Safety Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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#### Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>ENTC Electives (selected from approved list)</td>
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<tr>
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</tbody>
</table>

Total Credit Hours for B.S. in Electronic Engineering Technology.......................... 134

### To Students Transferring into the Electronics Engineering Technology Program at ETSU

All students, including transfer students, must complete the published curriculum in electronics engineering technology in effect the year of their entry into the program. All students transferring into the B.S. degree electronics engineering technology program must take a minimum of four electronics courses that must include ENTC 3310, Circuit Analysis, and ENTC 3330, Electronics III. A computer science course is a prerequisite/corequisite for ENTC 3310, Circuit Analysis. No associate degree coursework will be accepted for electronic coursework at the 4XXX level.
If the transfer student is from a program that is not accredited by the Accreditation Board for Engineering and Technology (ABET), the required minimum must also include ENTC 3320, Electronics II. It is the student's responsibility to provide evidence that the transferred coursework was completed at an ABET-accredited institution. (This information would usually be found in the school's catalog.) Note that ENTC 3310, Circuit Analysis, is a prerequisite for ENTC 3320, Electronics II.

DIGITAL MEDIA

The B.S. in Digital Media is a course of study with four mutually complementary areas of concentration, each rooted in principles of human-Computer Interface (HCI) design construed in relation to professional work and supervisory settings:

Visualization — modeling and rendering visually meaningful interpretations of scenarios, products, and contexts,
Multimedia — selecting, designing and delivering digital content by appropriate vehicle,
Hypermedia — designing, rendering and implementing user-centered information architectures to provide access to digital content as on the World Wide Web of the Internet or corporate and industrial intranets,
Product Design — using advanced digital visualization technology to design and prototype new products.

Digital Media Fee

Effective with the 2003 Summer term, a Digital Media Enhancement Fee of $100 per semester hour will be applied to all DIGM courses for all students, with the following exception: A phase-in period will apply to two groups of existing matriculated Digital Media majors—undergraduate students who are designated on SIS Screen 114 for Spring Term 2003 as a Digital Media major, and graduate students admitted to the Digital Media concentration prior to or for Spring 2003. Students subject to the phase-in period will pay the following fees per semester hour: Summer 2003, $0; Fall 2003, $0; Spring 2004, $50; Summer 2004, $50; Fall 2004, $75; Spring 2005, $100.

Technology and General Education
Core Requirements

General Education Core Requirements ........................................ 46-48

Digital Media Core Requirements:
ARDA 1110 2D Design ............................................................. 3
ARDA 1204 Color Theory ......................................................... 3
ENTC 1110 Engineering Drawing ............................................. 4
ENTC 3030 Technical Communication .................................. 3
ENTC 2170 CADD ................................................................. 3
MATH 1840 Analytical Geometry & Differential Calculus or MATH 1910 Calculus I .................................................. 3-4
CSCI 1800 Visual Programming & Applications ................. 3
DIGM 2820 Industrial Illustration ......................................... 4
DIGM 2821 Desktop Publishing ............................................ 4
DIGM 2822 Presentation Media ............................................. 4
DIGM 2825 Digital Media Systems ...................................... 4
Total ................................................................................. 38

There are four Areas of Concentration:
Visualization
Multimedia
Hypermedia, and
Product Design

Each concentration comprises a sequence of four area-specific courses: Introduction, Intermediate, Advanced, and Senior Project.

Digital Media Area Concentration Requirements Credit Hours
DIGM 28X0 Introduction to (Area) ............................................. 4
DIGM 38X0 Intermediate (Area) .............................................. 4
DIGM 48X7 Advanced (Area) .................................................. 4
DIGM 48X9 Senior Project in (Area) ........................................ 4
Total ................................................................................. 16

All Digital Media majors must take at least 21 hours of technical electives selected from those listed in the table Guided Technical Electives. As shown here each area of concentration requires 12-17 hours of specific courses to be included in the student's selection of guided electives.

Multimedia guided electives:
DIGM 2840 Introduction to Visualization ................................ 4
DIGM 2850 Introduction to Hypermedia .................................. 4
ARTA 2120 Basic Figure Drawing ......................................... 3
ARTA 2200 Basic Photography ............................................. 3
ARTA 4302 Illustration ......................................................... 3
Total ................................................................................. 17

Visualization guided electives:
ARTA 1201 Drawing Fundamentals ...................................... 3
ARTA 2200 Basic Photography ............................................. 3
THEA 2520 Stagecraft ......................................................... 3
THEA 3335 Lighting Design .................................................. 3
Total ................................................................................. 12

Hypermedia guided electives:
CSCI 2800 Visual Programming -- Advanced Concepts .......... 4
DIGM 2830 Intro. Multimedia or CSCI 4517 Multimedia Essentials .................................................. 4
MGMT 3000 Organizational Behavior & Management .......... 3
ENTC 4060 Project Scheduling ............................................ 3
Total ................................................................................. 14

Product Design guided electives:
ENTC 1120 Manufacturing Processes & Specification .......... 3
ENTC 2310 Electrical Principles .......................................... 3
ENTC 3010 Statics & Strength of Materials ......................... 3
ENTC 3710 Manual Numerical Control Programming .......... 3
ENTC 4060 Project Scheduling ............................................ 3
Total ................................................................................. 17

Guided Technical Electives Credit Hours:
ARTA 1201 Drawing Fundamentals ...................................... 3
ARTA 2010 Intermediate Drawing ....................................... 3
ARTA 2120 Basic Figure Drawing ....................................... 3
ARTA 2200 Basic Photography .......................................... 3
ARTA 3201 Intermediate Figure Drawing ............................ 3
ARTA 3601 Intermediate Photography ................................ 3
ARTA 4302 Illustration ......................................................... 3
ARTA 4603 Introduction to Studio Photography ..................... 3
CSCI 1250, 1260 Introduction to Computer Science I & II ... 3
CSCI 1710, 1720 World Wide Web, WWW Advanced Concepts .... 6
CSCI 2210 Data Structures .................................................. 4
CSCI 3220 Introduction to Database Systems ....................... 3
CSCI 3250 Software Engineering I ...................................... 3
CSCI 3350 Software Engineering II ..................................... 3
CSCI 4157 Interactive Graphics ........................................... 3
DIGM 28X0 Introduction to (Area) (Any other than DM core area entry courses) ........................................ 12
DIGM 38X0 Intermediate (Area) (Any other than student’s area of concentration) ................................ 12
DIGM 48X7 Advanced (Area) (Any other than student’s area of concentration) ................................ 12
DIGM 4177 Computer Graphics ........................................... 4
DIGM 4650 Digital Imaging ................................................... 4
ENTC 1120 Manufacturing Processes & Specification .......... 3
ENTC 2200 Machine Tool Technology .................................. 4
ENTC 2310 Electrical Principles ......................................... 4

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2003-2004 Undergraduate Catalog
ENTC 2610 Applied Mechanics I .................................3
ENTC 2620 Applied Mechanics II ...............................3
ENTC 3010 Statics and Strength of Materials ..............4
ENTC 3240 Engineering Materials & Testing .................4
ENTC 3260 Intro. to Computer-Integrated Manufacturing ...4
ENTC 3660 Communications Systems Technology ...........3
ENTC 3710 Manual Numerical Control Programming ........3
ENTC 3989-99 Cooperative Education (1-3 credits each) 2-6
ENTC 4017 Industrial Supervision ..............................3
ENTC 4037 Quality Assurance ....................................3
ENTC 4060 Project Scheduling ...................................3
ENTC 4390 Medical Imaging Equipment Technology .......3
ENTC 4900 Independent Study in Technology ..............1-6
ENTC 4957 Special Topics in Technology ........................2-6
MATH 1070 Integral Calculus for Technology or ...3
MATH 1920 Calculus I ...................................................3-4
MATH 1530 Probability & Statistics ............................3
MATH 1910 Calculus I ...................................................4
MATH 2010 Linear Algebra .........................................4
RTVF 3602 Video-Film Techniques ..............................3
THEA 2520 Stagecraft .................................................3
THEA 2530 Dramatic Structure ..................................3
THEA 3335 Lighting Design ..........................................3
THEA 4547 Dramatic Theory & Criticism ....................3

Digital Media Concentration

Freshman - First & Second Semester

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010 &amp; 1020</td>
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<tr>
<td>ENTC 1510, 1110 &amp; 2170</td>
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<td>DIGM 2820 &amp; 2821</td>
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<tr>
<td>ARTA 1110 &amp; 1204</td>
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Total: 33

Sophomore - First & Second Semester

<table>
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<tr>
<td>CSCI 1100</td>
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<tr>
<td>PHYS 2010 &amp; 2111</td>
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<td>HIST 2010</td>
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<td>DIGM 2822 &amp; 2825</td>
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<tr>
<td>DIGM 28X0</td>
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Total: 33-35

Junior - First & Second Semesters

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHYS 2020 &amp; 2021</td>
<td>...</td>
<td>4</td>
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<tr>
<td>ENTC 3020 (Humanities) &amp; 3030</td>
<td>...</td>
<td>6</td>
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<tr>
<td>ENGL (Heritage)</td>
<td>...</td>
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<tr>
<td>HIST 2020</td>
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Total: 30

Senior - First & Second Semesters

<table>
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<tr>
<td>DIGM 48X7 (Advanced Area)</td>
<td>...</td>
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<tr>
<td>DIGM 49X9 (Senior Project Area)</td>
<td>...</td>
<td>4</td>
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<tr>
<td>Elective (Arts and the Artistic Vision)</td>
<td>...</td>
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<tr>
<td>Elective (Identity, Ethics and Social Responsibility)</td>
<td>...</td>
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</tr>
<tr>
<td>Electives (Institutions and Society)</td>
<td>...</td>
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Total: 28

Program Total: 124-126

INDUSTRIAL TECHNOLOGY CONCENTRATION

This concentration is a management-oriented curriculum with studies drawn from a variety of disciplines related to industry. The graduate develops skills to help solve managerial, technical, and production problems.

Technology and General Education

Core Requirements: .......................................................... 72-74

Additional Requirements:

- ENTC 1120 Manufacturing Processes and Specifi... 3
- ENTC 2200 Machine Tool Technology ..................4
- ENTC 2310 Electrical Principles ........................4
- ENTC 3260 Introduction to Computer-Integrated Manuf. 3
- ENTC 3620 Thermal & Fluid Technologies .............4
- ENTC 3710 Manual CNC Programming ........................3
- ENTC 4037 Quality Assurance I ................................3
- CSCI 2100 Introduction to C ..................................3
- MATH 1720 Precalculus ......................................3
- MATH 1840 Analytic Geometry & Differential Calculus 3
- MGMT 3000 Organizational Management ..............3
- MGMT 3310 Legal Environment of Business ..........3
- SPCH 2300 Public Speaking ..................................3

Total Credit Hours (Minimum) Required for Industrial Technology Concentration: 130-132

** Cooperative Education (ENTC 4989-99) may be substituted for ENTC 3600

*** Technical and general electives should be selected with the goal of developing a depth of understanding in one or two technical areas. Select courses from manufacturing, electronics, engineering design graphics, computer science, management science, construction, or surveying.

CSCI 1310 (4) or CSCI 1800 (4) may be substituted for CSCI 2100.

MANUFACTURING ENGINEERING TECHNOLOGY CONCENTRATION

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

This concentration provides students with experiences in the major elements of manufacturing. Graduates are able to apply their knowledge and understanding to manufacturing processes and supervision.

Technology and General Education

Core Requirements: .......................................................... 72-74

Manufacturing Core Requirements:

- ENTC 1120 Manufacturing Processes and Specifi... 3
- ENTC 2200 Machine Tool Technology ..................4
- ENTC 2310 Electrical Principles ........................4
- ENTC 3260 Introduction to Computer-Integrated Manuf. 3
- ENTC 3620 Thermal & Fluid Technologies .............4
- ENTC 3710 Manual CNC Programming ........................3
- ENTC 4037 Quality Assurance I ................................3
- CSCI 2100 Introduction to C ..................................3
- MATH 1720 Precalculus ......................................3
- MATH 1840 Analytic Geometry & Diff. Calculus 2 3
- MATH 1850 Integral Calculus for Technology 2 3
- PHYS 2020-21 General Physics II - Non-Calculus Lecture/Lab 3 4

Total: ................................................................................. 41

Speciality Sequence (Choose One)

Programming & Automation Sequence

- ENTC 2320 Electronics ..............................................4
- ENTC 3370 Electronics – Digital Circuits .................4
- ENTC 4277 Instrumentation & Process Control ..........4
- ENTC 4337 Microprocessors I ....................................4
Choose any two or more of the following ENTC classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENTC 3350</td>
<td>Industrial Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4287</td>
<td>Introduction to Robotics</td>
<td>3</td>
</tr>
<tr>
<td>ENTC Technical electives*</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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Total Credit Hours w/Prog. & Auto. Seq. ....... 134-136

**General Manufacturing Sequence**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENTC 3010</td>
<td>Statis &amp; Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3240</td>
<td>Engr. Materials &amp; Materials Testing</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 4257</td>
<td>Plant Layout &amp; Materials Handling</td>
<td>3</td>
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Choose any three or more of the following ENTC classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 3600</td>
<td>Manufacturing Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3680</td>
<td>Polymers and Composites</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4227</td>
<td>Engineering Economy</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4237</td>
<td>Time and Motion</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 4247</td>
<td>Operational Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENTC Technical elective*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

Total Credit Hours w/Gen. Mfg. Sequence ...... 133-135

1 CSCI 1250, 1310, or 1800 may be substituted for CSCI 2100.
2 MATH 1910 and 1920 will satisfy the MATH 1840/1850 Sequence.
3 CHEM 1120/1121 may be substituted for PHYS 2020/2021.
4 In special cases and only with the approval of a MET program advisor, a student may develop a track of technical electives selected with the goal of developing proven technical understanding and competence in one or two manufacturing areas.
5 ENTC electives may be chosen from any of the offerings in the other speciality sequence or any of the following: ENTC 4217, 4347, 4900, 4957, 4989, 4999.
6 Cooperative Education (ENTC 4989/4999) may be substituted for ENTC 3600.

TECHNOLOGY EDUCATION CONCENTRATION

This concentration offers a curriculum designed to prepare individuals for teacher certification in the public schools. It includes a variety of laboratory and classroom experiences that prepare the prospective teacher to help students learn about technology, its evolution, systems, techniques, utilization in industry and other fields, and its social and cultural significance.

General Education Requirements and other requirements for the technology education concentration:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
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<tr>
<td>ENGL 1020</td>
<td>Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530</td>
<td>Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology*</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1110/1111</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2010/2011</td>
<td>General Physics I - Non-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 1012</td>
<td>Introduction to Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010/2020</td>
<td>History of United States</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 2330</td>
<td>World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3020</td>
<td>Technology and Society</td>
<td>3</td>
</tr>
<tr>
<td>PEXS 3500 or HUMT 2320 (Arts &amp; Artistic Vision)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHIL 1030, 2020, 2210 or WMTS 2010 (Identity, Ethics &amp; Social Responsibility)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Elective (Institutions and Society)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENTC 1510</td>
<td>Student in University**</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3030</td>
<td>Technical Communication</td>
<td>3</td>
</tr>
<tr>
<td>PEXS/PHED, MSCI, or Marching Band</td>
<td>2</td>
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<td><strong>Total</strong></td>
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Professional Education Requirements:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HDAL 2330</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 2100</td>
<td>Orientation to Profession of Education</td>
<td>1</td>
</tr>
<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 2300</td>
<td>Exceptional Learners in Schools</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4647</td>
<td>Job Analysis &amp; Curriculum Organization</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4747</td>
<td>Instructional Management Indust. Educ.</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4787</td>
<td>Coordinating Student Clubs &amp; Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4787</td>
<td>Methods Teaching Voc/Tech Education</td>
<td>3</td>
</tr>
<tr>
<td>READ 4437</td>
<td>Reading in Middle/Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>CUAJ 4580</td>
<td>Student Teaching</td>
<td>12</td>
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<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
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Technical Requirements:

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<th>Course Title</th>
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<tbody>
<tr>
<td>ENTC 1110</td>
<td>Engineering Drawing</td>
<td>4</td>
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<tr>
<td>ENTC 1600</td>
<td>Introduction to Technology Education</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 1610</td>
<td>Woodworking Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 2160 or 2170 CADD</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENTC 2200</td>
<td>Machine Tool Technology</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 2821</td>
<td>Desktop Publishing</td>
<td>4</td>
</tr>
<tr>
<td>ENTC 3600</td>
<td>Manufacturing Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3610</td>
<td>Construction Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3650</td>
<td>Applied Electricity</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3660</td>
<td>Communication Systems Technology</td>
<td>3</td>
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<tr>
<td>ENTC 3670</td>
<td>Energy/Pow/Transportation</td>
<td>3</td>
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<tr>
<td>ENTC 4287</td>
<td>Introduction to Robotics</td>
<td>3</td>
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<td><strong>Total</strong></td>
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Program Total: .......................................................... 138

*Can be completed by passing the UIT Challenge Exam
**Required of all entering students with less than 15 semester hours of college credit.

Suggested Course Sequence for All B.S. Majors in the Technology Education Concentration

**Freshman - First Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
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<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 1510</td>
<td>Student in the University</td>
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<tr>
<td>ENTC 1600</td>
<td>Introduction to Technology Education</td>
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<tr>
<td>EDFN 1110</td>
<td>Engineering Drawing</td>
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<tr>
<td>EDFN 1200</td>
<td>Orientation to the Profession of Education</td>
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**Freshman - Second Semester**

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<tr>
<td>HIST 2010</td>
<td>The United States Since 1877</td>
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<tr>
<td>ENTC 1610</td>
<td>Woodworking Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3660</td>
<td>Communication Systems Technology</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2010/2011</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 1020, 2020, 2110, or WMTS 2010</td>
<td>3</td>
<td></td>
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<tr>
<td>PHED 2020</td>
<td>(Physical Activities)</td>
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**Sophomore - First Semester**

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<tr>
<td>ENTC 3030</td>
<td>Technical Communication</td>
<td>3</td>
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<tr>
<td>ENTC 3600</td>
<td>Manufacturing Technology</td>
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</tr>
<tr>
<td>HDAL 2330</td>
<td>Adolescent Psychology</td>
<td>3</td>
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<tr>
<td>PEXS 3500 or HUMT 2320</td>
<td>(Arts &amp; Artistic Vision)</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
<td>3</td>
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**Sophomore - Second Semester**

<table>
<thead>
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<th>Course Title</th>
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<td>ENTC 3030</td>
<td>Technical Communication</td>
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<tr>
<td>ENTC 3600</td>
<td>Manufacturing Technology</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
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<tr>
<td>ENTC 3650</td>
<td>Applied Electricity &amp; Electronics</td>
<td>3</td>
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<tr>
<td>ENTC 3690</td>
<td>Desktop Publishing</td>
<td>4</td>
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<tr>
<td>EDFN 4647</td>
<td>Job Analysis &amp; Curriculum Organization</td>
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**Junior - First Semester**

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<td>Machine Tool Technology</td>
<td>4</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3650</td>
<td>Applied Electricity &amp; Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 3690</td>
<td>Desktop Publishing</td>
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</tr>
<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
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Junior - Second Semester

<table>
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<tr>
<td>ENGL 2330</td>
<td>World Literature</td>
<td>3</td>
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<tr>
<td>ENTC 3610</td>
<td>Construction Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4747</td>
<td>Instructional Management in Industrial Education</td>
<td>3</td>
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Senior - First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENTC 4776</td>
<td>Coordinating Student Clubs</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4750</td>
<td>Energy/Power/Transportation</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4287</td>
<td>Introduction to Robotics</td>
<td>3</td>
</tr>
<tr>
<td>READ 4437</td>
<td>Read Middle/Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4787</td>
<td>Methods of Teaching Vocational/Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
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</table>

Senior - Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUA1 4580</td>
<td>Directed Student Teaching</td>
<td>12</td>
</tr>
<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
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</tr>
<tr>
<td>TOTAL</td>
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</table>

Teacher Education Entrance Requirements:

All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Education Student Services, Room 321, Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in any professional education courses.

Additionally, students must obtain a designated minimal test score on the PPST, ACT, or SAT and have a 2.5 GPA in 30 earned hours. Course EDFN 3300 must be completed with a grade of ‘C’ or better and the candidate needs to be successful in the College of Education Admission Board interview.

Division of Vocational Education

The Division of Vocational Education is a coordinating unit which provides assistance concerning vocational education matters in the areas of business education, health occupations education, home economics, and trade and industrial education. The division coordinates all curricular and program designs for the bachelor’s and master’s degrees in these areas.

The division also serves as the contact unit regarding vocational matters between the university and outside persons and/or agencies. Personnel are available for consulting on vocational matters whenever their expertise is needed. This activity is subject to university policy.

All students enrolled in any of the programs for which the Division of Vocational Education serves as coordinator will be enrolled in the College of Applied Science and Technology.

For specific information regarding the division’s programs, students should contact the director of the division or the dean of the College of Applied Science and Technology.

Programs Available

The Division of Vocational Education offers the following programs:

1. B.S. degree with a major in home economics. (For preparation of secondary home economics education teachers, see Applied Human Sciences.)

2. Trade and industrial and health occupations education. The required 18 semester hours for the professional certification of trade and industrial and health occupations teachers is available in the Department of Technology. Initial endorsement in trade shop is issued by direct application to the Division of Teacher Education and Certification, State Department of Education, Nashville. For further information, see the subheading section of this catalog, titled “Trade and Industry.”

3. Minor is offered in Applied Human Sciences.

Teacher Education

The division has a state-approved teacher education program for the preparation of teachers in family and consumer sciences, and trade and industrial education. General education, professional education, and other requirements necessary for Tennessee certification may be found under “Teacher Education.” Special departmental requirements are listed under the section of this catalog for the respective departments.

Trade and Industry

Vocational Trade and Industrial Certification

The following courses have been approved by the State Department of Vocational Education and the State Board of Education for the professional certification of trade and industrial teachers. The applicant must complete 18 semester hours which include the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTC 4647</td>
<td>Job Analysis &amp; Curriculum Organization</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4747</td>
<td>Instructional Management in Ind. Educ.</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4776</td>
<td>Coordinating of Student Clubs &amp; Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4787</td>
<td>Methods of Teaching Voc/Tech Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 2300</td>
<td>Exceptional Learners in Schools</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>(consult with advisor)</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Learning is a lifelong process. Education in the liberal arts provides the means of discovering and using knowledge to elevate the standards of human existence today and in the future. Such study liberates the individual to become a more effective citizen.

The College of Arts and Sciences consists of the departments of Art and Design, Biological Sciences, Chemistry, Communication, Criminal Justice and Criminology, English, Foreign Languages, History, Mathematics, Music, Philosophy and Humanities, Physics, Political Science, Psychology, Social Work, and Sociology and Anthropology. Interdisciplinary studies are also offered in African and African American Studies, Film Studies and Women's Studies.

The college offers a well-rounded liberal education program which enhances students’ ability to lead satisfying personal lives; provides academic background for prospective elementary and secondary teachers; and offers professional training in criminal justice, journalism, and social work. The college’s curriculum introduces students to major fields of interest in humanities, social sciences, natural sciences, and selected service professions.

The College of Arts and Sciences defines liberal education as including three major components: 1) the central elements of knowledge, 2) essential skills for analysis, communication, decision making, and lifelong learning, and 3) constructive orientation toward society.

Central Elements of Knowledge

1. Students should recognize and appreciate central facts and concepts of history and culture.
2. Students should have a basic comprehension of the natural and physical world.
3. Students should develop the ability to analyze and to understand social groupings throughout the world. To achieve this capability, coursework is required in the arts, humanities, and social sciences.
4. Students should demonstrate understanding and application of methods of inquiry central to the natural and physical sciences.

Skills for Analysis, Communication, Decision Making, and Lifelong Learning

Arts and Sciences students learn how to learn, and how to develop skills in expressing what they have acquired. College requirements aim to ensure that students read and analyze at an appropriate level. Students must speak and write clearly and effectively. The skills of spoken and written analysis, synthesis, and criticism are developed. Students are encouraged to conceptualize and to use abstract thought in order to enhance general understanding.

A Constructive Orientation Toward Society

Liberal education should benefit society by enhancing each individual’s capacity to make informed and responsible choices. Educated people have a stronger level of support for democratic ideals. The abilities provided by liberal education strengthen democratic values and behavior.

Preprofessional Studies

The College of Arts and Sciences offers programs designed to prepare students for advanced studies and for professional schools. These preprofessional areas include CRIMINAL JUSTICE; PRE-MEDICAL ILLUSTRATION (Department of Art and Design); concentrations in ADVERTISING, BROADCASTING, JOURNALISM, and PUBLIC RELATIONS (Department of Communication); PRE-LAW; PRE-ENGINEERING; and a variety of MEDICAL PROFESSIONS.

Students following preprofessional programs in Criminal Justice, Pre-Medical Illustration, or the Communication areas should consult an advisor in the appropriate department. Candidates for Pre-Law should contact the University Pre-Law Advisor in the Department of Political Science. Pre-Engineering students will be advised through the College of Applied Science and Technology. Pre-Pharmacy students should contact the appropriate advisor in the Department of Chemistry. The College of Arts and Sciences’ Office of Medical Professions Advisement assists students preparing for careers in the Medical Professions, such as chiropractic, medicine, optometry, osteopathic medicine, dentistry, physician assistant, podiatric medicine, and veterinary medicine.

Students considering careers in the Medical Professions should consult their advisor before enrolling at ETSU. All preparatory curricula are specific and structured, and a failure to register for appropriate courses during the first year may result in the loss of an academic year of progress. The medical professions advisor provides assistance regarding:

1. proper skills for successful competition in undergraduate and professional schools,
2. standardized test procedures,
3. alternate career opportunities, interview success,
4. timing of coursework and entrance tests, and
5. procedures for application to the medical profession schools.

Direct inquiries concerning medical professions careers to:

Office of Medical Professions Advisement
P.O. Box 70592, East Tennessee State University
Johnson City, TN 37614
(423) 439-5602

B.A./B.S. - M.B.A. 3/2 Program

Well-qualified undergraduate students in the College of Arts and Sciences who are interested in pursuing a Master of Business Administration (M.B.A.) degree in a total of five years should consider the joint 3/2 program with the College of Business. These students should consider the General Business Minor (see under Department of Economics, Finance, and Urban Studies, College of Business) as part of their program of study. Students who complete this minor and use free electives within their major to complete business prerequisite coursework should be able to complete the M.B.A. with one additional year of graduate coursework. Interested students should contact the Director of Graduate Programs in the College of Business (Room 214 Sam Wilson Hall, [423] 439-5314) for additional information.
## COLLEGE OF ARTS AND SCIENCES B.A. AND B.S. DEGREE REQUIREMENTS

Students majoring in the College of Arts and Sciences must meet the following requirements for the B.A., B.S., or the B.S. with a social or behavioral sciences concentration. Some of these requirements are in addition to the General Education Core, whereas others specify which courses within the General Education Core must be taken.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Bachelor of Arts</th>
<th>Bachelor of Science</th>
<th>Bachelor of Science (Concentration for Social &amp; Behavioral Sciences)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Languages</td>
<td>6 hours of a single language at or above the 2000 level</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Non-U.S. History</td>
<td>3 hours</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MATH 1530, MATH 1820, MATH 1910, or MATH 1840</td>
<td>4 hours, including experience in the differential and integral calculus</td>
<td>MATH 1530</td>
</tr>
<tr>
<td></td>
<td>(1) MATH 1910, 4 hours (Prerequisite: 2 years high school algebra and 1 year trigonometry or MATH 1720 [3 hours])</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) MATH 1810, 1820, 6 hours (Prerequisite: 2 years high school algebra)</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3) MATH 1840, 1850, 6 hours (Prerequisite: 2 years high school algebra and 1 year trigonometry or MATH 1720 [3 hours])</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>See General Education Core</td>
<td>8 hours of single laboratory science in addition to General Education Core</td>
<td>8 hours of single laboratory science</td>
</tr>
<tr>
<td></td>
<td>(1) ASTR 1010, ASTR 1020</td>
<td>OR</td>
<td>(1) ASTR 1010, ASTR 1020</td>
</tr>
<tr>
<td></td>
<td>(2) BIOL 1110/1111 and 1120/1121 or 1130/1131</td>
<td>OR</td>
<td>(2) BIOL 1110/1111 and 1120/1121 or 1130/1131</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>BIOL 1010/1011, 1020/1021</td>
<td>OR</td>
<td>BIOL 1010/1011, 1020/1021</td>
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<tr>
<td></td>
<td>OR</td>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>CHEM 1110/1111, 1120/1121</td>
<td>OR</td>
<td>CHEM 1110/1111, 1120/1121</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>GEOG 1110, 1120</td>
<td>OR</td>
<td>GEOG 1110, 1120</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>GEOL 1040, 1050, (labs included)</td>
<td>OR</td>
<td>GEOL 1040, 1050, (labs included)</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>Higher level laboratory courses in these departments also meet this requirement.</td>
<td>Higher level laboratory courses in these departments also meet this requirement.</td>
<td>Higher level laboratory courses in these departments also meet this requirement.</td>
</tr>
<tr>
<td>Statistics and Research Methods</td>
<td>See departmental requirements</td>
<td>See departmental requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 hours from each of the following areas:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) Social Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) PSYC 2810 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) CJCR 3000 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(c) SOAA 4387 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2) Reasoning and Argumentation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) PHIL 2030 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) SPCH 2320 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3) Research Design for Social Sciences (subject to departmental restrictions)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) PSYC 2311 and 2312 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) PSYC 3039 and 3031 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(c) CJCR 2000 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(d) SOAA 3210 or 4627 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(e) GEOG 2310 or 4807 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(f) SPCH 3330 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(4) Microcomputer Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) SOAA 3444 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) PSYC 3444 OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(c) CJCR 3444 OR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Candidates for the following undergraduate degrees should consult the appropriate section of this catalog: B.F.A. (Studio Art), B.M. (Music), B.S.W. (Social Work).
African and African American Studies Program (AFAM)

The African and African American Studies Program promotes the awareness and understanding of issues related to peoples of African descent. Drawing upon the broad resources of the university, the program offers and coordinates a variety of co-curricular and extracurricular activities. It encourages regular course offerings on both African and African American topics in a number of departments. A multidisciplinary faculty committee oversees the work of the program. An effort is made to consult with interested students to ensure that the activities and course offerings are responsive to students’ needs.

Because of its great flexibility, the program serves as an attractive option for students in a wide variety of majors. In consultation with an African and African American Studies advisor, students may plan a course of study in the AFAM minor which will complement their majors, enhance their employment skills, and enrich the knowledge gained in their university studies.

African and African American Studies Minor

A minor in African and African American studies requires the completion of 21 hours of coursework, including the following:

- HIST 3720 History of Africa ................. 3 credits
- HIST 3900 African American History to 1877 .... 3 credits
- HIST 3901 African American History since 1877 .... 3 credits
- SOAA 3110 Minorities ............................ 3 credits

An additional 9 credits of upper division coursework must be approved by an advisor. At least 3 credits must be in African studies and 3 credits must be in African American studies. Appropriate classes, including special topics and independent study courses, may be taken in any field; however, no courses counting toward the student’s major may be counted toward satisfying the minor’s requirements.

TOTAL .................................................. 21

A Partial Listing of Courses in African and African American Studies

Course information below is listed in order of course number, course title, and credit hours.

African and African American Studies (AFAM)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFAM 3989</td>
<td>Cooperative Education</td>
<td>3</td>
</tr>
<tr>
<td>AFAM 3999</td>
<td>Cooperative Education</td>
<td>3</td>
</tr>
<tr>
<td>AFAM 4900</td>
<td>Special Studies</td>
<td>3</td>
</tr>
<tr>
<td>AFAM 4950</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ART (ARTA)</td>
<td>Special Topics on Survey of the Arts of Africa, Ocean and the Americas</td>
<td>3</td>
</tr>
<tr>
<td>CJCR 4620</td>
<td>Race, Gender, and Crime</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4032</td>
<td>African Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4300</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4307</td>
<td>Regional Geography: Geography of Africa</td>
<td>3</td>
</tr>
</tbody>
</table>

History (HIST)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3720</td>
<td>History of Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3900</td>
<td>African American History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3901</td>
<td>African American History since 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4727</td>
<td>Modern Africa</td>
<td>3</td>
</tr>
</tbody>
</table>

Music (MUSC)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 2110</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
</tbody>
</table>

Sociology and Anthropology (SOAA)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOAA 3110</td>
<td>Minorities</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4957</td>
<td>Special Topics: Any topic related to Africa or African Americans</td>
<td>3</td>
</tr>
</tbody>
</table>

Appalachian Studies Minor (APST)

The Appalachian Studies minor is an interdisciplinary program for students who would like to gain a greater appreciation for the history and heritage, problems and potentials of the Appalachian region and who may be interested in pursuing careers in the region. To complete the Appalachian Studies minor, students are required to take Introduction to Appalachian Studies (APST 2060), and Current Issues in Appalachian Studies (APST 4997) and then select 12 credit hours of electives for a total of 18 credit hours. Students are required to take courses in at least two different departments to develop an interdisciplinary study while allowing them to focus on their personal interests in regionally related issues. No more than three credit hours taken as part of the Appalachian Studies minor may be counted toward a major in any field.

Students are encouraged to design a course grouping in consultation with the Appalachian Studies coordinator that suits their own personal and professional interests. The 12 hours of electives should be selected from 1) regularly offered courses, 2) topical or special problems courses, and 3) independent studies courses focusing on regional issues. Independent studies and special problems courses should be arranged in consultation with the instructor and the coordinator of the Appalachian Studies minor. Students wishing to explore the Scottish and Irish heritage of the Appalachian region should enroll in Appalachian, Scottish and Irish Studies (APST 4957/ENGL 4957) which is co-sponsored by the Center for Appalachian Studies and Services, Department of English, Office of International Programs, and University of Edinburgh.

Possible course groupings include, but are not limited to:

Regional History and Culture:

- APST 2060 Introduction to Appalachian Studies ............ 3
- APST 4997 Current Issues in Appalachian Studies ............ 3
- SOWK 2400 Social Institutions and Appalachian Culture .......... 3
- ENGL 3650 American Folklore .................................. 3
- ENGL 4067 Literature of Southern Appalachia .................. 3
- ENGL 4957 Appalachian, Scottish & Irish Studies ............... 3
- GEOG 4077 Geography of Southern Appalachia ................. 3
- HIST 4167 History of Southern Appalachia ..................... 3
- HIST 2030 History of Tennessee .................................. 3
- HIST 4147 The Old South, 1607-1860 .......................... 3
- HIST 4157 The South Since 1865 ................................. 3

Total Credit hours for minor .................................................. 18

Regional Politics and Community Development:

- SOAA 2060 Introduction to Appalachian Studies ............ 3
- SOWK 2400 Social Institutions and Appalachian Culture .......... 3
- HIST 4167 History of Southern Appalachia ..................... 3
- PSCI 4457 Power and Politics in Appalachia ................. 3
- PSCI 4637 Local and Regional Planning ......................... 3
Statement of Purpose

The Department of Art and Design has the responsibility to provide education of high quality in the professional art and art education disciplines. Our mission is to prepare and produce students who are equipped to function capably in their chosen area of the visual arts.

Undergraduate degrees that may be earned include: B.F.A., B.S., and B.A. The B.F.A. is recommended for those students who wish to follow a professional career in the studio arts. The B.A. is available for students who wish to major in art history or studio art. Please see the programs listed below for more details.

Graduate degrees that may be earned include: M.F.A. and M.A. The M.F.A. is the terminal degree in studio art for practicing artists, and university or college teaching of art. The M.A. may be earned in art studio, or art history. Please see the graduate catalog for more details.

An art major may specialize in one or more of the following areas: art history, painting, drawing, sculpture, printmaking, commercial art, graphic design, photography, ceramics, fibers, and jewelry and metalsmithing.

Art majors must take the following art courses during the freshman year:

**Regional Music and Folk Culture:**
(Choose 18 credits total, including APST 2060 and APST 4997)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APST 2060</td>
<td>Intro. to Appalachian Studies</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1280</td>
<td>Bluegrass Band</td>
<td>1</td>
</tr>
<tr>
<td>*MUSC 1871</td>
<td>Applied Guitar</td>
<td>1,2</td>
</tr>
<tr>
<td>*MUSC 1881 or 1882</td>
<td>Guitar Class</td>
<td>1</td>
</tr>
<tr>
<td>SOAA 2040</td>
<td>Folk Culture in the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4357</td>
<td>Mass Communications &amp; Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2120</td>
<td>History of Country Music</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4627</td>
<td>Ethnographic Fieldwork Techniques</td>
<td>3</td>
</tr>
<tr>
<td>READ 4147</td>
<td>Basic Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>APST 4997</td>
<td>Current Issues in Appalachian Studies</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 2150/MUSC 2150</td>
<td>American Folk Music</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit hours for minor: 18

*Note: Individual instruction is also available for mandolin, fiddle and oldtime banjo. These courses carry 1 credit hour.

**Regional Environment and Ecology:**
(choose 18 credits total, including APST 2060 and APST 4997)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APST 2060</td>
<td>Intro. to App. Studies</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4247</td>
<td>App. Flora</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4257</td>
<td>App. Fauna</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4077</td>
<td>Geography of Southern App.</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4167</td>
<td>History of Southern App.</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3710</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>APST 4997</td>
<td>Current Issues of App. Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Regional Arts and Crafts:**
(choose 18 credits total, including APST 2060 and APST 4997)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>APST 2060</td>
<td>Intro. to App. Studies</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 2071 or 3071</td>
<td>Weaving</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 3073</td>
<td>Fiber Construction for Weaving</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 3380</td>
<td>Vegetable Dyeing</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 3091 or 3092</td>
<td>Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4167</td>
<td>History of Southern App.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4067</td>
<td>Literature of Southern App.</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4357</td>
<td>Mass Comm. &amp; Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>APST 4997</td>
<td>Current Issues in App. Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

After 36 hours in art and before 45 hours in art have been completed, students may select 6 hours of courses in art history, painting, drawing, sculpture, printmaking, commercial art, graphic design, photography, ceramics, fibers, and jewelry and metalsmithing. Please see the catalog for more details.

**Course Requirements:**

The General Education Core courses are listed earlier in this catalog. The following art courses are required in addition to those taken during the freshman year:

**B.F.A. REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTA 1201</td>
<td>Drawing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 1110</td>
<td>2-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 1204</td>
<td>Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 1140</td>
<td>3-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 2010</td>
<td>Art History I (satisfies Humanities)</td>
<td>3</td>
</tr>
<tr>
<td>ARTA 2020</td>
<td>Art History II (satisfies Art &amp; Artistic Vision)</td>
<td>3</td>
</tr>
</tbody>
</table>

---

Accredited by: ETSU is an accredited institutional member of the National Association of Schools of Art and Design, and the Department of Art and Design holds membership in the College Art Association and other professional art organizations.
Six 2000-level studio courses approved for area concentration ............................................. 18
Three 4000-level Art History courses with one selected from either ARTA 4067 or ARTA 4077 .......................... 9
Works in Progress Review (taken after 36 & before 45 ARTA credits) ........................................ 9
Six 3000-level studio courses approved for area concentration .................................................. 18
Nine 4000-level studio courses approved for area concentration .................................................. 27
One ARTA studio elective .................................................................................................................. 1
Meet with Portfolio Exhibition Committee the semester before the Senior Exhibition ................. 3
ARTA 4916 Portfolio & Exhibit ........................................................................................................... 3
Plus additional General Education Requirements (approx. Credit): .................................................. 38
P.E. Requirements ............................................................................................................................. 2

Total (approx.): .......................................................... 134 credits

Each area of specialization has a list of required classes to be taken. The students must take 4916 Portfolio and Exhibit during the last semester of undergraduate work. The B.F.A. program requires a total of approximately 134 credit hours.

It is essential that students work closely with their art advisor in selecting classes.

The B.A. Degree in Art History or Studio Art

The Department of Art and Design recommends this degree for those students interested in specializing in art history. The B.A. degree provides a solid liberal arts education with a specialization in art history. The student may continue toward the M.A. or Ph.D. in art history after earning a B.A. degree in art history.

The student may elect to pursue the B.A. degree in studio art. In that event the student should discuss this option carefully with the appropriate advisor. A student may major in art and minor in another department or major and minor in art. The B.A. degree requires completion of a foreign language at the second-year level. (See the College of Arts and Sciences B.A. degree requirements.)

Course Requirements – The General Education Core Requirements are listed earlier in this catalog. The following art courses are required in addition to those in the freshman year:

B.A. ART HISTORY REQUIREMENTS

| ARTA 1201 Drawing Fundamentals | 3 |
| ARTA 1110 2-D Design | 3 |
| ARTA 1204 Color Theory | 3 |
| ARTA 1140 3-D Design | 3 |
| ARTA 2010 Art History I (satisfies Humanities) | 3 |
| ARTA 2020 Art History II (satisfies Art & Artistic Vision) | 3 |
| Three studio courses 2000-level or above | 9 |
| One studio course at 3000 or above | 3 |
| Seven electives in minor area | 21 |
| Eight 4000-level Art History courses | 24 |
| General Education Requirements | 38 |
| P.E. Requirements | 2 |
| Non-U.S. History | 3 |
| Language Requirements equivalent to the completion of two years of college-level language proficiency | 12 |

Total (approx.): .............................................. 128 credits

The B.A. degree in Art History requires a total of approximately 128 credit hours.

It is essential that students work closely with their advisor in selecting classes.

*The B.A. Studio Art Students should select ARTA 4067 or 4077 as one of the three 4000-level art history courses required.

The student will have elective hours available and should consult with the advisor about how best to utilize these hours. The B.A. degree in Studio Arts requires a total of approximately 130 credit hours.

B.A. STUDIO REQUIREMENTS

| ARTA 1201 Drawing Fundamentals | 3 |
| ARTA 1110 2-D Design | 3 |
| ARTA 1204 Color Theory | 3 |
| ARTA 1140 3-D Design | 3 |
| ARTA 2010 Art History I (satisfies Humanities) | 3 |
| ARTA 2020 Art History II (satisfies Art & Artistic Vision) | 3 |
| Six 2000-level studio courses | 18 |
| Three 4000-level Art History courses with one selected from either ARTA 4067 or ARTA 4077 | 9 |
| Eleven 3000- and 4000-level studio courses | 33 |
| Plus additional General Education Requirements (approx. credits) | 38 |
| P.E. Requirements | 2 |
| Non-U.S. History | 3 |
| Language Requirement equivalent to the completion of two years of college-level language proficiency | 12 |

Total (approx.): .......................................... 133

B.A. STUDIO WITH NON-ART MINOR REQUIREMENTS

| ARTA 1201 Drawing Fundamentals | 3 |
| ARTA 1110 2-D Design | 3 |
| ARTA 1204 Color Theory | 3 |
| ARTA 1140 3-D Design | 3 |
| ARTA 2010 Art History I (satisfies Humanities) | 3 |
| ARTA 2020 Art History II (satisfies Art & Artistic Vision) | 3 |
| Three 2000-level studio courses | 9 |
| Three 4000-level Art History courses with one selected from either ARTA 4067 or ARTA 4077 | 9 |
| Seven 3000- and 4000-level studio courses | 21 |
| Minor Requirements from Non-Art Area | 18-24 |
| Plus additional General Education Requirements (approx. credits) | 38 |
| P.E. Requirements | 2 |
| Non-U.S. History | 3 |
| Language Requirements equivalent to the completion of two years of college-level language proficiency | 12 |

Total (approx.): ...................................... 133

Minor in Art under the B.S. or B.A.

The minor in art may be taken in conjunction with a major in another department.

Art minor: Seven art courses selected in consultation with the chair of the Department of Art and Design for a total of 21 semester hours.

Art Teaching

Students who are interested in the Art Education field should consider completing the B.A. or B.F.A. Studio degree and then apply for the M.A.T. program. See the College of Education.

Graduate Study in Art

The Department of Art and Design also offers the master of fine arts and master of arts degrees. Further information on the program is contained in the Graduate Catalog.

Penland Courses

Students may earn East Tennessee State University credit by taking art courses at the Penland School of Crafts in Penland, N.C.

Penland School hosts renowned instructors for short-term (one- to eight-week) courses of study in the following areas: wood, surface design, fiber,
### Suggested Course Sequence for B.F.A., Art Majors

#### Freshman - Fall Semester
- **ENGL 1010** Critical Reading and Expository Writing .................................. 3
- **PHED 1XXX** Physical Education (Fitness) .......................................................... 1
- **HIST 2010** United States to 1877 ................................................................... 3
- **ARTA 1100** 2-D Design .................................................................................. 3
- **ARTA 2010** Art History Survey I ...................................................................... 3

**TOTAL** .................................................................................................................. 16

#### Freshman - Spring Semester
- **ENGL 1020** Critical Thinking and Argumentation ........................................... 3
- **PHED 2XXX** Physical Education (Lifelong) ....................................................... 1
- **HIST 2020** United States Since 1877 ................................................................. 3
- **ARTA 1200** Color Theory ................................................................................ 3
- **ARTA 1140** 3-D Design .................................................................................. 3
- **ARTA 2020** Art History Survey II .................................................................... 3

**TOTAL** .................................................................................................................. 16

#### Sophomore - Fall Semester
- **Using Mathematics** .......................................................................................... 3
- **CSCI 1100** Using Information Technology ....................................................... 3
- **PSCI 1110** Political Life .................................................................................... 3
- **ARTA 2401** Commercial Art ........................................................................... 3
- **ARTA 2XXX** See advisor check sheet for selection ........................................... 3

**TOTAL** .................................................................................................................. 18

#### Sophomore - Spring Semester
- **Areas of Familiarity, Science** .......................................................................... 4
- **ARTA 2120** Basic Figure .................................................................................. 3
- **ARTA 2XXX** See advisor check sheet for selection ........................................... 6
- **ARTA 4077** Contemporary Art ......................................................................... 3

(Note: For semesters of 18 or more credit hours, it is advisable to distribute some of these courses, by taking them during the summer.)

<table>
<thead>
<tr>
<th>Institutions and Society</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heritage (ENGL 2XXX)</td>
<td>3</td>
</tr>
<tr>
<td><strong>ARTA 3XXX</strong> See advisor check sheet for selection</td>
<td>9</td>
</tr>
<tr>
<td><strong>ARTA 4XXX</strong> Art History</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** .................................................................................................................. 18

#### Junior - Fall Semester
- **Institutions and Society** ................................................................................ 3
- **Heritage (ENGL 2XXX)** .................................................................................. 3
- **ARTA 3XXX** See advisor check sheet for selection ........................................... 9
- **ARTA 4XXX** Art History ................................................................................ 3

(Note: For semesters of 9 upper-level studio courses, it is advisable to distribute some of these courses into the summer.)

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</thead>
<tbody>
<tr>
<td><strong>ARTA 3XXX</strong> See advisor check sheet for selection</td>
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</tr>
<tr>
<td><strong>ARTA 4XXX</strong> Art History</td>
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</tr>
</tbody>
</table>

**TOTAL** .................................................................................................................. 18

#### Junior - Spring Semester
- **Institutions and Society** ................................................................................ 3
- **ARTA 3XXX** See advisor check sheet for selection ........................................... 9
- **ARTA 4XXX** See advisor check sheet for selection ........................................... 6

**TOTAL** .................................................................................................................. 18

#### Senior - Fall Semester
- **Areas of Familiarity, Science** .......................................................................... 4
- **ARTA 4XXX** See advisor check sheet for selection ........................................... 9
- **ARTA 4XXX Art History** ................................................................................ 3

<table>
<thead>
<tr>
<th><strong>ARTA 4XXX</strong> Art History</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>ARTA 4XXX</strong> See advisor check sheet for selection</td>
<td>9</td>
</tr>
<tr>
<td><strong>ARTA 4XXX Art History</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** .................................................................................................................. 18

#### Senior - Spring Semester
- **ARTA 4XXX** See advisor check sheet for selection ........................................... 12
- **ARTA 4XXX or 4XXX, elective** ........................................................................ 1
- **ARTA 4961** Portfolio Exhibition ..................................................................... 3

**TOTAL** .................................................................................................................. 16

**TOTAL for B.A. Degree, Art History Majors** ....................................................... 134

### Suggested Course Sequence for B.A., Studio Majors

#### Freshman - Fall Semester
- **ENGL 1010** Critical Reading and Expository Writing .................................. 3
- **PHED 1XXX** Physical Education (Fitness) ....................................................... 1
- **Language Requirement or equivalency** .......................................................... 3
- **ARTA 1201** Drawing Fundamentals ............................................................... 3
- **ARTA 1110** 2-D Design .................................................................................. 3
- **ARTA 2010** Art History Survey I ................................................................... 3

**TOTAL** .................................................................................................................. 16

#### Freshman - Spring Semester
- **ENGL 1020** Critical Thinking and Argumentation ........................................... 3
- **PHED 2XXX** Physical Education (Lifelong) ....................................................... 1
- **Language Requirement or equivalency** .......................................................... 3
- **ARTA 1204** Color Theory ................................................................................ 3
- **ARTA 1140** 3-D Design .................................................................................. 3
- **ARTA 2020** Art History Survey II ................................................................... 3

**TOTAL** .................................................................................................................. 16

#### Sophomore - Fall Semester
- **CSCI 1100** Using Information Technology ....................................................... 3
- **PSCI 1110** Political Life .................................................................................... 3
- **Language Requirement 2XXX or above** .......................................................... 3
- **ARTA 2401** Commercial Art ........................................................................... 3
- **ARTA 4XXX Art History** ................................................................................ 3

**TOTAL** .................................................................................................................. 16

#### Sophomore - Spring Semester
- **Areas of Familiarity, Science** .......................................................................... 4
- **Non-U.S. History** ............................................................................................ 3
- **ARTA 4XXX Art History** ................................................................................ 3
- **Minor elective** ................................................................................................. 6

**TOTAL** .................................................................................................................. 15

#### Junior - Spring Semester
- **Institutions and Society** ................................................................................ 3
- **ARTA 4077** Contemporary Art ......................................................................... 3
- **ARTA 4XXX Art History** ................................................................................ 3
- **Minor elective** ................................................................................................. 6

**TOTAL** .................................................................................................................. 15

#### Senior - Spring Semester
- **Areas of Familiarity, Science** .......................................................................... 4
- **ARTA 4XXX Art History** ................................................................................ 3
- **Minor elective** ................................................................................................. 6

**TOTAL** .................................................................................................................. 18

**TOTAL for B.A. Degree, Art History Majors** ....................................................... 128

### Suggested Course Sequence for B.A., Art History Majors

#### Freshman - Fall Semester
- **ENGL 1010** Critical Reading and Expository Writing .................................. 3
- **PHED 1XXX** Physical Education (Fitness) ....................................................... 1
- **Language Requirement or equivalency** .......................................................... 3
- **ARTA 1201** Drawing Fundamentals ............................................................... 3
- **ARTA 1110** 2-D Design .................................................................................. 3
- **ARTA 2010** Art History Survey I ................................................................... 3

**TOTAL** .................................................................................................................. 16

#### Freshman - Spring Semester
- **ENGL 1020** Critical Thinking and Argumentation ........................................... 3
- **PHED 2XXX** Physical Education (Lifelong) ....................................................... 1
- **Language Requirement or equivalency** .......................................................... 3
- **ARTA 1204** Color Theory ................................................................................ 3
- **ARTA 1140** 3-D Design .................................................................................. 3
- **ARTA 2020** Art History Survey II ................................................................... 3

**TOTAL** .................................................................................................................. 16

#### Sophomore - Fall Semester
- **CSCI 1100** Using Information Technology ....................................................... 3
- **Institutions and Society** ................................................................................ 3
- **ARTA 2401** Commercial Art ........................................................................... 3
- **ARTA 2XXX Studio elective** ........................................................................... 6
- **ARTA 4XXX Art History** ................................................................................ 3

**TOTAL** .................................................................................................................. 15

### 2003-2004 Undergraduate Catalog
East Tennessee State University

Sophomore - Spring Semester

Areas of Familiarity, Science ......................................................... 4
ARTA 4XXX See advisor check sheet for selection ....................... 9
PSCI 1110 Political Life ................................................................... 3
TOTAL ....................................................................................... 16

Junior - Fall Semester

ARTA 4XXX Art History ................................................................. 3
Heritage (ENGL 2XXX) ................................................................. 3
ARTA 3XXX or 4XXX, See advisor check sheet for selection .......... 9
Language Requirement in same language .................................... 3
TOTAL ....................................................................................... 18

Junior - Spring Semester

Institutions and Society ................................................................. 3
ARTA 4077 Contemporary Art ....................................................... 3
ARTA 3XXX or 4XXX, See advisor check sheet for selection .......... 9
Language Requirement in same language .................................... 3
TOTAL ....................................................................................... 18

Senior - Fall Semester

Non-U.S. History ............................................................................ 3
ARTA 4XXX See advisor check sheet for selection ....................... 6
ARTA 4XXX Art History ................................................................. 3
Language Requirement in same language .................................... 3
Using Mathematics ....................................................................... 3
TOTAL ....................................................................................... 18

Senior - Spring Semester

ARTA 4XXX See advisor check sheet for selection ....................... 9
Language Requirement in same language .................................... 3
Areas of Familiarity, Science ......................................................... 4
TOTAL ....................................................................................... 16
TOTAL for B.A. Degree, Studio Majors ........................................ 133

Suggested Course Sequence for B.A., Studio Majors with Non-Art Minor

Freshman - Fall Semester

ENGL 1010 Critical Reading and Expository Writing .................. 3
PHED 1XXX Physical Education (Fitness) ..................................... 1
HIST 2010 The United States to 1877 ......................................... 3
ARTA 1201 Drawing Fundamentals .............................................. 3
ARTA 1110 2-D Design ................................................................. 3
ARTA 2010 Art History Survey I .................................................. 3
TOTAL ....................................................................................... 16

Freshman - Spring Semester

ENGL 1020 Critical Thinking and Argumentation ....................... 3
PHED 2XXX Physical Education (Lifetime) ................................. 1
HIST 2020 The United States Since 1877 .................................... 3
ARTA 1204 Color Theory ............................................................. 3
ARTA 1140 3-D Design ............................................................... 3
ARTA 2020 Art History Survey II ............................................... 3
TOTAL ....................................................................................... 16

(Note: For semesters of 18 or more credit hours, it is advisable to distribute some of these courses, by taking them during the summer.)

Sophomore - Fall Semester

CSCE 1100 Using Information Technology .................................. 3
Institutions and Society ............................................................... 3
ARTA 2401 Commercial Art ....................................................... 3
ARTA 2XXX Studio Elective ........................................................ 3
Non-art minor elective ................................................................ 3
TOTAL ....................................................................................... 15

Sophomore - Spring Semester

Areas of Familiarity, Science ......................................................... 4
ARTA 3XXX See advisor check sheet for selection ....................... 3
PSCI 1110 Political Life ............................................................... 3
Non-art minor elective ................................................................ 3
Heritage (ENGL 2XXX) ............................................................... 3
TOTAL ....................................................................................... 16

Junior - Fall Semester

ARTA 4XXX Art History ............................................................... 3
ARTA 3XXX Studio Elective ........................................................ 6
Non-art minor elective ................................................................ 6
Language Requirement in same language .................................. 3
TOTAL ....................................................................................... 18

Junior - Spring Semester

Institutions and Society ............................................................... 3
ARTA 4077 Contemporary Art ....................................................... 3
ARTA 3XXX or 4XXX, Studio Elective ......................................... 6
Non-art minor elective ................................................................ 3
Language Requirement in same language .................................. 3
TOTAL ....................................................................................... 18

Senior - Fall Semester

Non-U.S. History ............................................................................ 3
ARTA 4XXX Studio Elective ........................................................ 3
ARTA 4XXX Art History ............................................................... 3
Non-art minor elective ................................................................ 3
Language Requirement in same language .................................. 3
Using Mathematics ....................................................................... 4
TOTAL ....................................................................................... 18

Senior - Spring Semester

ARTA 4XXX See advisor check sheet for selection ....................... 6
Non-art minor elective ................................................................ 3
Language Requirement in same language .................................. 3
Areas of Familiarity, Science ......................................................... 4
TOTAL ....................................................................................... 16
TOTAL for B.A. Degree, Studio Majors ........................................ 133

Department of Biological Sciences (BIOL)
P.O. Box 70703 Phone: 423/439-4329

The Department of Biological Sciences offers a major in biology leading to the bachelor of science or the bachelor of arts degrees. The major is designed for students who plan to enter such professions as biology, science education, medicine, veterinary medicine, agriculture, conservation, and industry. Courses are also offered for students in other fields of study who desire to acquaint themselves with the phenomena of living organisms. The department also offers the M.S. in biology. Further information on graduate programs is contained in the Graduate Catalog.

In addition to the requirements listed below, a student majoring in biology must complete requirements for the General Education Program and the College of Arts and Sciences requirements for the B.A. or the B.S. degree.

Biology Major

In addition to certain required science and math courses the “standard” Biology major requires 36 semester hours of approved biology courses; a student choosing this major must also complete a minor. An alternative “concentration” in Biology requires 50 semester hours of biology courses; a student meeting that requirement need not complete a minor. In addition, there are two specialized alternative curricula that may be followed for a Biology major: Secondary Biology Education, which requires a minor or a 50-hour concentration (as above); and Biochemistry Concentration, which does not require a minor. The Biochemistry curriculum is for B.S. only.

Advising

Students should consult one of the following advisors when planning their curricula:

“Standard” Biology Majors .......................................................... Hugh Miller
“Concentration” in Biology ......................................................... Hugh Miller
Secondary Biology Education .................................................... Dan M. Johnson
Biological Honors Program ...................................................... Karl Joplin
Biochemistry Concentration ..................................................... Lee M. Pike
Pre-professional students ........................................................... J. Leonard Robertson
General advising ........................................................................ Dan M. Johnson

Biology Minor

A minor consists of 24 semester hours. The courses required are:

BIOL 1110/1111 Biology for Science Majors I and Lab .............. 4
BIOL 1120/1121 Biology for Science Majors II and Lab ............ 4
BIOL 1130/1131 Biology for Science Majors III and Lab .......... 4
BIOL 3100 General Genetics ...................................................... 3

The remaining courses may be selected to reflect the student’s interests.
Credit for the following courses will not apply toward a major or minor in the department:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1000</td>
<td>Academic Advantage</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 1010/1011</td>
<td>Biology for Non-majors I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1020/1021</td>
<td>Biology for Non-majors II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4417</td>
<td>Teaching Biology in High School</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education**

**General Interest Area** – The following courses are designed to satisfy the university’s General Education Curriculum requirements in Science, specific educational requirements, or may be taken for general interest.

**Biology for Non-majors Lecture and Laboratory I and II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010/1011</td>
<td>Ecology/Evolution/Behavior</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1020/1021</td>
<td>Reproduction/Growth/Genetics/</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Biotechnology</td>
<td></td>
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</table>

**Biology for Science Majors Lecture and Laboratory I, II, and III**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1110/1111</td>
<td>Cytology/Genetics AND</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1120/1121</td>
<td>Organismal OR</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1130/1131</td>
<td>Ecology/Evolution</td>
<td>4</td>
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**BIOLOGY CURRICULUM**

**Required Courses**:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CHEM 1110/1111</td>
<td>General Chemistry I &amp; Lab</td>
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</tr>
<tr>
<td>CHEM 1120/1121</td>
<td>General Chemistry II &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2010/2011</td>
<td>Organic Chemistry I &amp; Lab</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 2020/2021</td>
<td>Organic Chemistry II &amp; Lab</td>
<td>5</td>
</tr>
<tr>
<td>MATH 1530</td>
<td>Probability and Statistics - Non-Calculus</td>
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<tr>
<td>MATH 1910</td>
<td>Calculus I &amp; MATH 1530 (for B.S.)</td>
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<tr>
<td>PHYS 2100/2101, 2020/2021</td>
<td>General Physics - Non-Calculus</td>
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<tr>
<td>BIOL 1110/1111</td>
<td>Biology for Science Majors I &amp; Lab</td>
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<tr>
<td>BIOL 1120/1121</td>
<td>Biology for Science Majors II &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1130/1131</td>
<td>Biology for Science Majors III &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3100</td>
<td>General Genetics</td>
<td>3</td>
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</table>

**Advanced Biology**: Four courses at the 3000 or 4000 level.

Select one from each of the areas listed.

**Molecular Level**:

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 3150/3151</td>
<td>Cell Biology &amp; Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4147/4157</td>
<td>Biochemistry of Macromolecules and Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4167/4177</td>
<td>Biochemistry of Metabolism and Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4597</td>
<td>Recombinant DNA Laboratory</td>
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<tr>
<td>BIOL 4647</td>
<td>Molecular Biology</td>
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**Organismal Level**:

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<td>Comparative Anatomy</td>
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</tr>
<tr>
<td>BIOL 3230</td>
<td>Vertebrate Embryology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3260</td>
<td>Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4257</td>
<td>Plant Development</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4277</td>
<td>Neurobiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4357</td>
<td>Ethology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4767</td>
<td>Plant Physiology</td>
<td>4</td>
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</table>

**Population Level**:

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<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3350</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4337</td>
<td>Plant Systematics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4360</td>
<td>Evolution</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4377</td>
<td>Conservation Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4747</td>
<td>Population Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4867</td>
<td>Marine Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Biodiversity**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3410</td>
<td>Vertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3420</td>
<td>Plant Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3460</td>
<td>Invertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3480</td>
<td>General Entomology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4450</td>
<td>Bryophytes, Ferns, and Seed Plants</td>
<td>4</td>
</tr>
<tr>
<td>HSCI 3320/3321</td>
<td>General Microbiology &amp; Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

The remaining courses may be selected to reflect the student's interest to reach a total of at least 36 semester hours of BIOL for the "standard" major or 50 for the "concentration.

**SECONDARY BIOLOGY EDUCATION CURRICULUM**

**Teacher Education**

Students interested in pursuing a teacher education program for certification as a science/biology teacher are asked to see both a Biology advisor (Dan Johnson) and professional advisors in the Office of Student Services, 321 Warf-Pickel, College of Education (Michelle Banner and Jack Rhoton, Curriculum and Instruction).

**Required Courses**:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1110/1111</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1120/1121</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1530</td>
<td>Probability and Statistics - Non-Calculus (for B.A. and B.S.)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1910</td>
<td>Calculus I (for B.S. only)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2010/2011, 2020/2021</td>
<td>General Physics - Non-Calculus</td>
<td>8</td>
</tr>
<tr>
<td>BIOL 1110/1111</td>
<td>Biology for Science Majors I &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1120/1121</td>
<td>Biology for Science Majors II &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1040, 1050</td>
<td>Physical Geology/Geological History</td>
<td>8</td>
</tr>
<tr>
<td>GEOG 1110, 1120</td>
<td>Earth Science</td>
<td>8</td>
</tr>
<tr>
<td>BIOL 1110/1111</td>
<td>Biology for Science Majors I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1120/1121</td>
<td>Biology for Science Majors II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1130/1131</td>
<td>Biology for Science Majors III</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3100</td>
<td>General Genetics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Molecular Level** – Select one course from below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSCI 3030/3031</td>
<td>Intro. Biochemistry*</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3150/3151</td>
<td>Cell Biology &amp; Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4147/4157</td>
<td>Biochemistry of Macromolecules and Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4167/4177</td>
<td>Biochemistry of Metabolism and Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 4597</td>
<td>Recombinant DNA Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 4647</td>
<td>Molecular Biology</td>
<td>6</td>
</tr>
</tbody>
</table>

**Organismal Level** – Select one course from below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3220</td>
<td>Comparative Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3230</td>
<td>Vertebrate Embryology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3260</td>
<td>Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4257</td>
<td>Plant Development</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4277</td>
<td>Neurobiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4357</td>
<td>Ethology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4767</td>
<td>Plant Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>
The Biology major with a biochemistry concentration must complete an additional 9 hours in biology. Four (4) of those hours must be selected from the following courses:

- BIOL 3150/3151: Cell Biology & Lab ................................. 5
- BIOL 4597: Recombinant DNA Laboratory ....................... 3
- BIOL 4647: Molecular Biology ......................................... 3
- HSCI 3320/3321: General Microbiology and Lab ............... 4
- HSCI 3540: Immunology ............................................... 3
- PHYS 3510: Biophysics .................................................. 3

To satisfy the Biology degree requirements, students must select at least one (1) course from two (2) of the advanced biology areas (Organismal level, Population level, or Biodiversity level). See Biology curriculum requirements.

Approved students may enroll in one of the following courses in the Department of Biochemistry during their last semester of coursework.

- BIOC 5010: Biom. Sci. I, Molecular Organization of Cells ...... 3
- BIOC 5020: Biom. Sci. II, Gene Expression ....................... 3
- BIOC 5030: Biom. Sci. III, Cellular Anatomy ..................... 3

A research experience is strongly advised for students with good academic records, especially those planning advanced study. The student should consult with an advisor concerning research opportunities. The following courses are recommended:

- BIOL 3992: Research Orientation
- BIOC 4900: Special Problems in Biochemistry
- BIOL 4910: Research in Biology
- CHEM 4900: Research in Chemistry

### Suggested Curriculum for Biology Major

#### Typical Program of Study

**Freshman - Fall Semester**

- BIOL 1110/11 Biology for Science Majors I ...................... 4
- CHEM 1110/11 General Chemistry Lecture/Lab I .................. 4
- MATH 1910: Calculus I ............................................... 4
- PHED 1: Fitness ................................................................ 1
- TOTAL ................................................................. 16

**Freshman - Spring Semester**

- BIOL 1120/21: Biology for Science Majors Lecture/Lab II .... 4
- CHEM 1120/21 General Chemistry Lecture/Lab II ............... 4
- CSCI 1100: Using Information Technology ....................... 3
- TOTAL ................................................................. 17

**Sophomore - Fall Semester**

- BIOL 1130/31: Biology for Science Majors Lecture/Lab III ..... 4
- CHEM 2010: Organic Chemistry Lecture I ......................... 3
- CHEM 2011: Organic Chemistry Lab I ............................... 2
- PHYS 2010: General Physics I ........................................ 3
- TOTAL ................................................................. 15

**Sophomore - Spring Semester**

- BIOL 3100: General Genetics Lecture .............................. 3
- CHEM 2020: Organic Chemistry Lecture II ....................... 3
- CHEM 2021: Organic Chemistry Lab II ........................... 2
- PHYS 2020: General Physics Lecture II ......................... 3
- TOTAL ................................................................. 15

**Junior - Fall Semester**

- Advanced Biology Menu Course #1 ................................ 4
- Minor Courses 1 and 2 ............................................. 6
- TOTAL ................................................................. 16

**Junior - Spring Semester**

- Advanced Biology Menu Course #2 ................................. 4
- Minor courses 3 and 4 .............................................. 6
- TOTAL ................................................................. 16
### Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3710</td>
<td>Principles of Physical Chem</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3611</td>
<td>Introduction to Integrated Lab</td>
<td>2</td>
</tr>
<tr>
<td>Adv. Biology Course</td>
<td></td>
<td>2-3</td>
</tr>
<tr>
<td>General Education</td>
<td></td>
<td>3</td>
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<tr>
<td>Electives</td>
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<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong>-<strong>17</strong></td>
<td></td>
</tr>
</tbody>
</table>

Total credit hours = 129; Total BIOL credit hours = 36

* A student may choose to complete 50 hours of biology courses in lieu of a ‘major’.
* For B.A. only MATH 1530 is required. For B.S. MATH 1920 may be substituted for MATH 1530.
* PHYS 2110/2120 (Technical Physics) may be substituted for 2010/2011.
  *If minor area course requirements and general education required courses are completed prior to the Senior year, electives may be substituted.

### PROGRAM OPTIONS:

**Physics.** Students may take Technical Physics I and II (PHYS 2110/2120, 10 hours) rather than General Physics I and II (PHYS 2010/2011 and PHYS 2020/2021, 8 hours).

**Chemistry.** Students may take Physical Chemistry I and II (CHEM 3750, 3 hours), rather than Principles of Physical Chemistry (CHEM 3710, 3 hours). Additional chemistry courses are available:

- CHEM 3110 Descriptive Inorganic
- CHEM 3760 Physical Chemistry II
- CHEM 4200 Principles of Instrumental Analysis
- CHEM 4611, 4621, or 4631 Advanced Integrated Lab

**Biochemistry.** Quillen College of Medicine. Approved students who have completed Biochemistry of Macromolecules (BIOL 4147) and Biochemistry of Metabolism (BIOL 4167) may enroll for one of the listed courses during their last semester of coursework.

- BIOC 5010 Biom. Sci. I, Molecular Organization of Cells
- BIOC 5020 Biom. Sci. II, Gene Expression
- BIOC 5030 Biom. Sci. III, Cellular Anatomy

**Research.** Research is strongly advised for students with good academic records, especially those planning advanced study. Research Orientation (BIOL 3992, 2 hours) is available in the sophomore year. Research in Biology (Department of Biological Sciences, BIOL 4910, 1-4 hours), Research in Chemistry (Department of Chemistry, CHEM 4900, 1-3 hours), or Special Problems (Department of Biochemistry, BIOL 4900, 2-5 hours), can be taken during the senior year and/or the preceding summer. Faculty members from the departments of biochemistry, biological sciences, or chemistry may direct the research project. It is expected that a departmental seminar will be presented based upon the research.

### Suggested Curriculum for Biology Major

#### Biochemistry Concentration

### Freshman - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1110/11</td>
<td>Biology for Science Majors Lecture/Lab I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1110/11</td>
<td>General Chemistry Lecture/Lab I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1910</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>General Education</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td></td>
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</table>

### Freshman - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1120/21</td>
<td>Biology for Science Majors Lecture/Lab II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1120/21</td>
<td>General Chemistry Lecture II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1920</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>General Education</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</table>

### Sophomore - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1130/31</td>
<td>Biology for Science Majors Lecture/Lab III</td>
<td>4</td>
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<tr>
<td>CHEM 2010</td>
<td>Organic Chemistry Lecture I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2011</td>
<td>Organic Chemistry Lab I</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 2010</td>
<td>General Physics Lecture I</td>
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<tr>
<td>PHYS 2011</td>
<td>General Physics Lab I</td>
<td>1</td>
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<tr>
<td>General Education</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</table>

### Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3100</td>
<td>General Genetics Lecture</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3141</td>
<td>General Genetics Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 2020</td>
<td>Organic Chemistry Lecture II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2021</td>
<td>Organic Chemistry Lab II</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 2020</td>
<td>General Physics Lecture II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2021</td>
<td>General Physics Lab I</td>
<td>1</td>
</tr>
<tr>
<td>General Education</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td></td>
</tr>
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</table>

### Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4147</td>
<td>Biochemistry of Macromolecules</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4157</td>
<td>Biochemistry of Macromolecules Lab</td>
<td>2</td>
</tr>
<tr>
<td>Advanced Biology Courses</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>General Education</td>
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<td>6</td>
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<tr>
<td>Electives</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong>-<strong>19</strong></td>
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### Junior - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4167</td>
<td>Biochemistry of Metabolism</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4177</td>
<td>Biochemistry of Metabolism Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 2220</td>
<td>Quantitative Analysis Lecture</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 2221</td>
<td>Quantitative Analysis Lab</td>
<td>2</td>
</tr>
<tr>
<td>Advanced Biology Courses</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>General Education</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong>-<strong>19</strong></td>
<td></td>
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</table>

### Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Biology Course</td>
<td></td>
<td>3-5</td>
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<tr>
<td>General Education</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong>-<strong>18</strong></td>
<td></td>
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</tbody>
</table>

The Department of Chemistry offers a course of study leading to the bachelor of science degree that meets the needs of students who plan a career in chemistry, who plan to teach chemistry in secondary schools, or who need a strong chemistry background for their chosen field. It offers four concentrations designed for different career goals, a minor, and a teacher education program.

### GENERAL EDUCATION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1910</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530</td>
<td>Descriptive Inorganic</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>Plus one of the ENGL courses listed under Heritage</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one course from the Arts &amp; Artistic Vision</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one course from Identity, Ethics &amp; Social Respons.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select two courses from Institutions &amp; Society</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Select one unduplicated course from the Humanities Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
| *MATH 1840 or 1850 acceptable for Chemistry concentration.
Intensive Courses – Students who enter ETSU as a freshman or with less than 60 transfer hours must take: two oral communication-intensive courses, of which one must be in the major or minor; one using information technology-intensive course in the major or minor; four writing-intensive courses; at least two must be in the major or minor; at least two must be in the 3000–4000 level. Students must meet proficiency-intensive requirements through courses taken at ETSU.

Physical Education .................................................................................. 2
  Two courses, one from the fitness activity category and one from the
  lifetime activities category.

Chemistry – This is the recommended concentration for preprofessional
students and students preparing for chemically-oriented occupations. This
concentration requires a minimum of 33 semester hours of study.

A minor is required with this concentration.

Course Requirements
CHEM 1110/1111, 1120/1121 General ............................................. 8
CHEM 2220/2221 Quantitative Analysis ......................................... 4
CHEM 3710 or 3750 Physical ........................................................ 3
CHEM 3611 Intro. to Integrated Lab ............................................... 2

Plus an additional six hours of upper division courses in the Chemistry
Department.

Chemistry Professional – This concentration is for those students
who desire a rigorous study in chemistry but whose career goals do not
require an American Chemical Society-approved curriculum. A minimum
of 45 semester hours is required.

A minor is required with this concentration.

Course Requirements

CHEM 1110/1111, 1120/1121 General ............................................. 8
CHEM 2220/2221 Quantitative Analysis ......................................... 4
CHEM 3110 Descriptive Inorganic .................................................... 3
CHEM 3750/3760 Physical ............................................................ 6
CHEM 3611 Intro. Integr. Lab .......................................................... 2
CHEM 4110 Advanced Inorganic ..................................................... 3
CHEM 4200 Princ. of Inst. Analysis ................................................... 3
CHEM 4611 Adv. Integr. Lab/Dyn. .................................................. 2*
CHEM 4621 Adv. Integr. Lab./Str. .................................................. 2*
CHEM 4631 Adv. Integr. Lab/An. Tech. ........................................... 2*
CHEM 4010 Seminar ..................................................................... 2

Also required are:
MATH 1910/1920 Calculus ............................................................. 8
PHYS 2010/2011, 2020/2021 Gen Physics-Non-Calculus ............. 8
or
PHYS 2110/2120 Tech. Physics-Calc. based ................................... 10

* These labs may be taken in any order, two of three required.

Additional work in mathematics and physics would be especially useful. In
addition, two years of a foreign language is strongly encouraged for those
students who expect to do graduate work in chemistry.

In order to have sufficient time for advanced courses in the senior year, students
are strongly encouraged to consult with the chemistry department advisor
each semester.

ACS-Approved Chemistry – This concentration is designed for students
who intend to follow a career in the field of chemistry or who intend to
enter a graduate program in this science. The curriculum is based on the
recommendations of, and is approved by, the American Chemical Society
(ACS). As such, it is subject to change upon notice from the ACS.
A minor is not required with this concentration.

Course Requirements
A minimum of 53 semester hours of study is required. These include all
courses required in Chemistry Professional concentration (including all three
advanced integrated labs, 4611, 4621, and 4631 may be taken in any order)
and Biochemistry, BIOL 4147 or 4167, (note these have a prerequisite of
BIOL 110/1111). In addition, three credit hours must be selected from
the list below. Physical Chemistry is recommended or required as a
prerequisite to these courses:
CHEM 4530 Advanced Organic .................................................. 3
CHEM 4817 Intro Indus Chem ................................................... 3
CHEM 4900 Research .............................................................. 1-3
CHEM 4957 Special Topics ........................................................ 3

Biochemistry Concentration – This is a joint concentration with the
Department of Biological Sciences (College of Arts and Sciences) and the
Department of Biochemistry (Quillen College of Medicine). The students
may major in either biology or chemistry, and coursework is required in
both departments. The student should consult frequently with an advisor
to ensure completion in a judicious manner. The biology advisors are Pike
and McIntosh. The chemistry advisor is Richard Kopp.
A minor is not required with this concentration.

Course Requirements
All students pursuing a chemistry major must take the following courses:

BIOL 1110/1111, 1120/1121, 1130/1131 Biology for Science Majors .......... 12
BIOL 3100 Gen. Genetics ............................................................ 3
BIOL 3141 Genetics Lab ............................................................ 2
BIOL 4147, 4157 Biochemistry of Macromolecules .................... 5
BIOL 4167, 4177 Biochemistry of Metabolism ......................... 5
CHEM 1110/1111, 1120/1121 Gen. Chemistry .............................. 8
CHEM 2220/2221 Quantitative Analysis ......................................... 4
CHEM 3750, 3760 Physical Chemistry ......................................... 6
CHEM 3611 Intro. Integr. Lab ....................................................... 2
CHEM 4611, 4621, or 4631 Adv. Integr. Lab ......................... (2 credits each)
MATH 1910, 1920 Calculus ........................................................... 8
or
PHYS 2110, 2120 Tech. Physics-Calc. based ............................... 10

The chemistry major with a biochemistry concentration must select 6
credit hours from:

BIOL 3150/3151 Cell Biology ....................................................... 5
BIOL 4647 Molecular Biology .................................................... 3
BIOL 4597 Recombinant DNA Lab ............................................. 3
HSCI 3320/3321 General Microbiology ....................................... 4
HSCI 3540 Immunology ............................................................ 3
PHYS 3510 Biophysics ............................................................... 3

Additional coursework in chemistry is recommended.
Approved students may enroll in one of the following courses in the
Department of Biochemistry (Quillen College of Medicine) during their
last semester of coursework:
BIOC 5100 Protein Structure and Function .......................... 3
BIOC 5350 Molecular Immunology ......................................... 3
A research experience is strongly advised for students with good academic records, especially those planning advanced study. The student should consult with an advisor concerning research opportunities. The following courses are recommended:

- **BIOL 3992** Research orientation ............................................... 2
- **BIOL 4900** Spec. Problems in Biochemistry .................................. 1-5
- **BIOL 4900** Independent Study .................................................... 1-4
- **CHEM 4900** Research in Chemistry ............................................. 1-3

**Minor** - The chemistry minor consists of a minimum of 26 semester hours of study. General Chemistry (1110-11 and 1120-21) eight hours; plus an 18-hour selection of basic courses offered by the Department of Chemistry (other than 1000 or 1030).

**Teacher Education** - Students interested in pursuing a teacher education program for certification as a teacher are asked to see the area advisor in the Department of Chemistry AND the professional advisor in the Office of Student Services, 321 Warf-Pickel, College of Education. Please refer to the section on “Admission to Teacher Education” for basic admission requirements in the College of Education section of this catalog.

**Pre-Teacher Education** - Declaration of Intent – All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Student Services, 321 Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.

**Professional Education Requirements** – There is a total of 44 credit hours required for Professional Education. Please refer to the Professional Education Requirement section in the Department of Education in this catalog for a list of the required courses.

**Cooperative Education** – The Department of Chemistry actively participates in the university’s cooperative education program. Positions are normally available for chemistry majors each semester at a number of industrial and government locations.

**Graduate Study** – The Department of Chemistry offers a major and minor in graduate study. Further information on graduate programs is contained in the Graduate Catalog.

### Suggested Sequence of Courses for Chemistry Professional and ACS-Approved Chemistry Concentrations

#### Freshman - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 1110/11</td>
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<tr>
<td>MATH 1910</td>
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#### Freshman - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>CHEM 1120/21</td>
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<td>MATH 1920</td>
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#### Sophomore - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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#### Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<table>
<thead>
<tr>
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#### Senior - Fall Semester

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**SUGGESTED SEQUENCE OF COURSES FOR CHEMISTRY CONCENTRATION**

#### Freshman - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 1110/11</td>
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</tr>
<tr>
<td>MATH 1840, 1850 or 1910</td>
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<tr>
<td>ENGL 1010</td>
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<td>CSCI 1100</td>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MCOM 1030 Intro. to Mass Communications</td>
<td>3</td>
</tr>
<tr>
<td>ADVR 2070 Advertising Graphics</td>
<td>3</td>
</tr>
<tr>
<td>PUBR 2700 Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>ADVR 3240 Advertising Principles</td>
<td>3</td>
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<td>ADVR 3250 Advertising Copy and Layout</td>
<td>3</td>
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<tr>
<td>ADVR 3270 Advertising Media Planning</td>
<td>3</td>
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<td>ADVR 3750 Advertising Campaign Mgmt</td>
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<tr>
<td>MCOM 4037 Communications Law</td>
<td>3</td>
</tr>
<tr>
<td>ADVR 4250 Advertising Agency Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 2630 Writing for Radio/TV</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3602 Video/Film Techniques</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3661 Television Production</td>
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**Total: 33**

**Broadcast Management Sequence**

<table>
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</thead>
<tbody>
<tr>
<td>MCOM 1030 Intro. to Mass Communications</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 2600 Survey of Broadcasting</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 2604/4604 Radio/TV Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ADVR 3260 Radio/TV Advertising</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3651 Radio Production or</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3661 Television Production</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3671 Broadcast Programming</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4037 Communications Law</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 4690 Broadcast Management</td>
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<td>MCOM Electives approved by advisor</td>
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**Total: 33**

**Broadcast News Sequence**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MCOM 1030 Intro. to Mass Communications</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 2600 Survey of Broadcasting</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3600 Radio/TV News</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3602 Video/Film Techniques</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 3661 Television Production</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4037 Communications Law</td>
<td>3</td>
</tr>
<tr>
<td>RTVF 4600 Radio/TV Reporting and Editing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total: 33**

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The Department of Communication has the following objectives: to provide professional preparation for persons seeking careers in communication, to provide leadership for professionals now engaged in the practice of communication, to provide preprofessional programs and supporting coursework for students completing programs in other fields, and to increase public understanding of the value of freedom of communication in a democratic society.

The Department of Communication offers a B.A./B.S. with a major in four mass communications concentrations — advertising, broadcasting (sequences in management, news and production/performance), journalism, and public relations.

In addition, the department offers a B.A./B.S. with a major in two speech concentrations — speech communication and theatre. A sequence in teaching is offered for both division concentrations.

A minor is required of all students.

For the baccalaureate degree, 128 semester hours of credit must be earned. In addition to meeting all department requirements, majors must meet the College of Arts and Sciences requirements for B.A. and B.S. degrees. Students earning the B.S. may select the social and behavioral sciences concentration.

Speech Communication — The speech communication degree program offers a traditional major as a base for preprofessional study as a supporting program for career preparations in fields such as business, church operation, government service, health administration, the ministry, paralegal services, social service, and other professions involving public contact. It also provides pre-law preparation.

The speech communication concentration major requires 36-38 credit hours of coursework; the minor, 21 credits. A teacher education major in speech communication requires 29 credit hours; the minor, 24 credit hours.

Theatre — The Division of Theatre believes that classroom study and practical experience are of equal and complementary value. Production opportunities are available in acting and directing, design, theatre technology, and management in our Bud Frank Theatre and in the historic Veteran's Memorial Theatre.

The Division of Theatre produces at least four productions per school year as well as producing plays and a Renaissance Faire in Rogersville during the summer. Within the Department of Communication, students have the option to select one of the following: a 36-hour Theatre Concentration; a 21-hour Theatre Minor; or a 36-hour Theatre Concentration in Teacher Education.

Mass Communications — The concentrations in advertising and broadcasting consist of prescribed sequences of 33 semester hours of coursework. The journalism and public relations concentrations require 36 credit hours in mass communications, and public relations also requires nine credit hours in speech.

In the mass communications major, 80 credit hours must be completed outside of mass communications courses, and at least 65 of those 80 credit hours must be in traditional liberal arts subjects.

No more than 12 credit hours of transfer credit may be applied to the requirements in mass communications concentrations.

Specialized minors of 21 credit hours may be designed for individual students in advertising and broadcasting with the prior approval of the department. The journalism minor consists of 24 credit hours of prescribed coursework. No minor is available in public relations.

Students must consult regularly with a departmental advisor to avoid problems in scheduling. For other problems, see one of the career advisors listed below:

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**Course Requirements for Mass Communications Majors**

**Advertising Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ADVR 3250 Advertising Copy and Layout</td>
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<tr>
<td>MCOM 4037 Communications Law</td>
<td>3</td>
</tr>
<tr>
<td>ADVR 4250 Advertising Agency Mgmt</td>
<td>3</td>
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</table>

Select one of the following:

- RTVF 2630 Writing for Radio/TV ...................................... 3
- RTVF 3602 Video/Film Techniques ..................................... 3
- RTVF 3661 Television Production .................................... 3

**Total: 33**

**Broadcasting Concentration**

<table>
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<tr>
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<td>MCOM Electives approved by advisor</td>
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</table>

**Total: 33**

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**Accreditation by:** Accrediting Council on Education

in Journalism and Mass Communications

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Department of Communication

P.O. Box 70667

Phone: 423/439-4491

Web Address: www.etsu.edu/cas/comm

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East Tennessee State University
Transportation and Performance Sequence

MCOM 1030 Intro. to Mass Communications ........................................... 3
RTVF 2600 Survey of Broadcasting ......................................................... 3
RTVF 2604/2404 Radio/TV Laboratory .................................................... 3
RTVF 2630 Writing for Radio/TV ............................................................. 3
RTVF 3602 Video/Film Techniques .......................................................... 3
RTVF 3640 Broadcast Production ............................................................. 3
RTVF 3651 Radio Production ................................................................. 3
RTVF 3661 Television Production ............................................................ 3
MCOM 4037 Communications Law ......................................................... 3
RTVF 4690 Broadcast Management ........................................................ 3
MCOM Elective approved by advisor ...................................................... 3

Total: ........................................................................................................ 33

Journalism Concentration

MCOM 1030 Intro. to Mass Communications ........................................... 3
JOUR 2050 History and Issues of Journalism ........................................... 3
JOUR 2120 Writing for Print Media I ....................................................... 3
JOUR 2130 Writing for Print Media II ....................................................... 3
JOUR 3130 In-Depth Reporting ............................................................... 3
JOUR 3150 Copy Editing ......................................................................... 3
JOUR 3160 Newspaper Design ............................................................... 3
JOUR 3301 Photojournalism ................................................................. 3
MCOM 4037 Communications Law ......................................................... 3
JOUR 4107 Reporting Public Affairs ....................................................... 3

One of the following craft courses ......................................................... 3
JOUR 3120 Opinion Writing ................................................................. 3
JOUR 3350 Advanced Photojournalism ................................................ 3
JOUR 4080 Journalism Internship .......................................................... 3
JOUR 4957 Topics in Journalism ............................................................ 3

One of the following conceptual courses .............................................. 3
MCOM 3070 Mass Media and Society ................................................... 3
MCOM 4007 Seminar in Mass Communications .................................... 3

Total: ........................................................................................................ 36

Minor — Journalism Concentration

JOUR 2050 History and Issues of Journalism ........................................... 3
JOUR 2120 Writing for Print Media I ....................................................... 3
JOUR 2130 Writing for Print Media II ....................................................... 3
JOUR 3130 In-Depth Reporting ............................................................... 3
JOUR 3150 Copy Editing ......................................................................... 3
JOUR 3160 Newspaper Design ............................................................... 3
JOUR 4080 Journalism Internship .......................................................... 3
JOUR 4957 Topics in Journalism ............................................................ 3

Two of the following ............................................................................ 6
JOUR 3120 Opinion Writing ................................................................. 3
JOUR 3130 In-Depth Reporting ............................................................... 3
JOUR 3350 Advanced Photojournalism ................................................ 3
JOUR 4107 Reporting Public Affairs ....................................................... 3
JOUR 4957 Topics in Journalism ............................................................ 3

Total: ........................................................................................................ 24

Public Relations Concentration

MCOM 1030 Intro. to Mass Communications ........................................... 3
PUBR 2700 Introduction to Public Relations ......................................... 3
JOUR 2120 Writing for Print Media I ....................................................... 3
PUBR 2770 Writing for Public Relations ................................................ 3
RTVF 2630 Writing for Radio/TV ............................................................. 3
JOUR 3150 Copy Editing ......................................................................... 3
ADVR 3240 Advertising Principles ....................................................... 3
RTVF 3602 Video/Film Techniques .......................................................... 3
PUBR 3770 Public Relations Publications ............................................. 3
MCOM 4037 Communications Law ......................................................... 3
PUBR 4730 Public Relations Practices ................................................... 3
PUBR 4080 Public Relations Internship .................................................. 3

Total: ........................................................................................................ 36

Theatre Concentration

THEA 2510 Acting I .................................................................................. 3
THEA 2520 Stagecraft ............................................................................ 3
THEA 2530 Dramatic Structure ............................................................. 3
THEA 3520 Theatre History I ................................................................. 3
THEA 3525 Theatre History II ............................................................... 3

One credit hour chosen from: ............................................................... 1
THEA 2525 Makeup ............................................................................... 3
THEA 3515 Theatre Movement ............................................................. 3

Six credit hours chosen from: .............................................................. 6
THEA 3330 Scenic Design ..................................................................... 3
THEA 3335 Lighting Design ................................................................. 3
THEA 3500 Voice and Diction ............................................................... 3
THEA 3530 Play Direction ..................................................................... 3

Three credit hours chosen from: ......................................................... 3

Speech Concentration

Seven speech courses (not including Speech 1300), selected in consultation with the Speech Division director and formally approved by the speech faculty, are required. Approval for the total of 21 semester hours must be obtained before 15 hours of coursework in speech have been completed.
The Office of Student Services, 321 Warf-Pickel Hall, College of Education.

Certification as a speech communication teacher must consult regularly with advisor.

**Speech Concentration Minor**

- **SPCH 3300** General Speech ........................................ 3
- **SPCH 3300** Public Speaking ........................................ 3
- **SPCH 3300** Argumentation and Debate ......................... 3
- **SPCH 3350** Interpersonal Communication ..................... 3
- **SPCH 4317** Rhetoric and Public Address ....................... 3

**SPCH 4346** Bus. and Profess. Communication .................... 3

**THEA 2200** Theatre Laboratory ........................................ 3
**THEA 2200** Oral Interpretation of Literature ................... 3
**MCOM 1030** Intro. to Mass Communications .................... 3
**MCOM 3070** Mass Media and Society ............................... 3

**Total** hours of Speech ............................................... 18
**Total** hours of other comm. courses ............................... 6
Total: ........................................................................... 24

Tennessee certifies teachers in the subject field of speech communication. See additional requirements for certification under “Teacher Education” in this catalog.

**Theatre Concentration Teacher Education**

Students interested in pursuing a teacher education program for certification as a theatre teacher must consult regularly with two advisors—one in the College of Arts and Sciences and one in the Office of Student Services, 321 Warf-Pickel Hall, College of Education.

**SPCH 4346** Bus. and Profess. Communication .................... 3
**THEA 2200** Theatre Laboratory ........................................ 3
**THEA 2200** Oral Interpretation of Literature ................... 3
**MCOM 1030** Intro. to Mass Communications .................... 3
**MCOM 3070** Mass Media and Society ............................... 3

**Total** hours of Speech ............................................... 18
**Total** hours of other comm. courses ............................... 6
Total: ........................................................................... 24

East Tennessee State University

**Suggested Curriculum Guide**

**Bachelor of Science Degree,**

**Social & Behavioral Science Option**

**1995 and later Catalogs**

**Freshman - Fall Semester**

**ENGL 1010** Critical Thinking/Argumentation .................. 3
**MATH 1530** Probability & Statistics ................................ 3
**Science** (See General Education Core) ........................... 3
**PHED 1000** Fitness Activity ............................................ 1
**CSCI 1150** Using Information Technology ....................... 3
Total: ........................................................................... 17

**Freshman - Spring Semester**

**ENGL 1020** Critical Thinking/Argumentation .................. 3
**Science** (See General Education Core) ........................... 4
**PHED 2000** Lifetime Activity ......................................... 1
**Social Studies Elective** .................................................. 3
**HIST 2010** The United States to 1877 ............................... 3
Total: ........................................................................... 17

**Sophomore - Fall Semester**

**ENGL 2130, 2210, 2430, 2330** ........................................ 3
**HIST 2020** The United States since 1877 ......................... 3
**Arts & Artistic Vision** (See General Education Core) ....... 3
**Reasoning & Argumentation** (See General Education Core) 3
**Major Course** ............................................................. 3
Total: ........................................................................... 15

106 2003-2004 Undergraduate Catalog
Sophomore - Spring Semester

Institutions & Society (See General Education Core) ........................................... 3
Research Design ................................................................................................. 3
Identity Ethics, & Responsibility (See General Education Core) ......................... 3
Writing Intensive ................................................................................................ 3
Major Course ...................................................................................................... 3
TOTAL ................................................................................................................ 15

Junior - Fall Semester

Institutions & Society (See General Education Core) ........................................... 3
Writing Intensive ................................................................................................ 3
Oral Communication Intensive ........................................................................... 3
Information Technology Intensive ....................................................................... 3
Major Course ...................................................................................................... 3
TOTAL ................................................................................................................ 15

Junior - Spring Semester

Humanities (See General Education Core) ........................................................... 3
Writing Intensive ................................................................................................ 3
Using Information Technology ............................................................................. 3
Microcomputer Skills Elective ............................................................................. 3
TOTAL ................................................................................................................ 15

Senior - Fall Semester

Writing Intensive ................................................................................................ 3
Minor Courses .................................................................................................... 3-6
Major Courses .................................................................................................... 3-6
Free Electives ..................................................................................................... 3-6
TOTAL ................................................................................................................ 12-18

Senior - Spring Semester

Minor Courses .................................................................................................... 3-6
Major Courses .................................................................................................... 3-6
Free Electives ..................................................................................................... 3-6
TOTAL ................................................................................................................ 9-12

Total Credit Hours for B.S. (B.S.) ................................................................... 128

Suggested Curriculum Guide for the Bachelor of Arts Degree, 1995 and Later ETSU Catalogs

Freshman - Fall Semester

ENGL 1010 Critical Reading/Expository Writing ................................................... 3
MATH 1530 Probability & Statistics ...................................................................... 3
Science (See General Education Core) .................................................................. 4
Major Course ........................................................................................................ 3
PHED 1XXX Fitness Activity .................................................................................. 1
CSCI 1100 Using Information Technology ............................................................. 3
TOTAL .................................................................................................................. 17

Freshman - Spring Semester

ENGL 1020 Critical Thinking/Argumentation ....................................................... 3
MATH 1820 Calculus for Business ......................................................................... 3
Science (See General Education Core) .................................................................. 4
PHED 2XXX Lifetime Activity ............................................................................... 1
HIST 2010 The United States to 1877 ................................................................... 3
Major Course ........................................................................................................ 3
TOTAL .................................................................................................................. 17

Sophomore - Fall Semester

ENGL Literature 2130, 2210, 2430, 2330 ............................................................... 3
Science (See General Education Core) .................................................................. 4
HIST 2020 The United States since 1877 ............................................................... 3
Arts & the Artistic Vision (See General Education Core) ....................................... 3
Major Course ........................................................................................................ 3
TOTAL .................................................................................................................. 16

Sophomore - Spring Semester

Science (See General Education Core) .................................................................. 4
Institutions & Society (See General Education Core) ........................................... 3
Identity Ethics, & Social Responsibility (See General Education Core) ............... 3
Writing Intensive ................................................................................................ 3
Major Course ...................................................................................................... 3
TOTAL .................................................................................................................. 16

Junior - Fall Semester

Institutions & Society (See General Education Core) ........................................... 3
Writing Intensive ................................................................................................ 3
Oral Communication Intensive ............................................................................. 3
Using Information Technology ............................................................................. 3
Major Course ...................................................................................................... 3
TOTAL .................................................................................................................. 15

Junior - Spring Semester

Humanities (See General Education Core) ........................................................... 3
Writing Intensive ................................................................................................ 3
Oral Communication Intensive ............................................................................. 3
Using Information Technology ............................................................................. 3
Major Course ...................................................................................................... 3
TOTAL .................................................................................................................. 15

Senior - Fall Semester

Writing Intensive ................................................................................................ 3
Minor Courses .................................................................................................... 3-6
Major Required Courses ...................................................................................... 3-6
Free Electives ..................................................................................................... 3-6
TOTAL ................................................................................................................ 12-18

TOTAL ................................................................................................................ 128
Department of Criminal Justice and Criminology (CJCR)

P.O. Box 70555  Phone 423/439-5346
Web Address: www.etsu.edu/crimjust

Program Objectives – The criminal justice and criminology program of East Tennessee State University seeks to accomplish four major objectives:

1. To develop a critical understanding of crime and the role and function of the criminal justice system in a democratic society.
2. To provide courses of instruction that complement the education received by students in related disciplines.
3. To prepare students for professional service in the criminal justice system.
4. To provide an opportunity for persons currently serving in criminal justice professions to advance their level of education.

The Criminal Justice and Criminology curriculum is highly interdisciplinary, encompassing the study of law, the social and behavioral sciences, and other academic areas. Consistent with the above objectives, the curriculum seeks a careful balance of theoretical inquiry and applied knowledge and features a core curriculum that all majors are required to complete.

The Department of Criminal Justice and Criminology offers the bachelor of science degree in criminal justice and criminology, the bachelor of arts degree in criminal justice and criminology, and the master of arts degree in criminal justice and criminology.

Departmental Honors Program

The Criminal Justice Honors-in-Discipline program will provide students with an additional opportunity to reach their full academic potential. Students who are accepted into the honors program will enroll in the same courses as other students, but will be required to complete extra assignments (e.g., papers, readings, projects) in their classes. Students will also be required to write a Senior Honors Thesis. Out-of-state tuition waivers will be available for students accepted into the program and some Academic Performance Scholarships may be available for Tennessee Residents only.

The minimum requirements for application to the honors program are as follows:

**Entering Freshmen:**
- High School GPA of 3.2 or a minimum ACT composite score of 25

**Entering after Freshman year:**
- Overall GPA of 3.2, a Criminal Justice GPA of 3.5 and have earned no more than 60 credit hours.

**Transfer Students:** Overall GPA of 3.5

Students will also be asked to submit a personal statement and two letters of reference with their application. For further information or an application, please contact:

Dr. Stephen Brown, Director
Criminal Justice Honors-in-Discipline Program
Department of Criminal Justice and Criminology
Box 70555
Johnson City, TN 37614
(423) 439-4388

Criminal Justice and Criminology
B.S./B.A. REQUIREMENTS

1. Completion of General Education Core Requirements of the university and requirements of the College of Arts and Sciences B.A. or B.S. in social and behavioral sciences.
2. Completion of criminal justice and criminology core curriculum as follows:

   - **CJCR 1100** Introduction to Criminal Justice .................. 3
   - **CJCR 2000** Research Methods for Criminal Justice and Criminology .......................... 3
   - **CJCR 2540** Criminal Law ........................................ 3
   - **CJCR 3000** Statistics for Criminal Justice and Criminology .................................. 3
   - **CJCR 3300** Criminal Justice Ethics .................................. 3
   - **CJCR 3310** Criminology ........................................ 3
   - **CJCR 3444** Microcomputers as a Research Tool (B.S. requirement) ................... 3
   - **TOTAL 21**

3. Completion of 21 hours of elective courses: ................. 21
4. Completion of a minor to be selected in consultation with the director of advising in the department.

   - **Total hours required in major:** ................. 42

Other Requirements:

- a. Must complete a minimum of 27 hours at ETSU in the Department of Criminal Justice and Criminology.
- b. Must maintain a minimum grade point average of 2.5 in criminal justice and criminology coursework completed at ETSU.

No grade earned in a criminal justice and criminology major core course below a 2.0 (C) will be accepted.

Suggested Course Sequence for Criminal Justice & Criminology B.S.

(Concentration for Social and Behavioral Sciences)

**Majors**

**Freshman - Fall Semester**

- **CJCR 1100** Introduction to Criminal Justice .................. 3
- **ENGL 1010** Critical Reading & Expository Writing ............ 3
- **MATH 1530** Probability & Statistics ......................... 3
- **Natural Science** .................................................. 4
- **HIST 2010** The United States to 1877 ........................ 3
- **Physical Education** ............................................ 1
- **TOTAL** .............................................................. 17

**Freshman Spring - Semester**

- **ENGL 1020** Critical Thinking & Argumentation .............. 3
- **Institutions & Society Option** ................................ 3
- **Natural Science** .................................................. 4
- **CSCI 1100** Using Information Technology .................... 3
- **HIST 2020** The United States since 1877 ..................... 3
- **Physical Education** ............................................ 1
- **TOTAL** .............................................................. 17

**Sophomore - Fall Semester**

- **CJCR 2000** Research Methods for CJCR .................. 3
- **CJCR 2540** Criminal Law ........................................ 3
- **Heritage Option** .............................................. 3
- **Identity, Ethics, & Social Responsibility** ..................... 3
- **Institutions & Society** ........................................ 3
- **Elective** ............................................................ 3
- **TOTAL** .............................................................. 18

**Sophomore - Spring Semester**

- **CJCR 3300** Criminal Justice Ethics .......................... 3
- **CJCR 3310** Criminology ........................................ 3
- **CJCR 3000** Statistics for Criminal Justice .................. 3
- **Arts & Artistic Vision** ........................................ 3
- **Humanities Elective** .......................................... 3
- **TOTAL** .............................................................. 15
### FIELD EXPERIENCE PROGRAM

Students majoring (B.S./B.A. degree) in criminal justice and criminology are encouraged to enroll in the field experience program during their senior year. The program is designed to integrate academic preparation with practice in the criminal justice system. Student interest in this program will be discussed with the director of undergraduate advisement in the course of general advisement. A limited number of positions are available.

Application for field experience should be made to the director of field experience during the spring semester. Selection is made by a faculty committee. It is offered during summer semesters only.

#### Minor in Criminal Justice and Criminology

Students minoring in criminal justice and criminology must complete 18 semester credit hours as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJCR 1100 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJCR 2540 Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJCR 3310 Criminology</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Criminal Justice and Criminology</td>
<td>9</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

### Major Requirements

**ENGL 2330, 2430**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3000-level courses (3)</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 4000-level courses (2)</td>
<td>6</td>
</tr>
<tr>
<td>ENGL Electives (4 at 3000/4000 level)</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

*Three hours may be substituted from ENGL 2330 or 2430 if desired.*

- Credit from the 3000 level must include a genre course and either a language course or literary criticism.
- Credit from the 4000 level must include at least 3 hours from ENGL 4700 (Chaucer), 4690 (Milton), or 4200 (Shakespeare).
- Students may elect to complete a 12-hour Writing Emphasis or Language Emphasis in place of 12-hour general elective requirement in English.

### General Education 46-47 Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010 Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>3</td>
</tr>
<tr>
<td>Social Responsibility</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td>3-4</td>
</tr>
<tr>
<td>Heritage (Including HIST 2010 &amp; 2020)</td>
<td>9</td>
</tr>
<tr>
<td>Arts &amp; Artistic Vision</td>
<td>3</td>
</tr>
<tr>
<td>Institutions &amp; Society</td>
<td>6</td>
</tr>
<tr>
<td>Science (Areas of Familiarity)</td>
<td>8</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Humanities Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours Required for Degree** **128**

**Departmental Honors** - The department offers an Honors Program consisting of 18 credit hours of honors courses, including a senior thesis, which can become part of an English major or minor. Students may enter the Honors Program with a high school GPA of 3.2 and one of the following: ACT score of 25, an equivalent SAT, or an AP score of 4 in English. Transfers and students already enrolled at ETSU must meet slightly different criteria. Please contact the program director, Prof. Marcia Songer, at 423-439-6675 or wongem@etsu.edu for further information.

**Teaching majors** – The major who seeks teacher certification must complete at least 36 hours, as specified below. Twenty-seven (27) credit hours, according to the following distribution:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2130 American Literature</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 2210 British Literature I</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 2220 British Literature II</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 2430 European Literature or 2330 World Literature</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 3100 Introduction to Linguistics or 3200 History of the English Language or 4120 Descriptive Linguistics or 4130 Social and Psychological Aspects of Language</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 4117 Grammar and Usage</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 3130 Advanced Composition or 4057 Writing: Theory and Teaching</td>
<td>9</td>
</tr>
</tbody>
</table>

**Total Credit Hours Required for Degree** **128**
ENGL 4077  Adolescent Literature
ENGL 4200  Shakespeare and His Age

Nine (9) hours of electives, to be taken from 3000- or 4000-level courses, including at least one course in American Literature

In addition to the 36-hour major, students seeking certification must complete 3 credit hours of methods, counted as an education requirement, and 3 credit hours of reading, as follows:

ENGL 4417  Teaching English in Secondary Schools
READ 3110  Teaching the Process of Reading,
READ 4027  Diagnostic and Remedial Procedures in Reading

Note: See both the “General Education” and “Professional Education” requirements for Secondary and K-12 certification listed under the College of Education in this catalog.

Sample Curriculum

A typical program of study, leading to a major in English (with foreign language requirement for BA), a minor in History (for example), and completion of the General Education Core = 128 hours.

Freshman - Fall Semester

ENGL 1010  Critical Reading and Expository Writing .................. 3
HIST 2010  The United States to 1877 ..................................... 3
MATH 1530  Probability and Statistics ...................................... 3
ASTR 1015  Astronomy I .......................................................... 4
ARTA 2010  Art History ............................................................. 3
TOTAL ....................................................................................... 16

Freshman - Spring Semester

ENGL 1020  Critical Thinking and Argumentation ..................... 3
HIST 2020  The United States since 1877 ............................... 3
PHIL 2020  Values and Society ................................................ 3
ASTR 1025  Astronomy II ......................................................... 3
SOAA 1020  Introduction to Sociology ...................................... 3
TOTAL ....................................................................................... 16

Sophomore - Fall Semester

ENGL 2130  American Literature .............................................. 3
PSYC 1310  Introduction to Psychology ..................................... 3
HIST 1110  World History to 1500 ............................................ 3
CS 1100  Using Information Technology ............................... 3
PHED 1120  Aquafitness ........................................................... 1
ENGL 2430  European Literature or ENGL 2330 World Literature  3
TOTAL ....................................................................................... 16

Sophomore - Spring Semester

ENGL 2210  British Literature I or ENGL 2220 British Literature II 3
ENGL 3270  Literature of Popular Culture ................................. 3
HIST 1120  History Since 1500 ................................................. 3
PHED 2120  Folk Dance ............................................................. 1
FREN 1010  Beginning French .................................................. 3
PHIL 3062  Philosophy of Feminism ........................................ 3
TOTAL ....................................................................................... 16

Junior - Fall Semester

ENGL 3010  Poetry ................................................................. 3
ENGL 3300  Literary Criticism .................................................. 3
HIST 3720  History of Africa ..................................................... 3
FREN 2010  Beginning French II .............................................. 3
THEA 1030  Introduction to Theatre ........................................ 3
PHED 2420  Lifeguarding .......................................................... 2
TOTAL ....................................................................................... 17

Junior - Spring Semester

ENGL 3030  Drama ................................................................ 3
ENGL 3500  Women Authors .................................................... 3
HIST 3230  Renaissance/Reformation ...................................... 3
FREN 2010  Second Year French ............................................. 3
GEOG 1120  Earth Science ........................................................ 4
TOTAL ....................................................................................... 16

Senior - Fall Semester

ENGL 4200  Shakespeare .......................................................... 3
ENGL 4690  Milton and His Age .............................................. 3
FREN 2020  Second Year French ............................................. 3
HIST 4147  The Old South ........................................................ 3
HIST 4227  History of Rome ..................................................... 3
PHED 2440  Scuba .................................................................. 1
TOTAL ....................................................................................... 16

Minor in English – The minor consists of 24 credit hours above the freshman level (except for ENGL 2030, not offered for credit toward a minor), at least 18 of which must be at the 3000 or 4000 level, with a minimum of nine hours at the 4000 level.

Graduate Study – The Department of English also offers a master’s degree. See the graduate catalog for further information.

The Film Studies Minor seeks to educate students about film in an interdisciplinary context. The goals of this program are to encourage serious consideration of film as an art form; to explore film as a medium of communication; and to examine the power of film in shaping attitudes, values, and our understanding of society and the world.

Courses are designed to provide students with knowledge of the techniques of the filmmaking process, the historical development of film as an institution, film theory, methods of critical analysis, and an awareness of the relationship of film to broader issues within various disciplines.

The Film Studies Minor requires 21 credit hours of coursework. A 12 credit hour core is required of all minors. Students may select 9 credit hours of elective courses to complete the minor course of study.

Required Core ......................................................................... 12 credits
ENGL 3290  Introduction to Film Study .................................... 3
RTVF 2630  Writing for Radio TV ............................................ 3
RTVF 3602  Video/Film Techniques ........................................ 3
ENGL 4320  Film Criticism ...................................................... 3

Guided Electives (from the following)* ........................................ 9 credits
ENGL 4290  Film Genres .......................................................... 3
ENGL 4507  Literature and Film .............................................. 3
ENGL 4340  Topics in Film ....................................................... 3
SPAN 4117  Hispanic Cinema .................................................. 3
CJCR 4026  Themes of Justice .................................................. 3
PSCI 4957  Special Topics in Political Science whenever topic is “Politics and Film” .................................................. 3
HIST 4957  Special Topics in History whenever topic is “History of Blacks on Film” .................................................. 3
RTVF 4957  Topics in Broadcasting ......................................... 2-6
RTVF 4680  Broadcast Practicum ............................................. 2

NOTE: Broadcast Practicum may be elected by students with special interest in production and may be applied to any of the above disciplines. Broadcast Practicum counts above and beyond minor requirements. Can count as an elective.

With approval of the Film Studies Committee, additional special topics courses may be counted in the minor; however, no courses counting toward the student’s major may be counted toward satisfying the minor’s requirements.
The Department of Foreign Languages offers courses in French, German, Japanese, and Spanish designed to give the student a working knowledge of a language in the areas of reading, writing, listening and speaking, and to help create in students an appreciation and understanding of languages and cultures other than their own. In addition to the cultural objective and personal satisfaction, the student will find that foreign language study is an aid in scientific study, business, foreign trade, travel, and international politics.

Placement – Placement in the appropriate level of foreign language, for those students with prior language experience entering ETSU, will be determined pursuant to the published policy statement of the Department of Foreign Languages at ETSU. The statement is available on the departmental web site as well as from university offices such as the Advisement Resources Career Center.

Laboratory Requirements – As part of the requirements for course credit for the 1000 and 2000 level of foreign language study, students must attend the Language Arts Center (LAC) as assigned by instructor.

Foreign Students – Foreign students whose native language is not English will have to take six hours of 3000- or 4000-level coursework in the native speaker's language in order to fulfill the B.A. foreign language requirement or they may choose to complete two years of college-level work in another single foreign language other than their native language.

Transfer Students – Students transferring to ETSU and wishing to receive a major or a minor in a foreign language must complete at least 12 hours of upper division courses for the major or nine hours of upper division courses for the minor at ETSU.

Graduate School Requirements – Preprofessional students and students who are contemplating graduate study are advised to check the catalogs of professional and graduate schools regarding foreign language reading requirements.

Graduate Study – The Department of Foreign Languages has been approved to offer graduate courses in French, German, and Spanish that may lead to 15 semester hours of concentration in French, German, or Spanish as part of a master of arts degree in secondary education. Further information on graduate programs is contained in the School of Graduate Studies catalog.

Teacher Education – Students interested in pursuing a teacher education program for certification as a foreign language teacher are asked to see their foreign language advisor in the College of Arts and Sciences AND their professional advisor in the Office of Student Services, 321 Warf-Pickel, College of Education.

Pre-Teacher Education – Declaration of Intent – All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Student Services, 321 Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.

Professional Education Requirements – There is a total of 44 credit hours required for Professional Education. Please refer to the Professional Education Requirement section in the Department of Education in this catalog for a list of the required courses.

Students majoring in foreign languages who wish to fulfill teacher certification requirements must complete course LANG 4417, Teaching Foreign Languages.

Several programs of study leading to the B.A. in foreign languages are available. The traditional major, with concentrations in French, German, or Spanish, emphasizes the liberal arts training needed in a variety of jobs. These include library or museum work, general business, and teaching. These curricula are designed to help prepare students for employment in fields where knowledge of a foreign language is of particular advantage. In addition to the General Education Core Requirements, there are degree requirements in the College of Arts and Sciences outlined in the earlier pages of this section.

Requirements for the different programs are as follows:

Traditional Major in Foreign Languages, with concentrations in French, German, or Spanish - A minimum of 33 semester hours above the 1000 level, in the language of the concentration.

Coursework, as well as a Portfolio, should be planned in consultation with the major advisor. Exit requirements for the major include the completed Portfolio and the Oral Exit Interview.

All Foreign Language majors also require a minor. Students may select a minor from a number of fields that will enhance their professional opportunities, such as business, communications, criminal justice, film studies, health education, history, international studies, political science, sociology, urban studies, or a second foreign language.

FRENCH

Major and Minor Pre-requirements ................................. 6 credit hours
French 1010 Beginning French I ................................................ 3
French 1020 Beginning French II ............................................. 3

Major Requirements ......................................................... 33 credit hours
Minor Requirements ......................................................... 21 credit hours

Credit hours to be chosen from the following:
FREN 2010 Second Year French I ................................................ 3
FREN 2020 Second Year French II ........................................ 3
FREN 3010 French Conversation/Composition I ..................... 3
FREN 3110 French Conversation/Composition II ..................... 3
FREN 3310 French Civilization ................................................ 3
FREN 3510 French Literature before 1700 ............................... 3
FREN 3610 French Literature after 1700 ................................. 3
FREN 4117 French Drama 1600-Present ................................ 3
FREN 4217 French Literature 16th Century ................................ 3
FREN 4317 French Literature 17th Century ................................ 3
FREN 4337 French Phonetics & Pronunciation ....................... 3
FREN 4417 French Literature 18th Century ............................... 3
FREN 4517 French Literature 19th Century ............................... 3
FREN 4617 French Literature 20th Century ............................... 3
FREN 4900 Special Studies in French ..................................... 3
FREN 4957 Topics in French .................................................. 3

In addition to the 33 credit hours, students wishing to be certified in French must complete the following methods course, counted as an education requirement:

LANG 4417 Teaching Foreign Languages ................................. 3

GERMAN

Major and Minor Pre-requirements ................................. 6 credit hours
GERM 1010 Beginning German I ............................................. 3
GERM 1020 Beginning German II .......................................... 3

Major Requirements ......................................................... 33 credit hours
Minor Requirements ......................................................... 21 credit hours
Credit hours to be chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM 2010</td>
<td>Second Year German I</td>
<td>3</td>
</tr>
<tr>
<td>GERM 2020</td>
<td>Second Year German II</td>
<td>3</td>
</tr>
<tr>
<td>GERM 3121</td>
<td>German Conversation/Composition I</td>
<td>3</td>
</tr>
<tr>
<td>GERM 3141</td>
<td>German Conversation/Composition II</td>
<td>3</td>
</tr>
<tr>
<td>GERM 3011</td>
<td>German Literature I (before 1700)</td>
<td>3</td>
</tr>
<tr>
<td>GERM 3021</td>
<td>German Literature II (1700 to present)</td>
<td>3</td>
</tr>
<tr>
<td>GERM 3111</td>
<td>German Civilization</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4121</td>
<td>20th Century German Literature</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4137</td>
<td>The Age of Goethe</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4147</td>
<td>The German Short Narrative</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4157</td>
<td>Austrian Literature</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4167</td>
<td>Advanced German Grammar</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4901</td>
<td>Special Studies in German</td>
<td>3</td>
</tr>
<tr>
<td>GERM 4957</td>
<td>Topics in German</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition to the 33 credit hours, students wishing to be certified in German must complete the following methods course, counted as an education requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANG 4417</td>
<td>Teaching Foreign Languages</td>
<td>3</td>
</tr>
</tbody>
</table>

### JAPANESE

**Minor Pre-requirements** ....................................................... 6 credit hours

- JAPN 1010 Beginning Japanese I ........................................ 3
- JAPN 1020 Beginning Japanese II ....................................... 3

**Required Core** .................................................................... 18 credit hours

- JAPN 2010 Second Year Japanese I ........................................ 3
- JAPN 2020 Second Year Japanese II ..................................... 3
- JAPN 3015 Japanese Conversation/Composition I ................... 3
- JAPN 3025 Japanese Conversation/Composition II .................. 3
- JAPN 4015 Advanced Japanese I .......................................... 3
- JAPN 4025 Advanced Japanese II ........................................ 3

**Guided Electives** (one from the following) ..................... 3 credit hours

- JAPN 4975 Topics in Japanese ........................................... 3
- HIST 3740 History of Asia .............................................. 3
- HIST 4707 East Asia since 1900 ....................................... 3

**Total** .................................................................................. 21

### SPANISH

**Major and Minor Pre-requirements** .................................... 6 credit hours

- SPAN 1010 Beginning Spanish I ........................................... 3
- SPAN 1020 Beginning Spanish II ......................................... 3

**Major Requirements** .......................................................... 33 credit hours

- SPAN 2010 Second Year Spanish I ........................................ 3
- SPAN 2020 Second Year Spanish II ...................................... 3
- SPAN 3033 Basic Spanish Grammar ...................................... 3
- SPAN 3013 Spanish Conversation/Composition I ................... 3
- SPAN 3033 Hispanic Readings and Composition .................... 3
- SPAN 3113 Spanish Conversation/Composition II .................. 3
- SPAN 3213 Spanish Phonetics & Pronunciation .................... 3
- SPAN 3313 Civilization of Spain ....................................... 3
- SPAN 3413 Civilization of Latin America                     | 3
- SPAN 3513 Survey of Spanish Literature                     | 3
- SPAN 3613 Survey of Spanish-American Literature            | 3
- SPAN 3713 Hispanic Poetry                                  | 3
- SPAN 4007 Golden Age Drama                                 | 3
- SPAN 4017 Advanced Spanish Grammar I                      | 3
- SPAN 4027 Advanced Spanish Grammar II                     | 3
- SPAN 4107 Cervantes                                       | 3
- SPAN 4117 Hispanic Cinema                                 | 3
- SPAN 4407 Twentieth-Century Spanish Literature            | 3
- SPAN 4507 Spanish Short Story                              | 3

**Guided Electives** ................................................................ 6 credit hours

- SPAN 4117 Hispanic Cinema                                  | 3
- SPAN 4137 Applied Spanish: Translation and Community Outreach | 3
- SPAN 4900 Independent Study                                | 3

**Guided Electives** ................................................................ 3 credit hours

- SPAN 4027 Advanced Spanish-American Literature            | 3
- SPAN 4107 Cervantes                                       | 3
- SPAN 4137 Applied Spanish: Translation and Community Outreach | 3
- SPAN 4900 Independent Study                                | 3

**Total credits** ...................................................................... 18

### Suggested Course Sequence for the Bachelor of Arts with a Major in Language and a Concentration in Spanish, Minor in English

#### Freshman - Fall Semester

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<tr>
<td>ASTR 1015</td>
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<tr>
<td>ENGL 1010</td>
<td>Critical Reading and Expository Writing</td>
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<td>SPAN 1010</td>
<td>Beginning Spanish I</td>
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<tr>
<td>MATH 1530</td>
<td>Probability and Statistics</td>
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<td>HIST 2010</td>
<td>The United States to 1877</td>
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#### Freshman - Spring Semester

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<tr>
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<td>Beginning Spanish II</td>
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<tr>
<td>ASTR 1025</td>
<td>Astronomy II</td>
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<tr>
<td>HIST 2200</td>
<td>The United States Since 1877</td>
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**Total** .................................................................................. 16

#### Sophomore - Fall Semester

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<thead>
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<tr>
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<td>CSCI 1100</td>
<td>Using Information Technology</td>
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<tr>
<td>PHIL 2020</td>
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<td>Aquafitness</td>
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**Total** .................................................................................. 16
Sophomore - Spring Semester

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<tr>
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<td>British Literature I</td>
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<tr>
<td>SPAN 2020</td>
<td>Second Year Spanish II</td>
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<td>PHIL 2120</td>
<td>Folk Dance</td>
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<td>Introduction of the Study of Religion</td>
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Junior - Fall Semester

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<td>Hispanic Readings and Composition</td>
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<td>History of Africa</td>
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Junior - Spring Semester

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<td>GEOG 1120</td>
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<td>SPAN 3313</td>
<td>Civilization of Spain</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3113</td>
<td>Spanish Composition and Conversation</td>
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</tr>
<tr>
<td>SPAN 3613</td>
<td>Survey of Spanish-American Literature</td>
<td>3</td>
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Senior - Fall Semester

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<tr>
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<tr>
<td>ENGL 4200</td>
<td>Shakespeare</td>
<td>3</td>
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<tr>
<td>SPAN 3213</td>
<td>Spanish Phonetics and Pronunciation</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3413</td>
<td>Civilization of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4230</td>
<td>Renaissance and Reformation Europe</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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Senior - Spring Semester

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 4010</td>
<td>British Novel</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4107</td>
<td>Cervantes</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3280</td>
<td>Mythology</td>
<td>3</td>
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<tr>
<td>SPAN 3513</td>
<td>Survey of Spanish Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4340</td>
<td>Topics in Film</td>
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**Department of History (HIST)**

P.O. Box 70672  Phone: 423/439-4222
Web Address: www.etsu.edu/cas/history/hist.htm

History is the study of humans as revealed by the past. The study of history is an indispensable intellectual endeavor for students who desire to understand and appreciate the human condition in all of its diversities as well as the historical process that has shaped their personal lives. The Department of History offers a wide array of courses in the history of Asia, Africa, Europe, Latin America, and the United States designed to acquaint students with the complexities of today's multicultural "global village" and to deepen their understanding of the events, opinions, ideas, and facts they will need to make informed political, social, and personal judgements throughout their lives. The study of history provides an appropriate background for almost any career. The history degree is particularly useful in preparation for professional and graduate studies, such as law and religion. The preprofessional historian can find a rewarding career in teaching, archival work, museums, journalism, government, administration, and other occupations that call for a strong liberal arts background.

**Major** – A student majoring in history must complete requirements for the B.A., B.S., or B.S./s.s. (social and behavioral sciences concentration.)

**Major Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIST 1110 &amp; 1120 World Civilization</td>
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<tr>
<td>HIST 3410</td>
<td>Intro. to Historical Study</td>
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<td>HIST 3000-level courses (2)*</td>
<td>6</td>
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<tr>
<td>HIST 4000-level courses (5)*</td>
<td>15</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

*Of the 24 credit hours taken at the 3000 or 4000 level, at least 6 credits must be taken in each of the general areas of U.S., European, and World History.

**Intensive Courses** – Students who enter ETSU as freshmen or with less than 60 transfer hours must take: two oral communication-intensive courses, of which one must be in the major; one using information technology-intensive course in the major; four writing-intensive courses. At least two of these must be in the major; at least two must be at the 3000-4000 level. Students must meet proficiency-intensive requirements through courses taken at ETSU.

**Physical Education**

Two courses, one being from the fitness activity category and one from the lifetime activities category

**B.A. Requirements**

Select MATH 1530, 1820, 1940, or 1910

Two courses of a single language at or above the 2000 level

One course of Non-U.S. History

**B.S. Requirements**

Select MATH 1850 or 1910, including experience in the differential and integral calculus.

8 credit hours of single laboratory science in addition to General Education Core

**B.S. (Social & Behavioral Sciences) Requirements**

Select MATH 1530 Prob & Stats - Noncalculus

8 credit hours of single laboratory science

3 credit hours from each of the following areas:

1. Social Statistics
2. Reasoning and Argumentation
3. Research Design for Social Science (subject to departmental restrictions)
4. Microcomputer Skills

**MINOR**

18-26 Credits

**Electives**

10-26 Credits

**Total Credit Hours required for Degree**

128 Credits

**Minor** – A minor in history requires completion of a minimum of 21 semester hours of study, including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1110 &amp; 1120 World Civilization</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIST 4000-level courses (3)*</td>
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</tr>
<tr>
<td>HIST 3000- or 4000-level courses (2)*</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL 21</strong></td>
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<td></td>
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</tbody>
</table>

*Of the 15 credit hours taken at the 3000 or 4000 level, at least 3 credits must be taken in each of the general areas of U.S., European, and World History.

**Transfer Students** – Transfer students must meet the specific requirements for the history major or minor. Regardless of the number of credits in history they transfer, they must take a minimum of two 3000-level courses and three 4000-level courses for the major, or one 3000-level course and two 4000-level courses for the minor. Transfer students must maintain a minimum average of “C” in courses taken in the department.
International Studies Minor  
(INTL)

P.O. Box 70651    Phone: 423/439-6629

The International Studies minor is an interdisciplinary program for students within all academic disciplines who would like to gain a greater appreciation for the global community and who wish to equip themselves better to perform in that community. The International Studies minor seeks to broaden the academic perspectives of students and thereby make them sensitive to the complexities of relations and dialogues among different areas and cultures. Students completing the International Studies minor will be better prepared to view and analyze global conditions and will be capable of creative work in the international arena.

The minor represents a highly interdisciplinary effort that draws upon the resources of several academic units across the ETSU campus. The International Studies minor builds on the goals of the ETSU General Education Core by affording students the opportunity to confront issues of internationalization and globalization.

A minor in International Studies requires the completion of 21 hours of coursework, including two required courses:

- INTL 2000 Introduction to International Studies .......... 2
- INTL 4000 International Studies Senior Seminar .......... 1

Students are encouraged to design a course grouping for the remaining 18 hours in consultation with the International Studies Program Director and Advisory Board.

Program options are shown below. Courses listed within each option are only examples. Student course selections are not limited to those courses.

Program Option I: Requires six hours of a foreign language beyond the requirements of student's degree program or major, plus 12 hours of electives in one or two departments, to form a coherent and logical program of study.

Example:

- INTL 2000 Introduction to International Studies .......... 2
- JAPN 3015 Japanese Conversation and Composition I ...... 5
- JAPN 3025 Japanese Conversation and Composition II ...... 3

Program Option II: Six hours of a foreign language beyond the requirements of student's degree program or major. Twelve hours of electives in up to three different departments, to form a coherent and logical program of study.

Example:

- INTL 2000 Introduction to International Studies .......... 2
- GERM 2010 Second Year German I ......................... 3
- GERM 2020 Second Year German II ....................... 3
- GEOG 1013 Introduction to World Regional Geography .... 3
- HIST 3340 Modern Europe ................................ 3
- PSCI 3800 European Politics ................................ 3
- GEOG 4307 Regional Geography ........................... 3
- INTL 4000 International Studies Senior Seminar .......... 1

Program Option III: Eighteen hours of electives in up to five different departments, to form a coherent and logical program of study. Three hours of a foreign language is optional, not required.

Example:

- INTL 2000 Introduction to International Studies .......... 2
- SPAN 2010 Second Year German I ......................... 3
- PSCI 3830 Government and Politics of Latin America .... 3
- SPAN 4117 Hispanic Cinema ................................ 3
- GEOG 4307 Regional Geography: Latin America .......... 3
- HIST 4730 Latin America: Revolution and Nationalism ... 3
- SOAA 4957 Special Topics: People and Cultures of Latin America ......................... 3
- INTL 4000 International Studies Senior Seminar .......... 1

Department of Mathematics

P.O. Box 70663 Phone: 423/439-4349
Web Address: www.etsu.edu/math/math.htm

The Department of Mathematics offers courses to serve a variety of programmatic needs, including coursework to support training in pure and applied mathematics, mathematics education for secondary certification, statistics, computer science, business, and the physical and life sciences. The programs of study enable students to select courses suited to a variety of career goals. Advising plays an integral role in achieving these objectives. Consequently, each student selecting mathematics as a major is assigned an advisor to assist with scheduling and career planning. A minor in mathematics is also available to the student choosing to complement another choice for major.

Financial Support

Scholarships and loans are available for the conscientious mathematics majors who are seeking support for their education. The Edward Stanley Scholarship, Jeffrey Lynn Hightower Memorial Scholarship, Charles F. Wilkey Scholarship, Wilson-Hartsell Scholarship, Depew Scholarship, Faber-Neal Scholarship, and Roesel Awards are scholarships designated for mathematics and science majors. To encourage students to teach mathematics in the public schools of Tennessee, the Teacher Loan/Scholarship program has been instituted to cover tuition and fees at East Tennessee State University. The interested student should consult the Financial Aid section of this catalog.
Diagnostic/Placement Program

Students admitted to the university for the first time will be placed in a mathematics course based on their ACT score (or comparable SAT score) to ensure the best possible chance for success. Moreover the Department of Mathematics strongly recommends that each student meet with an advisor to see what mathematics courses to take based on mathematics background and program requirements.

Service Courses and General Education Requirements

Besides those mathematics courses designed for the mathematics major, mathematics minor, and other technical programs of study, there are a number of mathematics courses designed specifically to serve the needs of other programs.

Science and Technology Majors – These majors are expected to complete the three-course sequence 1720, 1840, and 1850. As electives, the interested students may wish to include coursework in linear algebra or in statistics.

General Education Requirements – See major or minor listing for courses to satisfy this requirement. To fulfill the General Education requirement in mathematics, the student must successfully complete one of the following courses: MATH 1840, MATH 1530, or MATH 1910. Undeclared majors or students in programs with no specified mathematics course should enroll in MATH 1530.

Programs of Study in Mathematics

The programs of study in mathematics available to students are briefly described here. Specific program requirements are explained in greater detail later.

Mathematics Major – The B.S. degree is available for undergraduate mathematics majors. A major must complete the mathematics core requirements and then select one of three tracks: mathematical sciences, mathematical statistics, or mathematics education. Curriculum requirements for each of the three tracks are given below. Students planning to teach mathematics at the secondary level may choose the education track. In addition, such students must complete professional education requirements for secondary education students. Students planning to pursue careers in industry or a field that utilizes statistics should choose the statistics track. All other majors, such as those intending to pursue a graduate degree in mathematics or those desiring a job in research or industry utilizing areas of mathematics other than statistics, should choose the mathematical sciences track. The latter track offers the most flexibility. Due to the number of hours required for the major, a minor is not mandatory for students majoring in mathematics.

Mathematics Minor – Students majoring in other disciplines may wish to complement their programs by completing a minor in mathematics. The program consists of 23 credit hours of mathematics as follows: 1910, 1920, 2010 are required. The remaining coursework must be selected from 2050, 2110, 2120, 2800, or upper level (junior/senior) courses. The interested student should be advised by the undergraduate mathematics advisor.

Co-op Program – Consult the chair for information.

Graduate Program – The master of science degree in mathematical sciences is available. Consult the graduate catalog for details.

Major in Mathematics Program

Overview – The requirements for the Bachelor of Science (B.S.) in mathematics are as follows:

1. Completion of the university and college general education requirements (see the core curriculum requirements in this catalog).
2. Completion of the mathematics core requirements listed below, as well as completion of the requirements for one of the three mathematics tracks, also listed below.

Mathematics Core Requirements:

- MATH 1090 Seminar I .............................................................. 2
- MATH 1910 Calculus I ............................................................ 4
- MATH 1920 Calculus II ......................................................... 4
- MATH 2010 Linear Algebra .................................................. 3
- MATH 2050 Probability & Statistics - Calculus based .......... 3
- MATH 2110 Calculus III ....................................................... 4
- MATH 2800 Mathematical Reasoning ..................................... 3
- MATH 3090 Seminar II ....................................................... 2
- MATH 4127 Introduction to Modern Algebra ................. 3
- MATH 4217 Analysis I ...................................................... 3
- MATH 4257 Numerical Analysis OR ...................... 3
- MATH 4267 Numerical Linear Algebra .................................. 3
- CSCI 1250 Introduction to Computer Science ............ 4
- CSCI 1260 Structured Programming ............................. 3
- PHYS 2110 Technical Physics I - Calculus based .... 5
- PHYS 2120 Technical Physics II - Calculus based .... 5
- SPCH 1300 General Speech ............................................. 3

Total Hours: .......................................................................... 55

Total Hours in Mathematics: ............................................... 34

Mathematical Sciences Track:

- MATH 2120 Differential Equations ........................................... 3
- MATH Elective (3000/4000 level) or CSCI 2210 Data Structures .......... 3
- MATH 4340 Combinatorics and Graph Theory I .................. 3
- MATH 4350 Combinatorics and Graph Theory II ............. 3
- MATH Elective (3000/4000 level) .......................................... 3

Total Hours in addition to core: ............................................. 15

Mathematical Statistics Track:

- MATH 2120 Differential Equations ........................................... 3
- MATH 3040 History of Mathematics .................................... 3
- MATH 3120 Number Theory .................................................. 3
- MATH 4157 Modern Geometry ........................................... 3
- MATH 4417 Teaching Secondary Math ............................ 3

Total Hours in addition to core: ............................................. 15

Suggested Course Sequence for Major in Mathematical Sciences Track

Mathematics Core Requirements

- ENGL 1010 Critical Reading & Expository Writing ............ 3
- MATH 1910 Calculus I ............................................................ 4
- MATH 1090 Seminar I ............................................................ 2
- CSCI 1100 Using Information Technology .................... 3
- Science .............................................................................. 4
- Physical Education ............................................................ 1

TOTAL ......................................................................................... 17

Freshman - Fall Semester

- ENGL 1020 Critical Reading & Argumentation .................. 3
- MATH 1920 Calculus II ............................................................ 4
- MATH 2050 Linear Algebra .................................................. 3
- Science .............................................................................. 4
- Physical Education ............................................................ 1

TOTAL ......................................................................................... 15

Freshman - Spring Semester

- MATH 2800 Mathematical Reasoning .................................. 3
- MATH 2110 Calculus III ............................................................ 4
- CSCI 1250 Introduction to Computer Science ............ 4
- Institutions and Society ......................................................... 3
- HIST 2100 The United States to 1877 ............................ 3

TOTAL ......................................................................................... 17

Sophomore - Fall Semester

- MATH 2010 Linear Algebra .................................................. 3
- MATH 2110 Calculus III ............................................................ 4
- CSCI 1250 Introduction to Computer Science ............ 4
- Institutions and Society ......................................................... 3
- HIST 2100 The United States to 1877 ............................ 3

TOTAL ......................................................................................... 17
### Sophomore - Spring Semester

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<td>Arts &amp; Artistic Vision Option</td>
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<tr>
<td>MATH 2120</td>
<td>Differential Equations</td>
<td>3</td>
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<tr>
<td>HIST 2020</td>
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### Junior - Fall Semester

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### Junior - Spring Semester

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<td>MATH 4257</td>
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<tr>
<td>MATH 4267</td>
<td>Numerical Linear Algebra</td>
<td>3</td>
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<tr>
<td>MATH 4340</td>
<td>Combinatorics &amp; Graph Theory I</td>
<td>3</td>
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<tr>
<td>TOTAL</td>
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### Senior - Fall Semester

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MATH 4350</td>
<td>Combinatorics &amp; Graph Theory II</td>
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<tr>
<td>Humanities Elective</td>
<td>3</td>
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</table>

A total of 113 hours is required for the mathematical sciences track program. Also 128 hours are required for the B.S. degree.

### Suggested Course Sequence for Major in Mathematics in Statistics Track

#### Mathematics Core Requirements

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman - Fall Semester</td>
<td>MATH 1110</td>
<td>Critical Reading &amp; Expository Writing</td>
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<tr>
<td></td>
<td>MATH 1170</td>
<td>Calculus I</td>
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<tr>
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<td>CSCI 1100</td>
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<td>2</td>
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<tr>
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<tbody>
<tr>
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<td></td>
<td>Science</td>
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<thead>
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<th>Credits</th>
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<tbody>
<tr>
<td>Sophomore - Fall Semester</td>
<td>MATH 2800</td>
<td>Mathematical Reasoning</td>
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<td></td>
<td>CSCI 1250</td>
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<td></td>
<td>Institutions and Society</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
</tr>
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<table>
<thead>
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<th>Course Code</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Sophomore - Spring Semester</td>
<td>MATH 2050</td>
<td>Fundamentals of Probability &amp; Statistics</td>
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<td></td>
<td>CSCI 1260</td>
<td>Structured Programming</td>
<td>4</td>
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<td></td>
<td>Arts &amp; Artistic Vision Option</td>
<td>3</td>
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<td>Humanities Option</td>
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<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Junior - Fall Semester</td>
<td>MATH 4127</td>
<td>Modern Algebra I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHYS 2110</td>
<td>Technical Physics I</td>
<td>5</td>
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<tr>
<td></td>
<td>SPCH 1300</td>
<td>General Speech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 4307</td>
<td>Sampling and Survey Techniques</td>
<td>3</td>
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<tr>
<td></td>
<td>Institutions and Society</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Junior - Spring Semester</td>
<td>MATH 4217</td>
<td>Analysis I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 4257</td>
<td>Numerical Analysis</td>
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<td>MATH 4267</td>
<td>Numerical Linear Algebra</td>
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<td>MATH 4340</td>
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</table>

A total of 113 hours is required for the statistics track program. Also 128 hours are required for the B.S. degree.

### Suggested Course Sequence for Major in Mathematics in Education Track

#### Mathematics Core Requirements

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman - Fall Semester</td>
<td>ENGL 1110</td>
<td>Critical Reading &amp; Expository Writing</td>
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<tr>
<td></td>
<td>MATH 1910</td>
<td>Calculus I</td>
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<tr>
<td></td>
<td>MATH 1090</td>
<td>Seminar I</td>
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<td></td>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
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<td></td>
<td>Science</td>
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<tr>
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<td>Physical Education</td>
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<table>
<thead>
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<th>Semester</th>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Freshman - Spring Semester</td>
<td>ENGL 1120</td>
<td>Critical Reading &amp; Argumentation</td>
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<td>MATH 1920</td>
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<td>MATH 2110</td>
<td>Linear Algebra</td>
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<td></td>
<td>Science</td>
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### Sophomore - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MATH 2800</td>
<td>Mathematical Reasoning</td>
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<td>CSCI 1250</td>
<td>Introduction to Computer Science</td>
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<tr>
<td>EDFN 2100</td>
<td>Orientation to Education</td>
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<tr>
<td>HDAL 2330</td>
<td>Adolescent Psychology</td>
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<tr>
<td>General education requirement</td>
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### Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MATH 2050</td>
<td>Fundamentals of Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1260</td>
<td>Structured Programming</td>
<td>4</td>
</tr>
<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
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<td>HDAL 3310</td>
<td>Educational Psychology</td>
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### Junior - Fall Semester

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MATH 4127</td>
<td>Modern Algebra I</td>
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<tr>
<td>PHYS 2110</td>
<td>Technical Physics I</td>
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<td>SPCH 1300</td>
<td>General Speech</td>
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<tr>
<td>MATH 4307</td>
<td>Sampling and Survey Techniques</td>
<td>3</td>
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<tr>
<td>Institutions and Society</td>
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### Junior - Spring Semester

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<tr>
<td>MATH 3090</td>
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<td>PHYS 2120</td>
<td>Technical Physics II</td>
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<td>MATH 4287</td>
<td>Applications of Statistics</td>
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<td>Heritage Option</td>
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<td>Identity, Ethics and Social Responsibility</td>
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A total of 113 hours is required for the statistics track program. Also 128 hours are required for the B.S. degree.
East Tennessee State University

Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 4217</td>
<td>Analysis I ..................................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4257</td>
<td>Numerical Analysis</td>
<td></td>
</tr>
<tr>
<td>MATH 4267</td>
<td>Numerical Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4417</td>
<td>Teaching Secondary Mathematics</td>
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<td>READ 4437</td>
<td>Reading in Middle/Secondary Schools</td>
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<tr>
<td>SPED 2300</td>
<td>Exceptional Learners</td>
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<tr>
<td>MEDIA 3570</td>
<td>Educational Technology</td>
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Senior - Spring Semester

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<td>Seminar in Education</td>
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<td>CUAI 4580</td>
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NOTE: A total of 18 hours in general education must be taken in summer school in order to complete the requirements in four years.

A total of 157 hours is required for the education track program.

Recommendations

A student who plans to major in mathematics is encouraged to:

1. Obtain a program sheet from the Department of Mathematics which outlines the specific requirements for the selected program of study.
2. Read the catalog to determine other requirements for the degree he/she is seeking, and
3. Work closely with an advisor. The student, and not the advisor, is responsible for knowing the program requirements for the particular degree he/she is seeking.

Department of Music (MUSC)

P.O. Box 70661 Phone 423/439-4270
Web Address: www.etsu.edu/music

The Department of Music at East Tennessee State University was established in 1946 and is a fully accredited member of the National Association of Schools of Music.

The Department of Music provides specialized training in music to prepare students for professional work or advanced study, for teaching music in the elementary and secondary schools, and for general cultural attainment.

The curriculum of the Department of Music is designed to present the learning of music as an integrated whole. Solo and ensemble performance, theoretical and historical studies, concert attendance, and electives both within and outside the department are intended to provide a balanced education.

In addition to training in the various professions of music, the department provides general music studies and activities for the non-music major, the university, and the community.

Major Fields of Study and Degrees

Undergraduate instruction in the department leads to the Bachelor of Music (B.M.) degree with a specialization in Music Education or in Performance. Students choosing music education will identify a specialization in instrumental, vocal, or keyboard/vocal. These students must also complete the core courses required as part of the professional education program, included later in this section. Students may also pursue a minor in music.

The Department of Music also offers training in the Suzuki method for flute. Courses in this program meet certification guidelines of the Suzuki Association of the Americas (SAA).

The Department of Music also offers a wide variety of courses for the non-music major. Any student can enroll in music survey and music fundamentals courses, private lessons (depending on faculty availability), ensembles, and beginning voice and guitar classes.

Events

The Department of Music offers a wide variety of recitals, concerts, lectures, and other programs by students, faculty, and distinguished guest artists. Most of the programs are free and open to the public. The events schedule can be found at www.etsu.edu/music/events.html.

Student Organizations

The Department of Music encourages participation in music-related student organizations. Active chapters of Delta Omicron, Music Educators National Conference, Percussive Arts Society, and Phi Mu Alpha Sinfonia provide social, service and professional opportunities for both music and non-music majors.

Scholarships and Awards

Upon recommendation of the faculty, students may be awarded scholarships for talent in music. Scholarship auditions are held in February and March each year. Details are available on the department’s web page. Awards vary in size and include the following:

- The Lamar Alexander Scholarship
- The Elsie Artz Memorial Scholarship
- The Teresa Bowers Scholarship
- The Floyd Cramer Scholarship
- Ella V. Ross Scholarship
- The Mary Florence and Virgil C. Self Scholarship
- Band and Choral Performance Scholarships
- The Powell Choral Scholarship
- Richard Compton Memorial Scholarships
- W.G. Patton Scholarship
- Robert LaPella Vocal Scholarship

Other awards based upon academic excellence and performance ability are also available from the Department of Music.

Admission and Enrollment Policies

Any student seeking a degree in music at ETSU must first meet the general university admission requirements. Once that admission is granted, the student must audition for admission to the music degree program. Auditions are held on selected dates during the spring (see the department Web page, www.etsu.edu/music, for dates), at all orientation sessions, and by appointment.

The audition may be performed live or via videotape (if the student lives more than 250 miles from campus). The audition is approximately 10 minutes in length and should demonstrate the student’s technique and musicianship. The audition is judged by music department faculty.

If a student meets the audition requirements and is admitted to the program, an academic advisor will assist the student in determining courses to be taken. Students who do not meet the audition requirements may register for applied music and for ensembles and may audition again at a later date. It is not recommended that a student audition more than twice without being admitted, as the student’s academic progress will be seriously delayed if a major is not declared by the sophomore year.

Applied Music

Music majors must register for a minimum of seven semesters of applied music (private instruction) in their major area of performance; lessons must be taken with a member of the department faculty. Students may register for either one or two credit hours per semester. Each hour of credit represents a minimum of one half-hour lesson and six hours of practice per week. A fee of $100 per credit hour is assessed.

Admission to applied music is by audition only. Non-music majors may register for applied music when faculty loads permit. All students must have permission from the department to register for lessons.
Jury examinations are held at the end of each semester of applied study; the purpose of the juries is to determine student progress in the performance area. Applied study for music majors and minors is offered at three levels. Students who remain at Level I for three semesters may be advised to change to another major. Students who are retained in the music program are expected to achieve Level III (upper-division standing) during the third year of study, and a minimum of one semester of study at Level III must be successfully completed prior to graduation.

Additional performance and jury requirements are found in the Music Student Handbook, available at http://www.etsu.edu/music.

Performance Requirements

All music majors must perform a solo work in public each semester. Freshman music majors are expected to perform once during the year. “In public” includes studio class or recital, department recital, half or full recital, or other public events as approved by the applied instructor.

All music majors, regardless of concentration, must perform a 30-minute half recital. Music performance majors must also perform a one-hour full recital. A student must be admitted to Level III prior to presenting a half or full recital.

In addition to the performance component of the half recital, students must prepare a written document demonstrating their understanding of theoretical and historical concepts related to the music being performed, as well as program notes. Details about this document are found in the Student Handbook section of the department Web page.

Specific information about the recital approval process is also available in the Student Handbook.

Piano Proficiency

All music majors are required to meet minimum proficiency levels on piano. Beginning with the first semester of residence, music majors must enroll for piano study, either through group keyboard classes or through private lessons, every semester until the piano proficiency examination is passed. Music education majors must pass the examination prior to student teaching. Specific details about the examination are found in the Music Student Handbook.

Sight-Reading Proficiency

All music majors must successfully pass two sight-reading proficiency examinations. The examination is part of the jury for advancement from one level to another. Students advancing to Level II are expected to sight-read at Grade 7 on the Associated Board scale; students advancing to Level III must sight-read at Grade 8.

Independent Musicianship

All music majors must demonstrate the ability to prepare a new piece of music for performance without the assistance of a faculty member. This skill must be demonstrated at the jury during which a student applies for admission to Level III. Details about the requirement can be found in the Student Handbook section of the department Web page.

Ensemble

Performing experience in ensembles is a vital part of the training of all musicians. Thus, all music majors are required to participate in an ensemble every semester of full-time enrollment. Wind and percussion majors in the music education concentration must be in band (wind ensemble, concert band, or marching band) each semester, including at least three semesters of marching band. Performance majors may substitute orchestra or wind ensemble for marching band if they hold a regular, permanent position with the orchestra or wind ensemble; string majors must play in the symphony every semester. Voice majors must participate in choir. Keyboard majors must enroll in Accompanying for four semesters and choir for four semesters.

Students are not limited to a specific number of ensembles, but music majors must enroll for a minimum of ten (10) non-ensemble credits each semester of full-time attendance.

Recital Attendance

Attendance at recitals and concerts is considered critical to the education of a musician. All music majors must submit evidence of recital attendance for seven semesters; records are maintained in the student’s advisement file in the department office.

Details regarding the requirements for each semester’s attendance can be found in the Student Handbook on the department Web page.

Advising

All music majors will be assigned an academic advisor upon entrance to the degree program. Students should consult the Music Major Program Guidesheets for specific course requirements required in the Bachelor of Music degree. All majors must be advised prior to registration each semester.

Music education majors should consult an academic advisor in the College of Education for specific certification requirements.

BACHELOR OF MUSIC CURRICULA

Music Core:

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 1410 Theory I</td>
<td>2</td>
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<tr>
<td>MUSC 1411 Aural Skills I</td>
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<td>MUSC 1420 Theory II</td>
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<td>MUSC 1421 Aural Skills II</td>
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<tr>
<td>MUSC 2410 Theory III</td>
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<td>MUSC 3570 Intro. to Conducting</td>
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<td>MUSC 4600 Orchestration &amp; Arranging</td>
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<td>Elective in Music</td>
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<tr>
<td>Must enroll in Group Piano or Applied Piano until piano proficiency examination is passed.</td>
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Total: 30

MUSIC EDUCATION CONCENTRATION

Instrumental Certification

General Education Core
(see General Education Section of this catalog) ................. 43*

Music Core ................................................. 30

Professional Education (see below) .................................. 37

Specialized Music ........................................... 36

Total for concentration ............................................. 146

*Two semesters of Marching Band fulfill the PE requirements.

Specialized Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 2600 String Methods</td>
<td>2</td>
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<tr>
<td>MUSC 2630 Woodwind Methods I</td>
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<td>MUSC 2631 Woodwind Methods II</td>
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<td>MUSC 2660 Brass Methods I</td>
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<td>MUSC 2661 Brass Methods II</td>
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<tr>
<td>MUSC 2690 Percussion Methods</td>
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<tr>
<td>MUSC 3590 Instrumental Conducting</td>
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<td>MUSC 4570 Marching Band Methods</td>
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<tr>
<td>MUSC 4580 Instrumental Music in Schools</td>
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<td>Applied Music</td>
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Ensemble ................................................. 11
### Vocal Certification

**General Education Core**
(see General Education Section of this catalog) .................................... 45

**Music Core** .................................................................................. 30

**Professional Education (see below)** ........................................... 37

**Specialized Music** ................................................................. 34

**Total for concentration** .......................................................... 146

### Specialized Music

- **MUSC 2620** Instrumental Survey ................................................. 2
- **MUSC 2710** Diction I ........................................................................ 1
- **MUSC 2720** Diction II ....................................................................... 1
- **MUSC 3560** Choral Conducting ..................................................... 2
- **MUSC 4510** Music in Elementary School ....................................... 3
- **MUSC 4520** Music in Secondary School .......................................... 3
- **MUSC 4601** Vocal Pedagogy ............................................................ 2
- **MUSC 4730** Choral Literature .......................................................... 3
- **MUSC 4740** Keyboard Literature & Pedagogy .................................. 3
- **Applied Music** ............................................................................... 14
- **Ensemble** .................................................................................... 7

### Vocal/Keyboard Certification

**General Education Core**
(see General Education Section of this catalog) .................................... 45

**Music Core** .................................................................................. 30

**Professional Education (see below)** ........................................... 37

**Specialized Music** ................................................................. 38

**Total for Concentration** .......................................................... 150

### Professional Education

- **EDFN 2100** Orientation to the Profession of Ed. ............................... 1
- **EDFN 2300** Foundations of Teaching .............................................. 3
- **EDFN 3301** Issues in Education ....................................................... 3
- **HDAL 2330** Adolescent Psychology ............................................... 3
- **HDAL 3310** Educational Psychology .............................................. 3
- **SPED 3320** Exceptional Learners in School & Communities .......... 3
- **MEDA 3570** Educational Technology ............................................. 3
- **READ 4437** Reading in Middle & Secondary School ....................... 3
- **CUAI 4580** Student Teaching .......................................................... 12
- **CUAI 4581** Seminar in Education ................................................... 3

### PERFORMANCE CONCENTRATION

**General Education Core**
(see General Education section of this catalog) .................................... 45*

**Music Core** .................................................................................. 30

**Specialized Courses** .................................................................... 45-51

**Total for Concentration** .......................................................... 120-126

### Instrumental Specialty

- **MUSC 3420** Modal Counterpoint OR
- **MUSC 3430** Tonal Counterpoint ................................................... 2
- **MUSC 4470** Composition OR .......................................................... 1
- **MUSC 4790** Music in America ........................................................ 2
- **MUSC 4750, 4760, or 4780**
  - Literature & Pedagogy in appropriate applied area ...................... 3
  - Applied Music .................................................................................. 16
  - Ensemble ......................................................................................... min. 8
  - Music electives ............................................................................... 2-6
  - Free electives .................................................................................. 12

### Voice Specialty

- **MUSC 2710** Diction I ........................................................................ 1
- **MUSC 2720** Diction II ....................................................................... 1
- **MUSC 3420** Modal Counterpoint OR
- **MUSC 3430** Tonal Counterpoint ................................................... 2
- **MUSC 4470** Composition OR .......................................................... 2
- **MUSC 4790** Music in America ........................................................ 2
- **MUSC 4601** Vocal Pedagogy ............................................................ 2
  - Applied Voice ................................................................................... 16
  - Ensemble ......................................................................................... 8
  - Music electives ............................................................................... 8
  - Free electives ............................................................................... 12

### Keyboard Specialty

- **MUSC 3420** Modal Counterpoint OR
- **MUSC 3430** Tonal Counterpoint ................................................... 2
- **MUSC 4470** Composition OR .......................................................... 2
- **MUSC 4790** Music in America ........................................................ 2
- **MUSC 4740** Keyboard Literature ................................................... 3
  - Applied Keyboard ........................................................................... 16
  - Ensemble ......................................................................................... 8
  - Music electives ............................................................................... 8
  - Free electives ............................................................................... 12

### Minor in Music

Does not meet teacher certification requirements.

- **MUSC 1030** Introduction to Music .................................................. 3
- **MUSC 1400** Music Fundamentals ................................................... 2
- **MUSC 1410** Theory I ........................................................................ 2
- **MUSC 1411** Aural Skills I ................................................................. 1
- **MUSC 1421** Aural Skills II ................................................................. 1
- **MUSC 2540** Music History History ................................................. 3
- **MUSC 3420** Modal Counterpoint OR
- **MUSC 3430** Tonal Counterpoint ................................................... 2
- **MUSC 4470** Composition OR .......................................................... 2
- **MUSC 4790** Music in America ........................................................ 2
- **MUSC 4740** Keyboard Literature ................................................... 3
  - Applied Music ................................................................................... 6
  - Ensemble ......................................................................................... 4
  - Electives** ...................................................................................... 4

**Total: ......................................................................................... 28**

*Minimum 6, must include at least one semester at Level II.

**Electives may be any music courses except ensembles.**

### SUGGESTED COURSE SEQUENCE FOR THE BACHELOR OF MUSIC, PERFORMANCE CONCENTRATION

#### Freshman - Fall Semester

- **CSCI 1100** Using Information Technology ........................................ 3
- **ENGL 1110** Critical Reading & Expository Writing ........................... 3
- **MUSC 1010** Group Piano II .............................................................. 1
- **MUSC 12 - Major Ensemble** ............................................................ 1-2
- **MUSC 1410** Theory I ....................................................................... 2
- **MUSC 1411** Aural Skills I ................................................................. 1
- **MUSC 18 - Applied Music** ............................................................... 2
- **MATH 1 ** (See General Education Requirements) .......................... 3
- **PEXS 1 - - -** (if not in marching band) ............................................. 1

**TOTAL ........................................................................................ 17-18**

#### Freshman - Spring Semester

- **ENGL 1120** Critical Thinking & Argumentation ................................ 3
- **Arts & Artistic Vision course** ............................................................ 3
- **MUSC 1020** Group Piano II .............................................................. 1
- **MUSC 12 - Major Ensemble** ............................................................ 1-2
- **MUSC 1420** Theory II ..................................................................... 2
- **MUSC 18 - Applied Music** ............................................................... 2
- **MUSC 1421** Aural Skills I ................................................................. 1
- **Science course** ............................................................................... 4

**TOTAL ........................................................................................ 17-18**

#### Sophomore - Fall Semester

- **Foreign Language elective** .............................................................. 3
- **MUSC 12 - Major Ensemble** ............................................................ 1-2
- **MUSC 18 - Applied Music** ............................................................... 2
- **MUSC 2010** Group Piano III ............................................................. 1
- **MUSC 2410** Theory III ................................................................. 2
- **MUSC 2411** Aural Skills III ............................................................. 1
- **MUSC 2540** Music History History ................................................. 3
- **MUSC 2710** Diction I (vocal only) ................................................... 1
- **PEXS 2 - - -** (if not in marching band) ............................................. 1

**TOTAL ........................................................................................ 15-17**
### Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MUSC 1020</td>
<td>The United States to 1877</td>
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<tr>
<td>MUSC 29</td>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 2020</td>
<td>Group Piano I</td>
<td>1</td>
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<tr>
<td>MUSC 2420</td>
<td>Theory IV</td>
<td>2</td>
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<tr>
<td>MUSC 2421</td>
<td>Aural Skills IV</td>
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<tr>
<td>MUSC 2550</td>
<td>Music History IV</td>
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<tr>
<td>MUSC 2720</td>
<td>Diction II (vocal only)</td>
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### Junior - Fall Semester

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<tbody>
<tr>
<td>MUSC 29</td>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 2540</td>
<td>Music History III</td>
<td>3</td>
</tr>
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<td>MUSC 3570</td>
<td>Introduction to Conducting</td>
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<tr>
<td>MUSC 3430</td>
<td>Tonal Counterpoint</td>
<td>2</td>
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### Junior - Spring Semester

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<tbody>
<tr>
<td>MUSC 29</td>
<td>Applied Music</td>
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</tr>
<tr>
<td>MUSC 39</td>
<td>- Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 4470</td>
<td>- Composition</td>
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### Senior - Fall Semester

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<tbody>
<tr>
<td>MUSC 32</td>
<td>Major Ensemble</td>
<td>1-2</td>
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<tr>
<td>MUSC 29</td>
<td>or MUSC 39 - Applied Music (half recital)</td>
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<td>MUSC 3550</td>
<td>Music History IV</td>
<td>3</td>
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<tr>
<td>MUSC 4600</td>
<td>Orchestration &amp; Arranging</td>
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### Senior - Spring Semester

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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>MUSC 32</td>
<td>Major Ensemble</td>
<td>1-2</td>
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<tr>
<td>MUSC 39</td>
<td>Applied Music</td>
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<td>MUSC 4570</td>
<td>Marching Band Methods</td>
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### SUGGESTED COURSE SEQUENCE FOR THE BACHELOR OF MUSIC, INSTRUMENTAL MUSIC EDUCATION CONCENTRATION

#### Freshman - Fall Semester

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<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
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<tr>
<td>ENGL 1110</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
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<td>MUSC 1010</td>
<td>Group Piano I</td>
<td>1</td>
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<tr>
<td>MUSC 12</td>
<td>Major Ensemble</td>
<td>1-2</td>
</tr>
<tr>
<td>MUSC 1410</td>
<td>Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 1411</td>
<td>Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 18</td>
<td>Applied Music</td>
<td>1-2</td>
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<tr>
<td>MATH 1-3</td>
<td>(See General Education Requirements)</td>
<td>3</td>
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<td>15-17</td>
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#### Freshman - Spring Semester

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<tr>
<td>ENGL 1120</td>
<td>Critical Thinking &amp; Argumentation/3</td>
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<td>MUSC 1020</td>
<td>Group Piano II</td>
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<td>MUSC 12</td>
<td>Major Ensemble</td>
<td>1-2</td>
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<td>MUSC 1420</td>
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<td>Aural Skills II</td>
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<td>MUSC 18</td>
<td>Applied Music</td>
<td>1-2</td>
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<tr>
<td>Science Course</td>
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#### Sophomore - Fall Semester

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<td>MUSC 18</td>
<td>Applied Music</td>
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<td>MUSC 2010</td>
<td>Group Piano III</td>
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<td>MUSC 2410</td>
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<td>MUSC 2540</td>
<td>Music History I</td>
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<td>Science Course</td>
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#### Sophomore - Spring Semester

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<tbody>
<tr>
<td>MUSC 12</td>
<td>Major Ensemble</td>
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<tr>
<td>MUSC 2010</td>
<td>Group Piano II (Voice only)</td>
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<td>MUSC 12</td>
<td>Major Ensemble</td>
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<tr>
<td>MUSC 1420</td>
<td>Theory II</td>
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<td>MUSC 1421</td>
<td>Aural Skills II</td>
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<td>MUSC 18</td>
<td>Applied Music</td>
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<tr>
<td>Science Course</td>
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### SUGGESTED COURSE SEQUENCE FOR THE BACHELOR OF MUSIC, VOCAL OR VOCAL/KEYBOARD MUSIC EDUCATION CONCENTRATION

#### Freshman - Fall Semester

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<tr>
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<td>ENGL 1110</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
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<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
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<td>MUSC 1010</td>
<td>Group Piano I</td>
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<td>MUSC 12</td>
<td>Major Ensemble</td>
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<tr>
<td>MUSC 1040</td>
<td>Class Voice (piano only)</td>
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<td>MUSC 12</td>
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<tr>
<td>MUSC 1410</td>
<td>Aural Skills I</td>
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</tr>
<tr>
<td>MATH 1-3</td>
<td>(See General Education Requirements)</td>
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#### 5th Year Senior - Fall Semester

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<td>Student Teaching</td>
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### East Tennessee State University

Philosophy is an attempt to reason clearly and critically about all areas of experience: science, religion, art, politics, and morality. Its purpose is to understand and evaluate our most basic beliefs and values, then to integrate them into a coherent view of ourselves and the world.

Philosophy is an appropriate preparation for vocations that require a broad liberal education and skills in clear, creative thinking. Such vocations include law, government service, writing, the ministry, medicine, and many types of positions in business. It is especially attractive when paired with another major which teaches technical or professional skills, for example, philosophy with mass communication. In addition to the General Education Requirements, philosophy majors must meet degree requirements in the College of Arts and Sciences. Philosophy majors may earn a B.A. or a B.S. Details of those degree requirements are found in the front of this College of Arts & Sciences section. A minor is required of all philosophy majors. Philosophy students should be aware that all upper-division philosophy courses (excluding those required for the major) are offered only once every other year!

Transfer Students – The department will approve a major program in philosophy only after nine hours have been completed at the university with at least a “C” average (for a minor, six hours must be completed). Courses in religion taken at another institution shall count toward a major or minor only if they directly parallel courses offered by this department.

Graduate Study – The department offers some graduate work in philosophy. Further information on graduate programs is contained in the Graduate Catalog.

**COURSE REQUIREMENTS FOR PHILOSOPHY MAJOR**

A minimum of 30 hours is required, including:

- PHIL 3010 History of Ancient Philosophy ........................................ 3
- PHIL 3030 History of Modern Philosophy ................................. 3
- PHIL 4017 Ethical Theory ............................................................. 3
- PHIL 4027 Contemporary Philosophy ........................................... 4
- Choice of: PHIL 3030 Practical Reasoning ................................ 3
- PHIL 3050 Symbolic Logic .............................................................. 3
- Plus 14 other hours .................................................................... 14
- TOTAL ..................................................................................... 30

Religious studies courses do not count toward the major in philosophy except for PHIL 3230, 4047, and PHIL 4220.

**PHILOSOPHY MAJOR**

**WITH EMPHASIS IN RELIGIOUS STUDIES**

A minimum of 30 hours is required, including:

- PHIL 3010 History of Ancient Philosophy ........................................ 3
- PHIL 3030 History of Modern Philosophy ................................. 3
- At least one course in western religions ......................................... 3
- At least one course in non-western religions ................................ 3
- PHIL 4017 Ethical Theory ............................................................. 3
- PHIL 4047 Philosophy of Religion .................................................. 3
- Plus 12 other hours .................................................................... 12
- TOTAL 30

The last 12 hours may include any courses in philosophy or in religious studies; they may also include the following specific courses from other departments.

- ENGL 3280 Mythology .................................................................. 3
- HIST 3910 History of Christianity .............................................. 3
- SOAA 3800 Religion, Society, and Culture .................................. 3
- HIST 3920 History of Islam ......................................................... 3

**PHILOSOPHY MINOR**

A minimum of 18 hours in philosophy (12 must be upper division). Religious studies courses do not count toward a minor in philosophy with the exception of 3230, 4047, and 4220. Students should plan their minor in consultation with an advisor from the Department of Philosophy and Humanities.

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**Department of Philosophy and Humanities (PHIL) (HUMT)**

P.O. Box 70656  Phone: 423/439-4425

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Division of Philosophy and Religious Studies

Philosophy is an attempt to reason clearly and critically about all areas of experience: science, religion, art, politics, and morality. Its purpose is to understand and evaluate our most basic beliefs and values, then to integrate them into a coherent view of ourselves and the world.

Philosophy is an appropriate preparation for vocations that require a broad liberal education and skills in clear, creative thinking. Such vocations include law, government service, writing, the ministry, medicine, and many types of positions in business. It is especially attractive when paired with another major which teaches technical or professional skills, for example, philosophy with mass communication. In addition to the General Education Requirements, philosophy majors must meet degree requirements in the College of Arts and Sciences. Philosophy majors may earn a B.A. or a B.S. Details of those degree requirements are found in the front of this College of Arts & Sciences section. A minor is required of all philosophy majors. Philosophy students should be aware that all upper-division philosophy courses (excluding those required for the major) are offered only once every other year!

Transfer Students – The department will approve a major program in philosophy only after nine hours have been completed at the university with at least a “C” average (for a minor, six hours must be completed). Courses in religion taken at another institution shall count toward a major or minor only if they directly parallel courses offered by this department.

Graduate Study – The department offers some graduate work in philosophy. Further information on graduate programs is contained in the Graduate Catalog.

**COURSE REQUIREMENTS FOR PHILOSOPHY MAJOR**

A minimum of 30 hours is required, including:

- PHIL 3010 History of Ancient Philosophy ........................................ 3
- PHIL 3030 History of Modern Philosophy ................................. 3
- PHIL 4017 Ethical Theory ............................................................. 3
- PHIL 4027 Contemporary Philosophy ........................................... 4
- Choice of: PHIL 3030 Practical Reasoning ................................ 3
- PHIL 3050 Symbolic Logic .............................................................. 3
- Plus 14 other hours .................................................................... 14
- TOTAL ..................................................................................... 30

Religious studies courses do not count toward the major in philosophy except for PHIL 3230, 4047, and PHIL 4220.

**PHILOSOPHY MAJOR**

**WITH EMPHASIS IN RELIGIOUS STUDIES**

A minimum of 30 hours is required, including:

- PHIL 3010 History of Ancient Philosophy ........................................ 3
- PHIL 3030 History of Modern Philosophy ................................. 3
- At least one course in western religions ......................................... 3
- At least one course in non-western religions ................................ 3
- PHIL 4017 Ethical Theory ............................................................. 3
- PHIL 4047 Philosophy of Religion .................................................. 3
- Plus 12 other hours .................................................................... 12
- TOTAL 30

The last 12 hours may include any courses in philosophy or in religious studies; they may also include the following specific courses from other departments.

- ENGL 3280 Mythology .................................................................. 3
- HIST 3910 History of Christianity .............................................. 3
- SOAA 3800 Religion, Society, and Culture .................................. 3
- HIST 3920 History of Islam ......................................................... 3

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**PHILOSOPHY MINOR**

A minimum of 18 hours in philosophy (12 must be upper division). Religious studies courses do not count toward a minor in philosophy with the exception of 3230, 4047, and 4220. Students should plan their minor in consultation with an advisor from the Department of Philosophy and Humanities.
HUMANITIES MINOR

Humanities seeks to provide a base for students to construct a better understanding of the spirit and meaning of their civilization. It draws fully on other departments within the university and attempts to show the interdependence of the various disciplines. By the consideration of the vast storehouse of historical, philosophical, religious, and artistic expressions, students are better able to understand and cope with the many issues that beset humankind, and they are better able to find meaning for themselves as individuals. It is designed for the student desiring a firm background in the humanistic disciplines, and it should be of special interest to students planning to enter such professions as the ministry, law, or college teaching.

A minimum of 24 hours is required including:

HUMT 2310 Intro to the Study of Humanities I .......................... 3
HUMT 2320 Intro to the Study of Humanities II ......................... 3
HUMT 4950 Senior Seminar .................................................. 3

Twelve hours must be upper division (3000 level or above).

The specific courses for this program must be approved by the humanities advisor, including courses in the following disciplines:

- History
- English (literature courses)
- Art History
- Introduction to Music or Music History
- Philosophy and Humanities

No courses counting toward the student's major field or Service-Learning or General Education Core courses may be counted toward satisfying the humanities minor.

PHYSICS MINOR

A minimum of 21 hours is required, including:

PHIL 2210 Intro to the Study of Religion ................................... 3
At least one course in western religions .................................... 3
At least one course in non-western religions ............................... 3
PHIL 4047 Philosophy of Religion ........................................... 3

Other courses in philosophy do not count toward a minor in religious studies without approval of the department. The following courses from other departments or other previously approved courses may be included:

- ENGL 3280 Mythology ......................................................... 3
- HIST 3910 History of Christianity ......................................... 3
- HIST 3920 History of Islam .................................................. 3
- SOAA 3800 Religion, Society, and Culture .............................. 3

It is possible to major in philosophy and minor in religious studies.

PHYSICS MAJOR

A major in physics at the bachelor's level requires a minimum of 34 semester hours of study in physics. These shall include the following courses.

Course Requirements:

PHYS 2110-20 Technical Physics- Calc. based ............................ 10
PHYS 3010 Mechanics ......................................................... 4
PHYS 3710 Electricity and Magnetism .................................... 4

At least one of the advanced courses:

PHYS 4117, 4617, 4717 ......................................................... 4

Physics electives chosen from:

- PHYS 3110, 3210, 3310, 3510, 3610,
  4117, 4617, 4717, 4850, 4860, and 4900 .............................. 12

Total (Minimum) .............................................................. 34

Students are also strongly encouraged to take mathematics at least through ordinary differential equations, and such additional elective courses in physics, mathematics, and chemistry as their curriculum will permit.

All major programs in physics must be approved by the chair of the department.

To complete university graduation requirements, students must complete a minor in another subject area.

The Department of Physics and Astronomy offers a major in physics with the B.S. degree. The physics major must satisfy the General Education Core Requirements and B.S. requirements at the beginning of the College of Arts and Sciences section of this catalog.

Minor – A minor in physics at the bachelor's level requires a minimum of 20 semester hours of study in physics, distributed as follows:

Course Requirements:

PHYS 2110-20 Technical Physics- Calc. based I, II .................... 10
PHYS Electives chosen from:

- PHYS 3010, 3110, 3210, 3310, 3510, 3610, 3710,
  4117, 4617, 4717, 4850, 4860, 4900 .............................. 10

Total (Minimum) .............................................................. 20

Transfer Students – Transfer students majoring in physics should contact the chair of the department for advising as soon as possible. This will ensure that the student's previous work will be coordinated efficiently with ETSU requirements.

Teacher Education – Students interested in pursuing a teacher education program for certification as a physics teacher in grades 7-12 are asked to see the department chair in the Department of Physics and Astronomy AND the professional advisor in the Office of Student Services, 321 Warf-Pickel, College of Education.

Pre-Teacher Education – Declaration of Intent – All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Student Services, 321 Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.

Professional Education Requirements – There is a total of 44 credit hours required for Professional Education. Please refer to the Professional Education Requirement section in the Department of Education in this catalog for a list of the required courses.
Political Science is the study of government, politics, and public affairs in the United States and other countries, and of the relations among nations and states in the world community. The Political Science curriculum is designed to provide students with factual knowledge of these subjects and with the ability to critically analyze and evaluate competing ideologies, governmental systems, political practices, and policy proposals. The study of Political Science prepares students to be informed and engaged citizens as well as to pursue careers in law, public affairs and many other fields.

**Major** – Students majoring in Political Science must complete requirements for the General Education Program, both the core curriculum requirements and the requirements reinforcing academic proficiencies (see General Education Program section of this catalog). Students must also complete the degree requirements of the College of Arts and Sciences, either for the Bachelor of Arts (B.A.), or the Bachelor of Science (B.S.), or the Bachelor of Science with a social and behavioral sciences concentration (B.S.). (See college of Arts and Sciences degree requirements in this catalog.)

The Political Science major itself requires the completion of 36 semester credit hours:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 1110</td>
<td>Political Life</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 1120</td>
<td>Intro. to American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2210</td>
<td>Intro. to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>OR PSCI 2220</td>
<td>Intro. to World Politics</td>
<td>3</td>
</tr>
<tr>
<td>OR CJCR 3444</td>
<td>Microcomputers as a Research Tool</td>
<td></td>
</tr>
<tr>
<td>OR PSYC 3444</td>
<td>Computer Methods in Psychology</td>
<td></td>
</tr>
<tr>
<td>OR SOAA 3444</td>
<td>Microcomputers as a Research Tool</td>
<td>3</td>
</tr>
</tbody>
</table>

One course at or above the 3000 level in each of the five sub-fields:

<table>
<thead>
<tr>
<th>Sub-field</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Politics (AP)</td>
<td>PSCI 1110</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Politics (CP)</td>
<td>PSCI 1120</td>
<td>3</td>
</tr>
<tr>
<td>International Relations (IR)</td>
<td>PSCI 2210</td>
<td>3</td>
</tr>
<tr>
<td>Political Theory (PT)</td>
<td>PSCI 2220</td>
<td>3</td>
</tr>
<tr>
<td>Public Law (PL)</td>
<td>PSCI 2220</td>
<td>3</td>
</tr>
</tbody>
</table>

Three courses to be selected freely from the Department’s offerings 9 credits

Total 36 credits

**Minor** – A minor in political science consists of 24 semester credit hours:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 1110</td>
<td>Political Life</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 1120</td>
<td>Intro. to American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2210</td>
<td>Intro. to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>OR PSCI 2220</td>
<td>Intro. to World Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

One course at or above the 3000 level in any two of five sub-fields 6 credits

Three courses to be selected freely from the Department’s offerings 9 credits

Total 24 credits

**Legal Studies Minor** - The Legal Studies Minor is a 21-semester-hour interdisciplinary program which includes courses from the departments of Political Science, Criminal Justice & Criminology, Communications, Management and Marketing, and Environmental Health. The program is designed for students who are interested in the legal system and the application of the law in specific areas, and it will complement a broad range of majors.

**Required courses** (12 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3200</td>
<td>Law and Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3230</td>
<td>American Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>CJCR 2540</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>OR ENVH 4000</td>
<td>Public Health Law</td>
<td>3</td>
</tr>
</tbody>
</table>

Guided electives (9 semester hours)

Select any three courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 3205</td>
<td>Constitution and Civil Liberties</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3210</td>
<td>Due Process and Adjudication</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 3220</td>
<td>The Supreme Court</td>
<td>3</td>
</tr>
<tr>
<td>CJCR 3650</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 4000</td>
<td>Public Health Law</td>
<td>3</td>
</tr>
<tr>
<td>MCOM 4037</td>
<td>Communication Law</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3310</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3333</td>
<td>Law of Commercial Transactions</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4600</td>
<td>Personnel Law</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4957</td>
<td>Special Topics in Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

*Prerequisite for MGMT 3330, 3333 and 4600

For advisement, see Dr. Sam W. McKinstry, Department of Political Science, 301-A Rogers-Stout Hall, 423-439-6632, e-mail: mckinstry@etsu.edu.

**Transfer Students** - Transfer students must meet the specific requirements for the major or minor and must complete at least nine credit hours and maintain a minimum grade point average of 2.0 in their courses in Political Science (see section of this catalog on transfer students for other requirements).

**Teacher Education** - Students interested in pursuing a teacher education program for certification as a government teacher in grades 7-12 are asked to see an advisor in the Department of Political Science and the professional advisor in the College of Education in 321 Warf-Pickel Hall.

**Pre-Teacher Education** - Declaration of Intent-All students desiring to complete a teacher education program or other public school licensure program must file a Declaration of Intent in 321 Warf-Pickel Hall. For filing deadlines and other information, see the professional advisor in 321 Warf-Pickel.

**Professional Education Requirements** - There is a total of 44 credit hours required for Professional Education. Please see the Professional Education Requirement section in this catalog.

**Suggested Course Sequence for Political Science Majors***

**Freshman - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 1110</td>
<td>Political Life</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1016</td>
<td>The United States to 1877</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total** 16 credits
Students majoring in psychology must complete requirements for the General Basic and Applied Psychology courses in support of the nonbehavioral objectives of psychology. These objectives are achieved largely through the two options for the Bachelor of Science degree. It is highly recommended that students contact the area psychology advisor in the College of Arts and Sciences for certification as a psychology teacher in grades 7-12.

Further information on graduate programs is provided in the Graduate Sciences section of this catalog.

The objectives of the various programs of the Department of Psychology are to acquaint students with the subject matter and profession of psychology. These objectives are achieved largely through the department's undergraduate and graduate degree programs and partly through the department's student organizations. The purpose of the undergraduate program is to provide academic experiences in psychology for students planning careers in psychology; the department also provides basic and applied psychology courses in support of the nonbehavioral disciplines and the other behavioral disciplines. The master's degree program in psychology prepares students for employment in psychology and for doctoral study in psychology. In addition to the requirements listed, a student majoring in psychology must complete requirements for the General Education Core and the requirements for the B.A., B.S., or the B.S. in the social and behavioral sciences at the beginning of College of Arts and Sciences section of this catalog.

### Major Course Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1310</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2311, 2312</td>
<td>Advanced General Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2810</td>
<td>Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3010</td>
<td>Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3030, 3031</td>
<td>Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 4010</td>
<td>History &amp; Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 4100</td>
<td>Intro. to the Study of Personality</td>
<td>3</td>
</tr>
<tr>
<td>Psychology Electives</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**Total for Major**: 29

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1110, 1111</td>
<td>Biology for Science Majors I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1120, 1121</td>
<td>Biology for Science Majors II or</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1130, 1131</td>
<td>Biology for Science Majors III</td>
<td>4</td>
</tr>
</tbody>
</table>

**MINOR COURSE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1310</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>PSYC 2311, 2312</td>
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<td>PSYC 2810</td>
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<td>Intro. to the Study of Personality</td>
<td>3</td>
</tr>
<tr>
<td>Psychology Electives</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**Total for Minor**: 19

Major — Twenty-nine semester hours in psychology, plus General Biology I and II or III (8 hours) are required. No grade below a “C” will be accepted in psychology major courses. Psychology majors are required to complete a minor in another discipline.

Minor — Nineteen semester hours in psychology are required. No grade below “C” will be accepted in minor courses.

Advising — Academic and professional advising is recommended for all psychology majors. Students are encouraged to read the catalog to determine requirements for the degree they are seeking. Students are responsible for knowing the program requirements.

Teacher Education — Students interested in pursuing a teacher education program for certification as a psychology teacher in grades 7-12 are asked to contact the area psychology advisor in the College of Arts and Sciences AND the professional advisor in the Office of Student Services, 321 Warf-Pickel, College of Education.

Pre-Teacher Education — Declaration of Intent — All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Student Services, 321 Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.

Professional Education Requirements — There is a total of 44 credit hours required for Professional Education. Please refer to the Professional Education Requirement section in the Department of Education in this catalog for a list of the required courses.

Graduate Study — The Department of Psychology offers a master of arts degree in psychology, with options in general and clinical psychology. Further information on graduate programs is provided in the Graduate Catalog.
The program builds upon a liberal arts base and encompasses an interdisciplinary perspective, drawing from such fields as psychology, sociology, political science, and human biology.

The program’s overall mission is to prepare students for entry-level generalist practice in a culturally diverse society and to instill in those students a lifelong commitment to addressing social problems and to challenging all forms of oppression and injustice. The total program functions to provide leadership and instruction that will ensure preparation of a continuous pool of social work graduates who are able to assume professional positions in a variety of social welfare settings, particularly in Northeastern Tennessee and the southern Appalachian region. The mission of ETSU’s B.S.W. Program supports the philosophy of social work and its major aim to restore, maintain, enhance, and promote the social functioning of individuals, families, groups, organizations, and communities by helping them to accomplish life tasks, to prevent and alleviate distress, and to utilize resources.

The faculty believes that the philosophy of social work must be demonstrated as it is taught and, as such, must be incorporated into not only faculty-student relationships but also relationships between the program and the social work practice community. The social work faculty believes that social workers should function in accordance with the profession's purpose and with adherence to the profession's ethical canon and therefore programmatically emphasizes acceptance of difference between and among individuals, as well as within and among groups and other larger systems.

The Baccalaureate Social Work Program's mission is reflected and implemented in the seven broad goals of the program.

1. To build upon students' liberal arts foundation by facilitating their knowledge and understanding of the development, implementation, and growth of social welfare and social work practice.
2. To prepare students as beginning generalist social work practitioners who possess the knowledge, values, and skills necessary for carrying out effective change efforts, in various social contexts, helping individuals, families, groups, organizations, and communities to enhance or restore their capacity for social functioning.
3. To prepare students to take an active role, personally and professionally, in addressing social problems and advocating for social, economic, and environmental justice for client systems of various sizes and types.
4. To prepare students to serve social welfare needs, particularly those of Northeastern Tennessee and the Southern Appalachian region, in a culturally competent manner.
5. To provide a sound educational foundation that instills in students the need for continued professional development, which may include graduate-level education in social work or in other allied programs of study.
6. To provide an educational environment that nurtures learning, stimulates self-reflection, encourages open dialogue, and is characterized by honesty, integrity, trust and respect.
7. To provide selective courses and extra-curricular events to non-social work students and members of the local community who want to increase their understanding of social problems and the professional social work response to them.

B.S.W. Program Objectives

As a result of the B.S.W. experience, graduates should be able to:

1. Apply critical thinking skills within the context of professional social work practice.
2. Practice within the values and ethics of the social work profession and with an understanding of and respect for the positive value of diversity.
3. Demonstrate professional use of self.
4. Understand the forms and mechanisms of oppression and discrimination and the strategies of change that advance social and economic justice.
5. Understand the history of the social work profession and its current structures and issues.
6. Apply the knowledge and skills of generalist social work to practice...
with systems of all sizes.
7. Apply knowledge of bio-pyscho-social variables that affect individual development and behavior, and use theoretical frameworks to understand the interactions among individuals and between individuals and social systems (i.e., families, groups, organizations, and communities).
8. Analyze the impact of social policies on client systems, workers, and agencies.
9. Evaluate research studies and apply findings to practice, and, under supervision, to evaluate their own practice interventions and those of other relevant systems.
10. Draw on practice knowledge and skills to interact effectively with clients, colleagues, and individuals in other practice contexts who have differing social, cultural, racial, religious, spiritual, sexual orientation, and class backgrounds.
11. Use supervision appropriate to generalist practice.
12. Function within the structure of organizations and service delivery systems, and under supervision, seek necessary organizational change.
13. Function effectively as generalist practitioners, particularly in the culturally diverse area of Northeastern Tennessee and the Southern Appalachian region.
14. Use a variety of learning strategies to promote lifelong learning and ongoing professional development.
15. Identify how personal values can impact service delivery and reconcile value conflicts that will prevent effective service provision.

Social work majors must take 41-44 credit hours to fulfill the General Education Core Requirements, 48 credit hours of social work courses, 6 credit hours of cognates, and the remainder of credit hours in academic proficiencies and electives, for a total of 128 credit hours required for graduation. Social work majors must complete 12 credit hours in social and behavioral sciences. Six credit hours in the social and behavioral sciences, Sociology 1020 and Psychology 1310, are taken as part of the General Education Core Requirements. The remaining six hours are required cognates, Political Science 1120 and HDAL 2310. As part of the General Education Core Requirements, social work majors must complete 8 credit hours in the sciences, with 4 of those credits in human biology chosen from the following list: Biology 1010-1011, 1110-1111, or Health Sciences 2010-2011. The remaining 4 credit hours of science can be fulfilled by any of the other core science courses. Math 1530 is required to fulfill the General Education Core Requirement in math.

All social work majors are required to complete the curriculum outlined below. All students who enroll in social work courses must comply with course prerequisites. Academic credit for life experience and previous work experience shall not be given in whole or in part, in lieu of the field practicum or any other required social work course.

Major – Forty-eight credit hours in social work plus Political Science 1120 and HDAL 2310. A grade of “C-” or below will not be accepted in the required courses offered by the program, and in English composition. A minor is not required for social work majors.

### REQUIREMENTS FOR ALL SOCIAL WORK MAJORS

- **SOWK 1010** Introduction to Social Work .......................... 3
- **SOWK 2400** Rural and Appalachian Culture ...................... 3
- **SOWK 2500** Interviewing and Recording Skills .................. 3
- **SOWK 3000** Human Behavior/Social Environment I ............... 3
- **SOWK 3010** Human Behavior/Social Environment II ............ 3
- **SOWK 3330** Cultural Diversity in SW Practice .................... 3
- **SOWK 3430** Social Welfare Policy and Services .................. 3
- **SOWK 4210** Social Work Research .................................... 3
- **SOWK 4310** Social Work Practice I .................................. 4
- **SOWK 4320** Social Work Practice II .................................. 4
- **SOWK 4453** Social Work Field Experience ......................... 16

### REQUIREMENTS FOR ALL SOCIAL WORK MINORS

- **SOWK 1010** Introduction to Social Work .......................... 3
- **SOWK 2500** Interviewing and Recording Skills .................. 3

The remaining 12 hours may be selected from the following courses:
- **SOWK 2400** Rural and Appalachian Social Culture ................ 3
- **SOWK 3000** Human Behavior/Social Environment I ............... 3
- **SOWK 3010** Human Behavior/Social Environment II ............ 3
- **SOWK 3430** Social Welfare Policy and Services .................. 3
- **SOWK 3462** Social Services for Children ............................ 3
- **SOWK 4367** Seminar in Drug/Alcohol Abuse ...................... 3
- **SOWK 4517** Crisis Intervention ........................................ 3
- **SOWK 4567** Human Sexuality ........................................... 3
- **SOWK 4957** Special Topics in Social Work ......................... 3-6

**Total Hours Required For Minor** ........................................ 34

(See prerequisites under course listing.)

A grade of “C-” or below will not be accepted for the minor and no more than nine hours will be accepted as transfer credit.

### SOCIAL WORK MAJORS

#### Course Sequencing and Suggested Schedule

**Freshman - Fall Semester**

- **SOWK 1010** Introduction to Social Work .......................... 3
- **SOWK 2400** Rural and Appalachian Social Culture ................ 3
- **SOWK 3000** Human Behavior/Social Environment I ............... 3
- **SOWK 4310** Social Work Practice I .................................. 4
- **SOWK 4320** Social Work Practice II .................................. 4
- **SOWK 4453** Social Work Field Experience ......................... 16

**TOTAL** ................................................................................. 16
### Freshman - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking/Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>PHED</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>PYSC 1310</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1150</td>
<td>Using Information Technology or challenge exam</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 2500</td>
<td>Interviewing &amp; Recording Skills</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

### Sophomore - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>Arts or Ethics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2310</td>
<td>Development Life Span Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 3330</td>
<td>Cultural Diversity in Social Work Practice</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

### Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2020</td>
<td>The United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>Arts or Ethics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>(additional four credits)</td>
<td>4</td>
</tr>
<tr>
<td>SOWK 3430</td>
<td>Social Welfare Policy &amp; Services</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

### Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 3000</td>
<td>Human Behavior I</td>
<td>3</td>
</tr>
<tr>
<td>Oral Intensive</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Writing Intensive</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>15</td>
</tr>
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</table>

### Junior - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 3010</td>
<td>Human Behavior II</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 4310</td>
<td>Social Work Practice I</td>
<td>4</td>
</tr>
<tr>
<td>SOWK 4210</td>
<td>Social Work Research</td>
<td>3</td>
</tr>
<tr>
<td>Writing Intensive</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>3-6</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
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### Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 4320</td>
<td>Social Work Practice II</td>
<td>4</td>
</tr>
<tr>
<td>SOWK 4210</td>
<td>Social Work Research (if not taken previously)</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>9-12</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>16-19</td>
</tr>
</tbody>
</table>

### Senior - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 4453</td>
<td>Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

## TRANSFER STUDENTS

### Course Sequencing and Suggested Schedule

The plan below for entry to ETSU assumes that SOWK 1010 (Intro), Psych 1310 (Intro), and one human biology course (BIOL 1010/11, 1020/21, 1110/11, or HSCI 2010/11) have been taken prior to ETSU matriculation. Other courses on the ETSU social work degree plan that have not been taken at another institution can be used to fill in each semester's schedule. Requests to receive credit for transfer courses in social work must be submitted to the B.S.W. Program Director who, along with other faculty, will determine course equivalency using submitted documentation such as copies of the catalog course description, course syllabus, and the name of the course text.

### First Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 2400</td>
<td>Rural and Appalachian Culture</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 2500</td>
<td>Interviewing &amp; Recording Skills</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 3000</td>
<td>Human Behavior I</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2310</td>
<td>Developmental Life Span Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 1120</td>
<td>Introduction to American Government</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

### Second Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1530</td>
<td>Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 3010</td>
<td>Human Behavior II</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 3330</td>
<td>Cultural Diversity in Social Work Practice</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 3430</td>
<td>Social Welfare Policy &amp; Services</td>
<td>3</td>
</tr>
<tr>
<td>SOWK 4310</td>
<td>Social Work Practice I</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

### Admission

**Requirements for admission to the social work major are as follows:**
1. completion of Introduction to Social Work 1010 and six additional hours in required social work courses,
2. a minimum overall grade point average of 2.25 and a 2.5 average in required social work courses completed,
3. identified potential and suitability for the social work profession,
4. completion of 40 clock hours as a volunteer in one or more social service agencies, and
5. removal of a grade of C- or below in required social work courses prior to admission.
(see Program’s Academic Performance Review Policy and Code of Conduct.)

Only students approved as majors are eligible to take Social Work Practice I and II. Transfer students, as well as ETSU students who declare social work as their major, must arrange an interview with their faculty advisor during their first semester in social work.

### Continuation and Termination

Continuation in the program requires compliance with admission requirements and suitability standards, as outlined in the program’s Academic Performance Review Policy and Code of Conduct. (See Student Handbook.)

### Nondiscrimination

Every aspect of the Social Work program’s organization and implementation is conducted without discrimination on the basis of race, color, gender, age, creed, ethnic or national origin, disability, or political or sexual orientation.

### Advising

Advising, both academic and professional, is essential in social work education. Therefore, advising of all social work majors is required throughout their period of study.

Each student will be assigned a faculty advisor at the time the student declares social work as a major. When appropriate, the student may select a different advisor.

### Field Instruction

Social Work Field Experience 4453 must be taken during the student’s senior year after completion of all required major courses and General Education Core courses. Only summer graduates are permitted to take field experience during the summer term.

A 2.25 overall grade point average and a 2.5 grade point average in required social work courses are prerequisites to field experience. Also, only students whose written application to major in social work has been approved are eligible for the field experience.

Students are assigned full time to an agency, where they provide services to consumers under the supervision of a social work field instructor. A list of field instruction agencies is available in the Department.

### School Social Work Licensure

Licensure by the Tennessee Department of Education is available to social work majors who successfully complete the requirements for a B. S.W. degree plus the following four courses:

- **SPED 2300** Exceptional Learners in Schools & Comm.
- **EDFN 3301** Issues in Education
- **ELPA 6620** Law For Educational Leaders
- **SOWK 4467** Seminar in School Social Work

Information about licensure exams is available from the Certification Analyst in the College of Education.
Sociology is the study of people interacting with others at the individual level, in groups, and in social systems. Anthropology is the study of human diversity via biological and cultural evolution. An understanding of people, culture, and society will prepare the graduate for useful employment in many occupations and professions, as well as further study at the graduate level. A major or minor can be earned in sociology and a minor in anthropology is available. For other students, courses in sociology and anthropology are excellent electives in any degree program. In addition to specific department requirements listed below, students majoring in sociology must complete requirements for the general education core as well as requirements specific to the College of Arts and Sciences degrees of B.A., B.S., or B.S./s.s. (social and behavioral sciences concentration).

**Major** – A student majoring in sociology must complete 30 semester hours of approved courses. In addition to maintaining an overall grade point average of at least 2.0 in the major, a student must earn a grade of “C” or above in each required course in the major.

**Course Requirements:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOAA 1020</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 2020</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3210</td>
<td>Sociological Research</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3350</td>
<td>Social Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4027</td>
<td>Advanced Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4807</td>
<td>Modern Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOAA Electives*</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>TOTAL:</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

*Elective courses are to be chosen by the student in counsel with his/her department advisor.

**General Education**...........................................**44-47 Credits**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH - - - - (See specific B.A., B.S., and B.S./s.s. requirements)</td>
<td>3-6</td>
<td></td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>ENGL - - - - One English course listed under the Heritage Section</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one course from Arts and the Artistic Vision</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one course from Identity, Ethics and Social Responsibility</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select two courses from Institutions and Society</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Select one unduplicated course from the Humanities elective section</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Intensive Courses** - Students who enter ETSU as freshmen or with less than 60 transfer hours must take: two oral communication-intensive courses, of which one must be in the major, one using information technology-intensive course in the major, four writing-intensive courses, at least two of which must be in the major and at least two must be at the 3000-4000 level. Students must meet proficiency-intensive requirements through courses taken at ETSU.

**Physical Education**...........................................**2**

Two courses, one being from the fitness activity category and one from the lifetime activities category.

**B.A. Requirements**...........................................**9**

Two courses of a single language at or above the 2000 level
One course of non-U.S. History
(Select MATH 1530 to satisfy core requirement)

**B.S. Requirements**...........................................**8**

8 credit hours of single laboratory science in addition to General Education Core.
(Select MATH 1850 or MATH 1910, including experience in the differential and integral calculus.)

**B.S. (Social and Behavioral Sciences) Requirements**...........................................**12**

MATH 1530 Probability & Statistics - Noncalculus
8 credit hours of single laboratory science
3 credit hours from each of the following areas:

1. Social Statistics
2. Reasoning and Argumentation
3. Research Design for Social Science
4. Microcomputer Skills

**MINOR** .........................................................**18-26 Credits**

**Electives** .....................................................**10-26 Credits**

**Total Credit Hours Required for Degree** ...........................................**128**

**Minor** – A minor consists of 18 semester hours of study in sociology. Students must earn at least a “C” in each required course in the minor and achieve an overall grade point average of 2.0 in courses counted for the minor.

**Course Requirements** –

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOAA 1020</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 2020</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3210</td>
<td>Sociological Research</td>
<td>3</td>
</tr>
<tr>
<td>SOAA Electives*</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>TOTAL:</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

**Anthropology Minor** – The anthropology minor provides students a fundamental understanding of anthropological perspectives on cultural diversity, human biological and cultural evolution, and the dynamic relationship between biology and culture.

A minor in anthropology requires the completion of 18 hours. Students must earn at least a grade of “C” in each required course in the minor and achieve an overall grade point average of 2.0 in courses counted for the minor.

**Course Requirements** -

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOAA 1240</td>
<td>Intro. to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 1280</td>
<td>Intro. to Physical Anthropology and Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>SOAA Electives*</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>TOTAL:</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

*The electives, which are listed below, should be chosen in consultation with an anthropology advisor. Students are strongly advised to complete both SOAA 1240 and SOAA 1280 before enrolling in elective courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOAA 2040</td>
<td>Folk Culture in the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 2150</td>
<td>American Folk Music</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3070</td>
<td>Medical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3500</td>
<td>Appalachian Folk Medicine</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3700</td>
<td>Peoples and Cultures of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 3800</td>
<td>Religion, Society, and Culture</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4627</td>
<td>Ethnographic Fieldwork Techniques</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 4957</td>
<td>Special Topics in Sociology and Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

**NOTE:** Students majoring in sociology who elect to minor in anthropology cannot apply credit hours acquired for the anthropology minor for the sociology major and vice versa.
Transfer Students - Transfer students must meet the specific requirements for the sociology major and minor, or the anthropology minor. There is no predetermined maximum number of credit hours that a transfer student may apply to the sociology or anthropology curriculums. That will be decided by the chairperson of the department.

Teacher Education – Students interested in pursuing a teacher education program for certification as a sociology teacher in grades 7-12 are asked to speak both with an advisor in the Department of Sociology and Anthropology AND the professional advisor in the Office of Student Services, 321 Warf-Pickel, College of Education.

Pre-Teacher Education – Declaration of Intent – All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Student Services, 321 Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.

Professional Education Requirements – There is a total of 44 credit hours required for Professional Education. Please refer to the Professional Education Requirement section in the Department of Education in this catalog for a list of the required courses.

Graduate Study – The Department of Sociology and Anthropology offers graduate programs leading to a master of arts degree. Further information on graduate programs is contained in the Graduate Catalog.

SUGGESTED COURSE SEQUENCE FOR ALL MAJORS IN SOCIOLOGY

Freshman Fall - Semester

SOAA 1020 Introduction to Sociology ................................................................. 3
ENGL 1110 Critical Reading/Expository Writing ............................................... 3
HIST 2010 The United States to 1877 .............................................................. 3
Natural Science ................................................................................................. 4
CSCI 1100 Using Information Technology ...................................................... 3
Physical Education ......................................................................................... 1
TOTAL .................................................................................................................. 17

Freshman - Spring Semester

SOAA 2020 Social Problems ............................................................................. 3
ENGL 1120 Critical Thinking/Argumentation .................................................. 3
HIST 2020 The United States since 1877 ......................................................... 3
Natural Science ................................................................................................. 4
MATH 1530 Probability and Statistics .............................................................. 3
Physical Education ......................................................................................... 1
TOTAL .................................................................................................................. 17

Sophomore - Fall Semester

Sociology elective ............................................................................................. 3
Heritage Literature ............................................................................................ 3
Institutions and Society ................................................................................... 3
Identity, Ethics and Social Responsibility ....................................................... 3
Minor requirement ........................................................................................... 3
TOTAL .................................................................................................................. 15

Sophomore - Spring Semester

Sociology elective ............................................................................................. 3
Arts & the Artistic Vision ................................................................................. 3
Humanities option ............................................................................................ 3
Minor ................................................................................................................ 3
Minor elective .................................................................................................. 3
TOTAL .................................................................................................................. 15

Junior - Fall Semester

SOAA 3210 Sociological Research ................................................................. 3
Sociology elective ............................................................................................. 3
Minor requirement or elective ...................................................................... 3
PHIL 2030 or SPCH 2320 .............................................................................. 3
Free elective ...................................................................................................... 3
TOTAL .................................................................................................................. 15

Junior - Spring Semester

SOAA 3550 Social Statistics ........................................................................... 3
SOAA 3444 Microcomputers as a Research Tool ........................................... 3
Minor requirement or elective ...................................................................... 3
Free elective ...................................................................................................... 3
Free elective ...................................................................................................... 3
TOTAL .................................................................................................................. 15

Senior - Fall Semester

SOAA 4027 Advanced Principles of Sociology ................................................ 3
SOAA 4807 Modern Social Theory .................................................................. 3
Minor requirement or elective ...................................................................... 3
Other electives ............................................................................................... 8
TOTAL .................................................................................................................. 17

Senior - Spring Semester

Sociology elective ............................................................................................. 3
Sociology or minor elective ............................................................................. 3
Free elective ...................................................................................................... 3
Other electives ............................................................................................... 8
TOTAL .................................................................................................................. 17

Women’s Studies Minor

P.O. Box 70667 Phone: 423/439-7571

The major purpose of the women's studies minor is to provide students with an interdisciplinary education about history, society, culture, politics, economics, and legal issues as related to women. The goals of this endeavor are to create an increased awareness of gender issues, foster individual development and decision-making, and encourage effective participation in our complex social world. Courses are designed to assist the students in developing philosophical and historical perspectives on gender; appreciating the contribution of women to the arts, sciences, and humanities; and making informed choices as individuals and professionals.

Students who minor in Women's Studies can use their knowledge about women's issues to work as advocates for women in social service and activist organizations. In addition, the minor complements careers related to criminal justice, politics, health care, teaching, the media, social work, and communication, and a variety of other areas. The minor can also help prepare students for the Women's Studies option in the interdisciplinary Master of Arts in Liberal Studies degree program. Regardless of career choice, the Women's Studies minor prepares students to serve as a progressive voice for change and equality in our society.

The minor in Women’s Studies requires the completion of 18 hours of coursework chosen from among the following courses:

Course Requirements:

WMST 2010 Introduction to Women’s Studies ........................................ 3
Senior Seminar ............................................................................................... 3
(Select from approved upper-division electives)
Approved Electives ...................................................................................... 12
Total .................................................................................................................. 18

Approved Electives

CJCR 4670 Race, Gender, and Crime .......................................................... 3
CJCR 4957 Special Topics: Violence Toward Women ................................ 3
ENGL 3500 Women Authors ....................................................................... 3
ENGL 4087 Themes in Women’s Literature ................................................. 3
ENGL 4290 Film Genres: Women in Film .................................................... 3
FCNU 4500 Women’s Health Issues ............................................................ 3
HIST 4237 Women in the Ancient World ................................................... 3
HIST 4247 History of Women in U.S., Settlement to 1945 ...... 3
HIST 4837 American Women Since World War II .................................... 3
PHIL 3110 Philosophy of Feminism ............................................................ 3
SOAA 3030 Gender and Society ................................................................. 3
SOWK 3000 Human Behavior in the Social Envir. ................................. 3
SPCH 4957 Special Topics: Gender and Communication .................. 3

*With approval of the Women's Studies Committee, additional special topics courses may be counted in the minor. Students must meet any departmental prerequisites, or obtain the instructor's permission.
The mission of the College of Business is to provide high-quality educational experiences to equip students, other individuals and organizations, primarily within the Southern Appalachian region, with the abilities and technological skills necessary to succeed in business, government and related professions increasingly engaged in global activities; and to provide leadership in supporting regional, national, and international constituencies by collaborating for the progressive development of business, government, health care systems and the professions.

To achieve this mission, undergraduate students receive an understanding of (1) the economic, social, legal, political, and technological environments that influence our society, (2) the significant functions of all private- and public-sector business organizations, and (3) a specialized area of expertise within the field of business. The importance of a broad educational background is emphasized.

The College of Business Bachelor of Business Administration (B.B.A.) curriculum includes general education requirements in the liberal arts and sciences, College of Business core requirements, and major program requirements.

Five undergraduate majors and several concentrations leading to the B.B.A. degree are available in the College of Business. The majors are accountancy, economics, finance, management, and marketing. Concentrations within some of the majors, include business economics, general business and economics, corporate finance and investments, banking, real estate, human resources management, logistics/supply chain management, general management, management information systems, legal studies, integrated marketing communications, food marketing, and marketing and management.

The college also offers the Bachelor of Arts degree (B.A.) in Economics, which is a non-business degree.

The college prepares students to pursue graduate study in accountancy, business, economics, and law. In addition, it provides the opportunity and environment for faculty research and service to the business community.

College of Business Honors Program

The College of Business has an Honors Program to attract, retain and recognize outstanding students. The program provides an enriched academic experience for selected students. It features 21 credit hours of college-wide and department-specific honors courses and seminars in business.

Applicants to the program should have a high school grade point average of 3.5 or greater and an ACT score of 29 or more (or an equivalent SAT score). Scholarships are available. Interested students should contact the College of Business Honors Program Director, East Tennessee State University, P.O. Box 70699, Johnson City, TN 37614.

College of Business Internship Program

The College of Business offers an Internship Program for business students wishing practical experience in their major. Students must be College of Business majors with an overall GPA of 2.7 and have a GPA of 3.0 in College of Business courses. Students should have completed at least two courses in their major before applying for an internship.

Successful completion of the 130 hours of on-site learning earns students three elective credits in their major. Approval from the respective department chair must be given to allow the course to substitute for another course in the major. Only one internship course per student is permitted.

Course Level Requirements – All 1000- and 2000-level (lower division) courses should be completed by the end of the sophomore year. All students enrolling in 3000- and 4000-level (upper division) College of Business courses must have junior- or senior-level standing and have completed prerequisite courses.

Major – Students in the College of Business meet the requirements for their major by completing the courses listed under their major program.

Entering business students are classified as pre-business (PBUS) until the Special Requirements (p131) are met. Prior to the completion of 60 semester credit hours, each student planning to pursue a B.B.A. will be classified as a pre-business student. At the beginning of the junior year, each qualified business student must select a specific major within the college. Qualified students who do not apply for a specific major will be assigned a major in economics with a concentration in general business and economics. See the special admission requirements for College of Business undergraduate majors.

At least 50 percent of the B.B.A. core requirements and major program requirements for the Bachelor of Business Administration degree must be earned at East Tennessee State University.

All College of Business B.B.A. majors are required to complete the curriculum outlined below.

Basic Curriculum for All College of Business B.B.A. Majors

<table>
<thead>
<tr>
<th>General Education Requirements:</th>
<th>49 Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010 Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking and Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530 Probability &amp; Statistics - Non-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 1100 Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education, Military Science, or Marching Band</td>
<td>2</td>
</tr>
<tr>
<td>HIST 2010 The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2020 The United States Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>Heritage option ENGL 2030, 2210, 2210, 2220, or 2430</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences option</td>
<td>8</td>
</tr>
<tr>
<td>Arts and The Artistic Vision option*</td>
<td>3</td>
</tr>
<tr>
<td>Identity, Ethics, and Social Responsibility option*</td>
<td>3</td>
</tr>
<tr>
<td>Humanities option*</td>
<td>6</td>
</tr>
<tr>
<td>Institutions and Society option*</td>
<td>3</td>
</tr>
</tbody>
</table>

B.B.A. Core Requirements: 36 Credit Hours

| ACCT 2010 & 2020 Principles of Accounting I and II | 6 |
| ECON 2070 & 2080 Quantitative Methods for Business I & II | 6 |
| MGMT 3000 Organizational Behavior & Management | 3 |
| MGMT 3050 Decision Science | 3 |
| MGMT 3310 Legal Environment of Business | 3 |
| MKTG 3200 Principles of Marketing | 3 |
| FNCE 3220 Business Finance | 3 |
| MGMT 3100 Production and Operations Management | 3 |
| MGMT 3220 Management Information Systems | 3 |
| MGMT 4910 Policy and Strategy Formulation | 3 |

Major Program Requirements: 24-29 Credit Hours**

See separate catalog listings for requirements in each major.

Freshman Requirement:

Free Electives | 6 Credit Hours
Non-business Electives | 8-13 Credit Hours
Total Hours Required for Degree | 128 Credit Hours

*See university General Education Core Requirements for options.

**The marketing major and the general management concentration have 24 credit hours of major program requirements and 13 credit hours of non-business electives. Most other business
majors and concentrations have 27 credit hours of major program requirements and 10 credit hours of non-business electives.

All business graduates must earn a minimum 2.0 overall GPA in all business core requirements and in all major program requirements, including work at ETSU and transfer work.

**Special Admission Requirements for College of Business B.B.A. Majors**

1. Each student planning to pursue the B.B.A. degree in business must apply for admission to a business major upon completion of 60 credit hours.
2. Upon completion of 60 credit hours, each student who applies for admission to a major in business will be admitted if the following requirements are met:
   a. The student must have attained a minimum overall grade point average of 2.0, except accountancy majors who must attain a minimum of 2.5.
   b. The following English composition and mathematics courses of the General Education Requirements must have been successfully completed:
      - ENGL 1010 Critical Reading & Expository Writing
      - ENGL 1020 Critical Thinking & Argumentation
      - MATH 1530 Probability & Statistics - Non-Calculus
   c. The student must have completed the following College of Business courses with at least a 2.0 overall grade point average:
      - ACCT 2010 Principles of Accounting I
      - ACCT 2020 Principles of Accounting II
      - ECON 2210 Principles of Economics I
      - ECON 2220 Principles of Economics II
      - ECON 2070 Quantitative Methods For Business I
      - ECON 2080 Quantitative Methods For Business II
3. These admission standards apply to all entering ETSU students, to ETSU students seeking to change from a non-business to a business major, to students seeking to transfer from other institutions, and to students readmitted to ETSU.

Additional information regarding College of Business admissions and retention policies, as well as career opportunities in business, may be obtained in the college's Office of Undergraduate Studies in room 213, Sam Wilson Hall, phone (423) 439-5275.

**Minor** – A minor is not required for students who have B.B.A. majors.

**Graduate Studies** – The College of Business offers the Master of Business Administration (M.B.A.) degree, the Master of Accountancy (M.Acc.) degree, the Master of Public Administration (M.P.A.) degree, and the Master of City Management degree (M.C.M.). Further information on graduate programs is contained in the School of Graduate Studies Catalog or may be obtained from the college's Office of Graduate Studies in room 214, Sam Wilson Hall. Phone: 423/439-5314.

**Computer-Integrated Manufacturing Program (CIM)** – The computer-integrated manufacturing program is a cooperative effort involving the College of Applied Science and Technology, the College of Business, other university sectors, and industry.

**Center for Banking** – The Center for Banking conducts research and education programs for bank managers and for students with an interest in banking careers. Included are an internship program providing students with practical, on-the-job experience and a speakers program which brings banking and government officials to the classroom.

**Suggested Course Sequence for All B.B.A. Majors in the College of Business**

### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BADM 1130 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010 Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530 Probability &amp; Statistics - Non-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2101 United States History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>Semester Total</td>
<td>17</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>ENGL 1020 Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>Institution &amp; Society Option</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science Option</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1100 Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2120 United States History Since 1877</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<tr>
<td>Semester Total</td>
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</table>

### Sophomore Year

<table>
<thead>
<tr>
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<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 2110 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2270 Quantitative Methods I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2220 Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020 Critical Reading &amp; Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>Semester Total</td>
<td>17</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 2220 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2281 Quantitative Methods II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2220 Principles of Economics II</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Option</td>
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<td>Semester Total</td>
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### Junior Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>Business Core, Major, and Non-Business Elective courses</td>
<td>15</td>
</tr>
<tr>
<td>Free Elective</td>
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</tr>
<tr>
<td>Semester Total</td>
<td>18</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>Business Core, Major, and Non-Business Elective courses</td>
<td>17</td>
</tr>
<tr>
<td>Semester Total</td>
<td>17</td>
</tr>
</tbody>
</table>

### Senior Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>Business Core, Major, and Non-Business Elective courses</td>
<td>15</td>
</tr>
<tr>
<td>Semester Total</td>
<td>15</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>MGMT 4915 Policy &amp; Strategy</td>
<td>3</td>
</tr>
<tr>
<td>Business Core, Major, and Non-Business Elective courses</td>
<td>11</td>
</tr>
<tr>
<td>Semester Total</td>
<td>14</td>
</tr>
</tbody>
</table>

*Students with fewer than two years of high school algebra should enroll in a developmental mathematics course before attempting MATH 1530. MATH 1530 must be completed as soon as possible.

**Please see the appropriate College of Business academic department for upper division course scheduling or contact the Office of Undergraduate Studies in Sam Wilson Hall.

NOTE: Students who anticipate working part time or full time should reduce their class loads accordingly. Actual class loads per semester may vary as long as a minimum total of 128 credit hours is completed for graduation. While the above is not a required sequence, it is strongly recommended in order to avoid scheduling problems due to course prerequisites.

**College Of Business Intensive Courses**

At the present time the following business courses have been designated as intensive courses to meet university general education requirements. Writing-Intensive (WI) courses are Accountancy 3000 and 4610; Economics 4447 and 4610: Finance 3300, 4447, 4520, 4560, 4597, 4617 and 4620; Management 3300, 3320, 4657, and 4910; Marketing 3780 and 4910. Oral Communication-Intensive (OCI) courses are Accountancy...
Accountancy Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3000</td>
<td>Professionalism in Accountancy</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3010</td>
<td>Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3020</td>
<td>Financial Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3110</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3410</td>
<td>Federal Income Taxes</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4010</td>
<td>Advanced Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4310</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4610</td>
<td>Auditing Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4710</td>
<td>Not-for-Profit Entity Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 27

Accountancy Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2010</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2020</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3010</td>
<td>Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 3110</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

(Select from courses in accountancy major): 6

Total Credit Hours: 18

Graduation Requirements:
Accountancy Majors must have a grade of “C” or better in each accounting course.

Department of Economics, Finance and Urban Studies (ECON)(FNCE)(URBS)

The Department of Economics, Finance and Urban Studies is unique in the College of Business in that it offers both Business and non-business degree programs. The primary purpose of the department is to provide a pragmatic, interdisciplinary education for students who wish to enter business or governmental service, or pursue postgraduate studies in business, economics, law, or public management. The department has also established close ties with cooperating universities in Europe and encourages students to participate in the university’s foreign exchange relationships.

The Bachelor of Business Administration (B.B.A.) program offers study leading to the Bachelor of Business Administration degree in either Economics or Finance. The Economics program offers degree concentrations in Business Economics or General Business and Economics. The Finance program offers degree concentrations in Corporate Finance and Investments, Banking, and Real Estate.

The Bachelor of Arts (B.A.) program offers study leading to the Bachelor of Arts degree in Economics and Bachelor of Arts Degree in Economics with concentration in Urban and Regional Studies (see B.A. Degree in Economics in this catalog). This is a non-business degree.

Economics Major

Bachelor of Business Administration

Concentration I – Business Economics

Basic Requirements: Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3310</td>
<td>Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4337</td>
<td>Government Finance &amp; Public Choice</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4610</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

Specific Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3030</td>
<td>Microeconomics: Theories of Business Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3040</td>
<td>Macroeconomics: Analysis &amp; Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three courses from the following: 9

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3700</td>
<td>History of Economic Concepts</td>
<td></td>
</tr>
<tr>
<td>ECON 4327</td>
<td>Labor Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 4447</td>
<td>Urban and Regional Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 4457</td>
<td>Industrial Organization and Regulation</td>
<td></td>
</tr>
<tr>
<td>ECON 4527</td>
<td>International Economics</td>
<td></td>
</tr>
</tbody>
</table>

College of Business elective*: 3

Total Credit Hours: 27

*This elective must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

Concentration II – General Business and Economics

Basic Requirements: Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3310</td>
<td>Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4337</td>
<td>Government Finance &amp; Public Choice</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4610</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

Specific Requirements: 15

Select one course from each of the following five groups of courses:

Group 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3010</td>
<td>Financial Accounting I</td>
<td></td>
</tr>
<tr>
<td>ACCT 3090</td>
<td>Administrative Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT 3110</td>
<td>Management Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT 3410</td>
<td>Federal Income Taxes</td>
<td></td>
</tr>
<tr>
<td>Group 2</td>
<td>FNCE 3120 Principles of Real Estate</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>FNCE 3300 Principles of Investment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FNCE 4447 Banking and Financial Intermediation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group 3</th>
<th>MGMT 4010 Advanced Organizational Behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4020 Organizational Theory &amp; Development</td>
<td></td>
</tr>
<tr>
<td>MGMT 4510 Human Resources Management</td>
<td></td>
</tr>
<tr>
<td>MGMT 4617 Small Business Management</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group 4</th>
<th>MKTG 3202 Consumer Behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 3210 Fundamentals of Distribution</td>
<td></td>
</tr>
<tr>
<td>MKTG 3250 Marketing Communications</td>
<td></td>
</tr>
<tr>
<td>MKTG 3350 Retailing</td>
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</table>

<table>
<thead>
<tr>
<th>Group 5</th>
<th>MKTG 3300 Written Organizational Comm.</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Business elective*</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 27

**This elective must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

### Economics Minor

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ECON 2210 Principles of Economics I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2220 Principles of Economics II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 3310 Monetary Economics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 4337 Government Finance and Public Choice</td>
<td>3</td>
<td></td>
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<tr>
<td>Economics electives*</td>
<td>6</td>
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</table>

Total: 18

*These electives must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

### General Business Minor*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ACCT 2010 Principles of Accounting I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2020 Principles of Accounting II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 2220 Principles of Economics II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FNCE 2220 Personal Finance or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKTG 3220 Business Finance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 3200 Principles of Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 3000 Organizational Behavior &amp; Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 3310 Legal Environment of Business</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total: 21

*The General Business Minor is designed for the non-business student who may be interested in pursuing the master of business administration degree.

**Completion of the student's college-level math requirement is a prerequisite for Principles of Accounting I and II.

***Students should complete ECON 2210 as part of the General Education requirements.

### Finance Major

#### Concentration I – Corporate Finance and Investments

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3310 Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>FNCE 3300 Principles of Investment</td>
<td>3</td>
</tr>
<tr>
<td>FNCE 3500 Capital Budgeting</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Specific Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3090 Administrative Accounting OR</td>
</tr>
<tr>
<td>other ACCT course with the approval of the chair of the Department of Economics, Finance and Urban Studies</td>
</tr>
<tr>
<td>FNCE 4560 Portfolio Theory and Valuation</td>
</tr>
<tr>
<td>FNCE 4597 International Financial Management</td>
</tr>
<tr>
<td>FNCE 4620 Financial Analysis and Policy</td>
</tr>
</tbody>
</table>

Select six hours from: 6

| ECON 4610 Managerial Economics |
| FNCE 4330 Real Estate Finance |
| FNCE 4447 Banking and Financial Intermediation |
| FNCE 4617 Applied Portfolio Management |

OR other upper division College of Business electives.*

Total: 27

*These electives must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

#### Concentration II – Banking

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3310 Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>FNCE 3300 Principles of Investment</td>
<td>3</td>
</tr>
<tr>
<td>FNCE 3500 Capital Budgeting</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Specific Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNCE 4447 Banking and Financial Intermediation</td>
</tr>
<tr>
<td>FNCE 4500 Credit Management</td>
</tr>
<tr>
<td>FNCE 4520 Bank Policy</td>
</tr>
<tr>
<td>FNCE 4620 Financial Analysis and Policy</td>
</tr>
</tbody>
</table>

Select six hours from: 6

| ACCT 3010 Financial Accounting I |
| ACCT 3020 Financial Accounting II |
| FNCE 4330 Real Estate Finance |
| FNCE 4560 Portfolio Theory and Valuation |
| FNCE 4597 International Financial Management |

OR other upper division College of Business Electives.*

Total: 27

*These electives must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

#### Concentration III – Real Estate

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 3310 Monetary Economics</td>
<td>3</td>
</tr>
<tr>
<td>FNCE 3300 Principles of Investment</td>
<td>3</td>
</tr>
<tr>
<td>FNCE 3500 Capital Budgeting</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specific Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 4447 Urban and Regional Economics</td>
</tr>
<tr>
<td>FNCE 3120 Principles of Real Estate</td>
</tr>
<tr>
<td>FNCE 4320 Real Estate Appraisals</td>
</tr>
<tr>
<td>FNCE 4620 Financial Analysis and Policy</td>
</tr>
</tbody>
</table>

Select six hours from: 6

| FNCE 3130 Real Estate Law |
| FNCE 4330 Real Estate Finance |
| FNCE 4340 Real Estate Brokerage |
| FNCE 4350 Real Estate Management |
| FNCE 4360 Real Estate Appraisal Problems |

OR other upper division College of Business Electives.*

Total: 27

*These electives must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

### Finance Minor

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ACCT 2010 Principles of Accounting I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2220 Principles of Economics II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FNCE 3220 Business Finance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FNCE 3300 Principles of Investment</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FNCE 3500 Capital Budgeting</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

| Finance electives* | 9 |

Total: 18

*These electives must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.

---

**Group of Accounting I and II.**

**In pursuing the master of business administration degree.**

**The General Business Minor is designed for the non-business student who may be interested in pursuing the master of business administration degree.**

**Completion of the student's college-level math requirement is a prerequisite for Principles of Accounting I and II.**

**Students should complete ECON 2210 as part of the General Education requirements.**

**The General Business Minor is designed for the non-business student who may be interested in pursuing the master of business administration degree.**

**Completion of the student's college-level math requirement is a prerequisite for Principles of Accounting I and II.**

**Students should complete ECON 2210 as part of the General Education requirements.**

**The General Business Minor is designed for the non-business student who may be interested in pursuing the master of business administration degree.**

**Completion of the student's college-level math requirement is a prerequisite for Principles of Accounting I and II.**

**Students should complete ECON 2210 as part of the General Education requirements.**

---

**The Department of Management and Marketing includes a management program and a marketing program. The management program offers study**
leading to the bachelor of business administration degree with a major in management. Management majors must select one of five concentrations. The marketing program offers study leading to the bachelor of business administration degree with a major in marketing. Marketing majors must select one of three concentrations. Programs are designed to equip students with conceptual foundations and practical skills necessary for entry-level positions in both private and public-sector organizations.

**Management Major**

### Concentration I – Human Resources Management

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4020</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4030</td>
<td>3</td>
</tr>
</tbody>
</table>

**Specific Requirements:**

<table>
<thead>
<tr>
<th>MGMT 4510</th>
<th>Human Resources Management</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4530</td>
<td>Compensation Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4560</td>
<td>Planning and Staffing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4777</td>
<td>Employment Law</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses from: ........................................................ 6

- MGMT 4010 Advanced Organizational Behavior
- MGMT 4520 HRM in Team-Based Organizations
- MGMT 4540 Personnel Research and Measurement
- MGMT 4570 Training and Development
- MGMT 4587 HRM Certification
- MGMT 4347 Collective Bargaining
- ECON 4327 Labor Economics

Total .................................................................... 24

### Concentration II – Logistics/Supply Chain Management

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4020</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4030</td>
<td>3</td>
</tr>
</tbody>
</table>

**Specific Requirements:**

<table>
<thead>
<tr>
<th>MKTG 3310</th>
<th>Business Logistics</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4317</td>
<td>Materials Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3650</td>
<td>Supply Chain Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three courses from: ..................................................... 9

- MGMT 4357 CIM Applications
- MGMT 3660 Project Management
- MGMT 4217 Service Operations Management
- MGMT 4510 Human Resources Management
- MGMT 4327 Decision Modeling and Simulation
- OR upper division College of Business or Department of Technology electives. These electives may be tailored into focus areas to fit the specific educational needs of the student.*

Total .................................................................... 27

*These electives must be approved by the chair of the Department of Management and Marketing prior to enrollment.

### Concentration III – Management Information Systems

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4020</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4030</td>
<td>3</td>
</tr>
</tbody>
</table>

**Specific Requirements:**

<table>
<thead>
<tr>
<th>CSCI 1101</th>
<th>Introduction to Spreadsheets</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1102</td>
<td>Introduction to Database Applications</td>
<td>1</td>
</tr>
<tr>
<td>CSCI 1800</td>
<td>Visual Programming Design with Applications</td>
<td>3</td>
</tr>
<tr>
<td>BADM 4857</td>
<td>Electronic Commerce</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4330</td>
<td>Data Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4219</td>
<td>Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 3400</td>
<td>Network Design &amp; Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select any two courses from: .................................................. 6

- MGMT 4357 CIM Applications
- MGMT 3660 Project Management
- MGMT 4327 Decision Modeling and Simulation

Total .................................................................... 29

### Concentration IV – Legal Studies

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4020</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4030</td>
<td>3</td>
</tr>
</tbody>
</table>

**Specific Requirements:**

<table>
<thead>
<tr>
<th>MGMT 4440</th>
<th>Governmental Regulations of Business</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3120</td>
<td>Preprofessional Writing, OR</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3130</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

Select any four courses from: .................................................. 12

- MGMT 4777 Employment Law
- MGMT 4667 Environmental Law for Business
- MGMT 3330 Law of Commercial Transactions
- MGMT 4420 Law of Business Organizations
- MGMT 4430 Manufacturing & Technology Law
- MGMT 4450 International Business Law
- FNCE 3130 Real Estate Law
- ACCT 3410 Federal Income Taxes I
- ACCT 4427 Federal Income Taxes II

Total .................................................................... 24

### Concentration V – General Management

<table>
<thead>
<tr>
<th>Basic Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 4020</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4030</td>
<td>3</td>
</tr>
</tbody>
</table>

**Specific Requirements:**

| MGMT 4510          | Human Resources Management      | 3 |

Select two courses from: ........................................................ 6

- MGMT 4317 Materials Management
- MGMT 4327 Decision Modeling and Simulation
- MGMT 4330 Data Management
- MGMT 3650 Supply Chain Management
- MGMT 4217 Service Operations Management
- MGMT 4357 CIM Applications
- OR upper division College of Business electives*

Total .................................................................... 24

*These electives must be approved by the chair of the Department of Management and Marketing prior to enrollment.

**Management Minor**

<table>
<thead>
<tr>
<th>ACCT 2010</th>
<th>Principles of Accounting I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2210</td>
<td>Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3000</td>
<td>Organizational Behavior &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4010</td>
<td>Advanced Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4020</td>
<td>Organizational Theory &amp; Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Select any four courses from: .................................................. 12

- ENGL 3120 Preprofessional Writing, OR
- ENGL 3130 Advanced Composition
- MGMT 4510 Human Resources Management
- MGMT 4520 HRM Certification
- MGMT 4530 Compensation Management
- MGMT 4540 Personnel Research and Measurement
- MGMT 4550 Employment Law
- MGMT 4560 Planning and Staffing
- MGMT 4347 Collective Bargaining
- MGMT 4520 Team Management

Total .................................................................... 21

*These electives must be approved by the chair of the Department of Management and Marketing prior to enrollment.
Interdisciplinary Minor in Leadership Studies

The Department of Management and Marketing serves as the academic host for the interdisciplinary minor in leadership studies. It is designed to provide students with the necessary knowledge, skills and experiences to fulfill future community-based and business leadership roles. It is designed to supplement any major at ETSU. The minor consists of 21 credits and eight experiences for a portfolio. Once the student has officially declared the intent to participate in the minor, a portfolio advisor will be assigned from the Center for Student Life and Leadership. It is recommended that a student begin work on the portfolio as soon as possible. Assignment of a community/campus mentor will not be made until the end of the junior year.

Two upper division courses are required of all students in the minor, MGMT 3000 and MGMT/ELPA 4460. These courses meet the required competency in leadership and management. Nine of the 21 credits are to be taken from the prescribed core competency areas below. Six additional credits must come from the list of focused competency electives to develop the student’s understanding of leadership through multicultural, sociological and experiential methods, no two courses from the same department. Details can be obtained from the Chairperson of Management and Marketing and the Assistant Vice President for Student Life and Leadership.

Core Competency

Ethics and Social Responsibility
Select one course from: ......................................................... 3
HUMT 1020 Introduction to Service-Learning
PHIL 4017 Ethical Theory
MGMT 3320 Management and Social Responsibility
ENGL 3150 Literature, Ethics and Values

Oral Communication
Select one course from: ......................................................... 3
MGMT 3200 Organizational Communication
SPCH 2320 Argumentation and Debate
SPCH 3380 Dynamics of Group Leadership
SPCH 4346 Business and Professional Communication
SPCH 4357 Communications in Organizations

Written Communications
Select one course from: ......................................................... 3
ENGL 3120 Pre-Professional Writing
ENGL 3130 Advanced Composition
ENGL 3030 Technical Communications
JOUR 2120 Writing for Print Media

Focused Competency electives ............................................. 6
MGMT 3000 Organizational Management ......................... 3
MGMT 4460 or ELPA 4460 Leadership Studies .................... 3
Required Portfolio
Total ................................................................. 21

Marketing Major

Concentration I – Marketing Management

Basic Requirements
MKTG 3202 Consumer Behavior ........................................... 3
MKTG 4617 Marketing Research ............................................. 3
MKTG 4910 Marketing Management ....................................... 3

Specific Requirements:
MKTG 3740 Sales Force Management .................................... 3

Select one course from: ......................................................... 3
MKTG 4217 Health Care Marketing
MKTG 4710 International Marketing

Concentration II – Integrated Marketing Communications

Basic Requirements
MKTG 4617 Marketing Research ............................................. 3
MKTG 4910 Marketing Management ....................................... 3

Specific Requirements:
MKTG 3250 Marketing Communications ................................ 3
MKTG 3740 Sales Force Management .................................... 3
MKTG 3750 Advertising Campaign Management ................. 3

Electives ................................................................. 6
Any two Marketing courses or approved electives*
Total ................................................................. 24

*These electives must be approved by the chair of the Department of Management and Marketing prior to enrollment.

Concentration III – Food Marketing

Basic Requirements
MKTG 3202 Consumer Behavior ........................................... 3
MKTG 4617 Marketing Research ............................................. 3
MKTG 4910 Marketing Management ....................................... 3

Specific Requirements:
MKTG 4217 Health Care Marketing ...................................... 3
MKTG 4360 Strategic Marketing Issues & Strategies ............... 3

Electives ................................................................. 3
Any Marketing course or approved elective*
Total ................................................................. 24

*These electives must be approved by the chair of the Department of Management and Marketing prior to enrollment.

Economics Major

The Bachelor of Arts degree in Economics (B.A.) is a non-business degree. The most significant differences between the Bachelor of Business Administration degree (B.B.A.) and the Bachelor of Arts degree in Economics (B.A.) are:

Non-Business B.A. Students:
1. ARE REQUIRED to satisfy “Bachelor Degree Requirements” listed below.
2. DO NOT complete the College of Business “BASIC CURRICULUM FOR ALL COLLEGE OF BUSINESS B.B.A. MAJORS” found on page 130 of this catalog.
3. ARE REQUIRED to demonstrate proficiency in a foreign language (see page 111 of this catalog).
4. ARE REQUIRED to limit their Business Administration and Management courses to no more than 25 percent of the total number.
of hours completed for the B.A. degree. The 25 percent limit includes courses in Accounting, Finance, Management, and Marketing.

### Requirements for the Bachelor of Arts in Economics (B.A.)

#### General Education Requirements:
- 49 Credit Hours
  - ENGL 1010: Critical Reading & Expository Writing ........ 3
  - ENGL 1020: Critical Thinking & Argumentation ............. 3
  - CSCI 1100: Using Information Technology .................. 3
  - PHYS 1010: Physical Education (Lifetime) ................. 1
  - PHYS 1011: Physical Education (Fitness) ................... 1
  - HIST 2010: United States to 1877 ......................... 3
  - HIST 2020: United States Since 1877 ..................... 3
  - ECON 2220: Principles of Economics II ..................... 3
  - ECON 3310: Monetary Economics ............................ 3
  - ENGL 1010: Critical Reading & Expository Writing ........ 3
  - ENGL 1020: Critical Thinking & Argumentation ............. 3
  - CSCI 1100: Using Information Technology .................. 3
  - PHYS 1010: Physical Education (Lifetime) ................. 1
  - PHYS 1011: Physical Education (Fitness) ................... 1
  - HIST 2010: United States to 1877 ......................... 3
  - HIST 2020: United States Since 1877 ..................... 3
  - ECON 2220: Principles of Economics II ..................... 3
  - ECON 3310: Monetary Economics ............................ 3
  - ENGL 1010: Critical Reading & Expository Writing ........ 3
  - ENGL 1020: Critical Thinking & Argumentation ............. 3
  - CSCI 1100: Using Information Technology .................. 3
  - PHYS 1010: Physical Education (Lifetime) ................. 1
  - PHYS 1011: Physical Education (Fitness) ................... 1
  - HIST 2010: United States to 1877 ......................... 3
  - HIST 2020: United States Since 1877 ..................... 3

**Note:** Students studying for a B.A. must complete 3 hours credit in Non-U.S. History. The Department recommends either HIST 1110 or 1120 to fulfill the Humanities Option.

#### Economics Core Requirements:
- 24 Credit Hours
  - ECON 2207: Quantitative Methods for Business I ........... 3
  - ECON 2208: Quantitative Methods for Business II .......... 3
  - ECON 2210: Principles of Economics I ....................... 3
  - ECON 2220: Principles of Economics II ..................... 3
  - ECON 3030: Microeconomics: Theory of Business Behavior .. 3
  - ECON 3040: Macroeconomics: Analysis & Policy ............. 3
  - ECON 3310: Monetary Economics ............................ 3
  - ECON 3700: History of Economic Concepts ................... 3

**Select 2 courses from:** ........................................ 6 Credit Hours
- ECON 4272: Labor Economics ...................................... 3
- ECON 4337: Gov. Finance and Public Choice .................. 3
- ECON 4447: Urban and Regional Economics .................... 3
- ECON 4457: Industrial Organization & Regulation ............ 3
- ECON 4527: International Economics .......................... 3
- ECON 4610: Managerial Economics ............................ 3
- MGMT 4347: Collective Bargaining ............................ 3

**Minor Field Requirements:** ................................. 18-21 credit hours

Minors are selected with the guidance of the chair of the Economics, Finance, and Urban Studies Department and the approval of the minor department.

**Free Electives** .................................................. 28-31 credit hours

**Total Hours Required for B.A. Degree:** ................. 128

### Requirements for the Bachelor of Arts in Economics (B.A.) with a Concentration in Urban and Regional Studies

#### General Education Requirements:
- 49 Credit Hours
  - ENGL 1010: Critical Reading & Expository Writing ........ 3
  - ENGL 1020: Critical Thinking & Argumentation ............. 3
  - CSCI 1100: Using Information Technology .................. 3
  - PHYS 1010: Physical Education (Lifetime) ................. 1
  - PHYS 1011: Physical Education (Fitness) ................... 1
  - HIST 2010: United States to 1877 ......................... 3
  - HIST 2020: United States Since 1877 ..................... 3

**Total Hours Required for B.A. degree:** ................. 128

**Urban and Regional Studies Minor**
- URBS 3100: Intro to Urban & Regional Planning ............... 3
- URBS 2610: Intro. to Urban Administration .................. 3
- ECON 4447: Urban and Regional Economics .................... 3
- SOAA 3150: Urbanization ....................................... 3

**Total Hours Required for B.A. Degree:** ................. 21 credit hours

**Free Electives** .................................................. 19 credit hours

**Guided Electives** .............................................. 9

*These electives must be approved by the chair of the Department of Economics, Finance, and Urban Studies prior to enrollment.*
The School of Continuing Studies is the academic unit responsible for the special needs of adult and nontraditional students. In addition to the Office of the Associate Vice President for Public Service and Dean of Continuing Studies, there are several centers with special programs or services.

**Division of Cross-Disciplinary Studies**

The Division of Cross-Disciplinary Studies administers the Bachelor of General Studies, Bachelor of Applied Science, Bachelor of Science in Interdisciplinary Studies, Bachelor of Science in Professional Studies and the Master of Arts in Liberal Studies degrees. The Division facilitates credit classes at sites other than Johnson City, Bristol, Greeneville, and Kingsport, and coordinates Cohort programs. Arrangements for off-campus courses can be made by calling Cross-Disciplinary studies at (423) 439-4223. In order to service the needs of organizations such as business/industry and school systems, courses are taught on-site at organizations when appropriate faculty are available. The courses can be existing classes, or course content can be tailored to the organization's needs within approved limits established by ETSU academic departments and faculty.

The Division offers service-learning courses. Service-learning is a form of experiential education that ties academic coursework to meaningful service. While gaining core and oral- and writing-intensive credit in the introductory course, students work with populations or environments through placements with community agencies. Students commit to thirty (30) out-of-class hours while gaining hands-on involvement, resume building experience, time management awareness, communication skills and critical thinking practice. In addition to the Introduction to Service-Learning course, Advanced Service-Learning and Cherokee Immersion Project are offered annually with future courses planned.

**Office of Professional Development**

The Office of Professional Development responds to the demand for specialized continuing education, lifelong learning opportunities, training, cultural, and avocational offerings. This unit is a major source for seminars, workshops, conferences, non-credit courses, teleconferences, and customized training for the professional, cultural, industrial, educational, and business communities. In-house programs can be designed to fit the needs of private or public sector employers and professional organizations. Lifelong learning and serving the public are major goals. Professional Development partners with other ETSU departments and offices, when applicable, to achieve these goals.

**ETSU at Kingsport**

Kingsport – Day, evening, and weekend classes including lower division, upper division, and graduate courses are offered each term at the ETSU at Kingsport campus in Kingsport, Tenn. Undergraduate offerings meet most of the freshman and sophomore degree requirements of most ETSU programs. Graduate evening courses are available in selected academic areas. Scholarships for full- and part-time students are available. Courses are taught by full-time ETSU faculty based at the center, faculty from the main campus in Johnson City, and adjunct instructors from the community. Career counseling, academic advising, and financial aid assistance are available. A variety of intramural and other student activities are also available.

Facilities on the 100-acre site include computer registration via GoldLink, bookstore, library, biology and chemistry labs, computer labs, and a gymnasium/weight room.

**ETSU at Bristol**

Bristol – Day and evening classes, including lower division, upper division, and graduate courses, are offered each term at ETSU at Bristol, located at 1227 Volunteer Parkway, Executive Park Plaza. Undergraduate core courses plus selected courses from several undergraduate and graduate majors are available. Courses are taught by full-time faculty or adjunct instructors from the community. Academic advising is available by appointment and additional support services are provided at designated times each semester. Student services and facilities include registration and fee payment, student financial aid information, I.D.s and tutoring, library with computer connections to main campus, a computer laboratory, three instructional television classrooms, a bookstore annex, and a Grand Hall for community events.

Students may pursue a Bachelor of General Studies (B.G.S.) or take classes leading to majors in business, education, criminal justice and engineering technology. The entire R.N. to B.S.N. nursing program is available on selected weekends. Other master's degrees include: Professional Communications, Early Childhood Education, Secondary Education/Classroom Technology, and Master of Business Administration (M.B.A.).

**ETSU at Greeneville**

Greeneville – Working cooperatively with Walters State Community College, ETSU offers junior, senior and graduate-level courses from selected academic disciplines to the residents of the Greeneville area each semester. Both day and evening courses are delivered through ETSU's distance education program and in the traditional classroom setting. A state-of-the-art computer lab provides Greeneville students with access to the ETSU Library and the Internet.

Located in the Greeneville-Greene County Center for Higher Education, at 215 North College Street, this new site represents a sharing of facilities between two Tennessee Board of Regents institutions and enhanced access to opportunities for advanced education and lifelong learning. ETSU and Walters State have an articulation agreement in Greeneville that improves student transfer between the community college and the university. Current ETSU coursework at the Greeneville Site is centered around the academic disciplines addressed in the articulation agreement and other courses and cohort programs designed for the specific needs of the local community. The Greeneville site is also home to the Tennessee Institute for Economic Development, a unique public service partnership between the TBR and UT systems.

**Office hours:**
- **Monday-Thursday:** 8:00 a.m. - 7:00 p.m.
- **Friday:** 8:00 a.m. - 4:30 p.m.

**Telephone:**
- (423) 787-7300

**Fax:**
- (423) 787-7305
The Office of Distance Education offers live, interactive televised courses, professionally produced telecourses through public broadcast and by video checkout, and WWW/Internet-based courses.

**Live, interactive Television Courses.** These courses usually scheduled campus classes transmitted to off-campus locations at ETSU at Kingsport, ETSU at Bristol, and ETSU at Greeneville. ETSU can link with other educational institutions to deliver or receive live courses or programs outside of our primary service area. All interactive television distribution systems allow the university to serve undergraduate and graduate students at off-campus locations while also integrating them into the regular campus classroom. Classroom facilitators meet with the students during class at all receive-site locations. All class meetings are taped and copies are placed in the Sherrod Library Media Center (311 Sherrod Library), ETSU at Kingsport Library, ETSU at Greeneville and ETSU at Bristol for students to view at the sites if they miss a class or need to review a class session.

**Telecourse.** Each spring and fall semester, the university offers a few professionally produced telecourses through WSJK, channel 2, and WKOP, channel 15, East Tennessee's public television stations. A limited number of telecourses are also available through video check-out. For public broadcast and video check-out, telecourses are intended for students who have past college experience, are self-motivated, and can learn in a more independent learning environment than is required for regular courses. Although telecourses eliminate the requirement to attend weekly in-class lectures, the other regular academic requirements remain, e.g., textbooks, tests, and research papers. Students are supervised by a faculty member and attend scheduled meetings during the semester. An orientation for each course is held at the beginning of the semester. Videotapes of lessons are available in the Sherrod Library Media Center (311 Sherrod Library) for viewing from 8 a.m. - 10:30 p.m., Monday through Thursday, on Fridays from 8 a.m. - 6 p.m., on Saturdays from 10 a.m. - 6 p.m., and on Sundays from 2 p.m. - 10:30 p.m. Videotapes are also available at the ETSU at Kingsport library (423-392-8000), ETSU at Bristol (423-844-6300), and ETSU at Greeneville (423-787-7300).

**Faculty Mentoring Center.** The Faculty Mentoring Center (FMC) provides one-on-one mentoring to ETSU faculty members in the use of technology to improve instruction and through informal sessions provides opportunities for exploration of issues, trends, and strategies relating to online teaching and learning. The FMC utilizes the skills and expertise of approximately four ETSU faculty members each semester. These individuals work on projects that will support ETSU faculty and students throughout their teaching and learning experiences. These projects include modules on the appropriate use of multimedia in traditional and Internet-based instruction, training modules on web-based resources, and tutorials and resources to help students successfully access and succeed in web-based and web-enhanced courses. The FMC offers four workstations for working members and three drop-in stations for faculty who are seeking mentoring and/or a quiet location to develop their online course materials. The FMC is located on the lower level of Yoakley Hall on the main campus of East Tennessee State University, Johnson City, Tenn. Yoakley Hall is located on Dossett Drive and is the second building west of the D.P. Culp Center. For more information about the Faculty Mentoring Center please contact Jeff Burleson at 439-6092 or by e-mail at burlesoj@mail.etsu.edu.

**Internet and Web-Enhanced Courses.** ETSU’s Office of Distance Education licenses Blackboard, a course management system, and maintains servers for Internet/WWW and web-enhanced courses. ETSU policy states that a course is classified as an Internet/WWW course when more than 50 percent of the course is taught online. A web-enhanced course includes course materials available online that supplement instruction for traditional face-to-face instruction, telecourses, and live, interactive television courses. Several graduate and undergraduate Internet/WWW-based courses are offered every semester. In fall 2001, the Associate in Science to Bachelor of Science in Dental Hygiene degree from the College of Public and Allied Health began.

Students should be mature and self-motivated and directed and feel comfortable working in an independent learning environment. Students should also have access to a computer and the Internet. A few Internet/WWW courses are conducted entirely online. For other Internet/WWW courses, faculty may require students to obtain permission to enroll, have mandatory orientations at the beginning of the semester, and/or require in-class meetings to conduct lab sessions, and for review and exams throughout the term. For each Internet course, faculty create a public page that includes a course description, prerequisites, objectives/goals, assignments, and other items that a student will need to know before enrolling. All Internet/WWW courses are password protected. Complete information is available online for students to access and navigate Internet/WWW courses.

**All Distance Education Courses.** Students should follow standard admission and registration procedures. For further information, see departmental listings in ETSU’s Schedule of Classes or check online at http://online.etsu.edu.

**Bachelor of General Studies (B.G.S.)**

The School of Continuing Studies offers the Bachelor of General Studies (B.G.S.) to provide adult students an alternative to traditional degree programs. A learner-centered program, the B.G.S. allows students to develop an individualized program of study specifically tailored to their learning needs. The program is intended for the mature student, generally 21 or older, who wishes to complete an undergraduate degree while still fulfilling employment and family responsibilities. Each student follows an Individual Learning Plan (ILP). This plan is a written summary developed by the student and B.G.S. advisor that includes the ETSU general education core, previous college-level work and elective credits to meet graduation requirements and the student's personal and professional goals. Recognizing that learning takes place in nonacademic settings, the B.G.S. program encourages students to pursue credit for college-level prior learning. Credit may be earned through such programs as the College Level Examination Program (CLEP), departmental challenge exams, or submission of a prior learning portfolio that is evaluated by ETSU faculty. Due to the unique nature of this degree, double majors are not allowed.

**Admission Requirements:**

1. A student must be admitted to the university through the Office of Admissions.
2. Once accepted, the student must apply for admission to the B.G.S. program through the School of Continuing Studies and meet these requirements.
   a. The student must be 21 or older but not have 100 or more semester hours. (Exceptions to the 100 hours completed may be
applied to the Associate Dean, Division of Cross-Disciplinary Studies."

b. The student must complete the Cross-Disciplinary Studies application.

c. The student must write a brief essay that includes academic goals and objectives and the reason the B.G.S. program is appropriate.

d. The student must interview with the B.G.S. advisor. The student must show evidence of ability to do highly independent work. Students better served by traditional academic programs will be referred to those programs.

**Curriculum Requirement:**

1. General Education Core Requirements:

- **ENGL 1010** Critical Reading & Expository Writing ....................... 3
- **ENGL 1020** Critical Thinking & Argumentation .......................... 3
- **MATH** ........................................................................ 3-4
- **CSCI 1100** Using Information Technology ............................... 3
- **Science** ...................................................................... 4
- **HIST 2010** The United States to 1877 .................................... 3
- **HIST 2020** The United States since 1877 ............................... 3
- **Arts and the Artistic Vision** ........................................... 3
- **Identity, Ethics and Social Responsibility** ............................. 3
- **Institutions and Society** .................................................. 3
- **Institutions and Society** .................................................. 3
- **Humanities Elective** ...................................................... 3

**General Education Core Total** ............................................ 44-45

Additional graduation requirements:

- **PHED Fitness** .............................................................. 1
- **PHED Lifetime** ........................................................... 1
- **Proficiency intensives** .................................................... 1

2. Individual Learning Plan (ILP). The student's Individual Learning Plan, designed with the help of an academic advisor, must include the following course: **BGSD 4210 Professional Field Experience** (three semester hours). The ILP is prepared early in the student's program. Each student's ILP consists of prior learning and all planned new learning. Prior learning includes previous coursework, credit for CLEP and other exams, credit recommended by the American Council on Education, and prior learning portfolio credit. New learning consists of the ETSU courses the student plans on completing to meet degree requirements. B.G.S. majors are required to limit their hours from the College of Business to no more than 25 percent of the total number of hours completed for the B.G.S. degree.

3. Senior-Level Institution. A minimum of 60 semester hours must be completed at a senior-level (four-year) institution.

4. Upper Division and Residency. 34 credits of the student's total program must be upper division (3000/4000 levels). At least 30 semester hours of credit must be completed in residence at ETSU. Evening, off-campus courses, and credit earned through the portfolio are considered residence credit.

5. **Grade Point Average.** A minimum grade point average of 2.0 is required to graduate.

6. **Minor:** A minor is not required for B.G.S. students but students may choose to pursue a minor as it fits their goals.

7. **Professional Field Experience:** Satisfactory completion of the B.G.S. Professional Field Experience (BGSD 4210) is required to graduate.

8. **Total Hours:** 120 semester hours are required.

**BGSD 4210. Professional Field Experience (3 credits)** – Required of all B.G.S. students. Senior standing. The purpose is to increase the student's knowledge in a particular personal or career-related area through a practical learning experience. This must be new learning by the student and submitted in the form of a culminating project.

**The Prior Learning/Experiential Learning Portfolio**

The prior learning portfolio is an option available only to B.G.S., B.S.I.S. and B.S.P.S. students that allows them the opportunity to earn credit for their college-level learning that has taken place outside the traditional college classroom. In consultation with the advisor, students prepare a prior learning portfolio. The finished portfolio is submitted to the advisor to appraise form and content. Final approval is made by the appropriate departmental faculty. Credit may only be awarded for prior learning that directly equates to specific ETSU courses.

If a student transfers from the B.G.S., B.S.I.S., B.S.P.S. and B.A.S. to another major, hours earned through the prior-learning portfolio cannot be applied to the new major. No more than 25 percent of the degree may be earned through the prior learning portfolio process. In a 120-semester-hour program, this limit is 30 semester hours. Credit earned through the prior learning portfolio is ungraded and does not affect the student's grade point average. Portfolio credit does count as ETSU residence credit.

**Bachelor of Applied Science (B.A.S.)**

P.O. Box 70659 Phone: 423/439-4223

916 W. Maple St.

The Bachelor of Applied Science (B.A.S.) degree is designed to offer students with Associate of Applied Science (A.A.S.) degrees in technical fields the opportunity to obtain a baccalaureate degree by using more of their A.A.S. hours than normally transfer to a four-year institution. It is not intended for students with degrees in health-related areas where articulation agreements with ETSU already exist. The B.A.S. is an individualized program that allows students to design a program of study that best meets their needs for professional development and career enhancement.

**Admission Requirements**

1. Students must have the A.A.S. degree in a field that does not have an articulated program with ETSU.
2. Students apply to ETSU and must meet ETSU general admission requirements.
3. Upon acceptance to ETSU, students complete an admissions interview with a B.A.S. advisor.
4. The B.A.S. advisor recommends admission or denial to the Associate Dean, Division of Cross-Disciplinary Studies.
5. The Associate Dean accepts or denies admission.

**Curriculum Requirements**

1. General Education Core Requirements:

- **ENGL 1010** Critical Reading & Expository Writing ....................... 3
- **ENGL 1020** Critical Thinking & Argumentation .......................... 3
- **MATH** ........................................................................ 3-4
- **CSCI 1100** Using Information Technology ............................... 3
- **Science** ...................................................................... 4
- **HIST 2010** The United States to 1877 .................................... 3
- **HIST 2020** The United States since 1877 ............................... 3
- **Arts and the Artistic Vision** ........................................... 3
- **Identity, Ethics and Social Responsibility** ............................. 3
- **Institutions and Society** .................................................. 3
- **Institutions and Society** .................................................. 3
- **Humanities Elective** ...................................................... 3

**General Education Core Total** ............................................ 44-45

The Bachelor of Applied Science (B.A.S.) degree is designed to offer students with Associate of Applied Science (A.A.S.) degrees in technical fields the opportunity to obtain a baccalaureate degree by using more of their A.A.S. hours than normally transfer to a four-year institution. It is not intended for students with degrees in health-related areas where articulation agreements with ETSU already exist. The B.A.S. is an individualized program that allows students to design a program of study that best meets their needs for professional development and career enhancement.
Additional graduation requirements:
PHED Fitness ................................................................. 1
PHED Lifetime ............................................................... 1
Proficiency intensives

3. A.A.S. degree transfer hours. Up to 60 credits from the student's A.A.S. degree may be applied to the B.A.S. degree.

4. Gateway Courses. Gateway courses are five ETSU courses required by all B.A.S. students, including the following: ENGL 1020, MATH 1530, and HIST 2010 and/or advisor approved courses. (These courses all apply to the student's degree.) Each course must be completed with the minimum 2.0 prior to petitioning to earn credit for the following technical specialty courses from their A.A.S. degree.

After completion of all Gateway courses as required, the B.A.S. advisor will complete a form to petition for credit for up to 30 technical specialty hours to be used in the degree program. These hours will be assigned to special categories used only for this degree. The advisor will determine how these hours may be applied to the student's program.

4. Technical Specialty. Technical courses from A.A.S. degree that did not have direct transfer. In order to petition to earn credit for up to 30 of these hours, students must have met two conditions: (1) completion of all Gateway courses with minimum 2.0 in each course and (2) a minimum overall 2.0 GPA for all ETSU work.

5. Professional Development Concentration. This consists of either: (1) an existing ETSU minor (Minors that require fewer than 27 hours must be complemented with approved electives to total 27 hours.) OR (2) a self-designed program. This option must include a total of 30 hours of upper-division coursework (3000/4000 level) in total degree program.

6. General Electives. Approved electives to complete 120 total hours.

7. All other graduation requirements of the university must be met. See index for listing of these requirements in front section of the catalog.

8. Total Credits. 120 credits required.

Bachelor of Science in Interdisciplinary Studies (B.S.I.S.)
A Regents Online Degree Program (RODP) at ETSU
P.O. Box 70659  Phone: 423/439-4223
916 W. Maple St.

The web-based Bachelor of Science in Interdisciplinary Studies (B.S.I.S.) is part of the TBR Regents Online Degree Program (RODP) that began fall 2001. It is designed especially to meet the needs of those whose access to higher education has been limited. This population is generally composed of returning adult students whose work, geographical restriction, family obligation, and/or other confinements have made difficult and unlikely attendance in traditional courses on campus. It is intended for adults who have completed an associate degree, or at minimum, some college credit. The B.S.I.S. is not designed for those who have previously earned another four-year degree. The B.S.I.S. features the opportunity for students to integrate personal and professional growth through the exploration of perspectives, philosophies and experience in a variety of disciplines. Additionally, it requires two areas of concentration where the student may choose a minor or 12 hours of related coursework appropriate to their educational and professional goals. This degree may be obtained totally online or in a combination of traditional classroom and online courses.

Admission Requirements
1. Students apply to ETSU and must meet ETSU general admission requirements.
2. Upon acceptance to ETSU, students complete an admissions interview with a B.S.I.S. advisor. The interview may be completed over the telephone or through some other electronic means. The purpose of the interview is to determine whether the B.S.I.S. is the best program for the students, or if the student would be better served by another degree program.

3. Students must complete the Cross-Disciplinary Studies application.
4. The B.S.I.S. advisor recommends admission or denial to the Associate Dean, Division of Cross-Disciplinary Studies.
5. The Associate Dean accepts or denies admission.

Curriculum Requirements

1. General Education Core Requirements. Students may choose regular ETSU general education core courses or RODP general education core courses that are currently developed.*
   - ENGL 1010 Critical Reading & Expository Writing ................. 3
   - ENGL 1020 Critical Thinking & Argumentation .................. 3
   - MATH ................................................................. 3-4
   - CSCI 1100 Using Information Technology ....................... 3
   - Science .................................................................... 8
   - HIST 2100 The United States to 1877 .............................. 3
   - HIST 2200 The United States since 1877 ............................ 3
   - Heritage ..................................................................... 3
   - Arts and the Artistic Vision ............................................... 3
   - Identity, Ethics and Social Responsibility ....................... 3
   - Institutions and Society ................................................ 6
   - Humanities Elective ...................................................... 3
   - General Education Core Total ...................................... 44-45

   Additional graduation requirements:
   - PHED Fitness ....................................................... 1
   - PHED Lifetime ..................................................... 1
   - Proficiency intensives

   * Current RODP general education core courses:
   (All RODP courses are identified with R50 as the section number)
   - ENGL 1010 English Composition I (Writing) .................... 3
   - ENGL 1020 English Composition II (Writing) .................. 3
   - MATH 1530 Probability/Stats (Non-calc)(Using Math) ...... 3
   - BIOL 1010 Biology for non-majors I (Science) ............... 4
   - BIOL 1020 Biology for non-majors II (Science) .......... 4
   - HIST 2100 Survey of U.S. History I (Heritage) ............... 3
   - HIST 2200 Survey of U.S. History II (Heritage) .......... 3
   - ENGL 2110 Survey of American Lit (Heritage) ............... 3
   - ENGL 2410 Lit of Western World (Heritage) .................. 3
   - ART 1030 Art Appreciation (Arts and Artistic Vision) .... 3
   - MUS 1030 Music Appreciation (Arts and Artistic Vision) ... 3
   - ECON 2030 Survey of Economics (Institutions and Society) 3
   - PSY 101 General Psychology ........................................ 3
   - SOC 1010 Intro to Sociology ......................................... 3

   NOTE FOR RODP MAJORS (B.S.I.S. and B.S.P.S.) ONLY:
   a. BIT 1150 R50, Intro to Microcomputers, may be used to fulfill the CSCI 1100 requirement.
   b. HMSE 1100 R50, Concepts of Fitness and Wellness, may be used to fulfill the physical education requirement. If a student changes majors, these courses will not fulfill the regular graduation requirements.

   2. Two Concentrations. The student will complete two concentrations of his/her choice. Each concentration is a minimum of 12 hours of related coursework in the same discipline. There may be no duplication of courses between the two concentrations. An approved ETSU minor may be substituted for a concentration.

   3. Guided electives. The student will complete up to 51 hours of advisor-approved elective courses.

   4. Upper division requirement. 34 hours of the student’s entire B.S.I.S. degree program must be at the 3000/4000 levels.
5. All other graduation requirements of the university must be met. See index for listing of these requirements in front section of the catalog.
6. Total Credit Hours. A total of 120 credit hours are required.

Bachelor of Science in Professional Studies (B.S.P.S.)
A Regents Online Degree Program (RODP) at ETSU
P.O. Box 70659 Phone: 423/439-4223
916 W. Maple St.

The web-based Bachelor of Science in Professional Studies (B.S.P.S.) is part of the TBR Regents Online Degree Program (RODP) that began fall 2001. It is designed especially to meet the needs of those whose access to higher education has been limited. This population is generally composed of returning adult students whose work, geographical restriction, family obligation, and/or other confinements have made difficult and unlikely attendance in traditional courses on campus. It is intended for adults who have completed an associate degree, or at minimum, some college credit.

The B.S.P.S. is not designed for those who have previously earned another four-year degree. Students will choose to complete one of two concentrations: information technology or organizational leadership. The information technology concentration provides knowledge of the information management systems field and prepares students to work in most information systems departments in business, industry or government. The organizational leadership concentration provides the students the opportunity to learn and develop skills in management and communication for work in various management areas. This degree may be obtained totally online or in a combination of traditional classroom and online courses.

Admission Requirements
1. Students apply to ETSU and must meet ETSU general admission requirements.
2. Upon acceptance to ETSU, students complete an admissions interview with a B.S.P.S. advisor. The interview may be completed over the telephone or through some other electronic means. The purpose of the interview is to determine whether the B.S.P.S. is the best program for the student, or if the student would be better served by another degree program.
3. Students must complete the Cross-Disciplinary Studies application.
4. The B.S.P.S. advisor recommends admission or denial to the Associate Dean, Division of Cross-Disciplinary Studies.
5. The Associate Dean accepts or denies admission.

Curriculum Requirements
1. General Education Core Requirements. Students may choose regular ETSU general education core courses or RODP general education core courses that are currently developed.*

<table>
<thead>
<tr>
<th>Course Code</th>
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General Education Core Total: 44-45 credits

Additional graduation requirements:
- PHED Fitness ................................................................. 1
- PHED Lifetime ............................................................. 1
- Proficiency intensives

* Current RODP general education core courses:
(All RODP courses are identified with R50 as the section number)

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NOTE FOR RODP MAJORS (B.S.I.S. and B.S.P.S.) ONLY:
- a. BIT 1150 R50, Intro to Microcomputers, may be used to fulfill the CSCI 1100 requirement.
- b. HMSE 1100 R50, Concepts of Fitness and Wellness, may be used to fulfill the physical education requirement.

If a student changes majors, these courses will not fulfill the regular graduation requirements.

2. Professional Core. The professional core is a total of 18 hours. The student chooses one course from each of the following six areas:
   Area One: Administration and Supervision (3 credits)
   - Principles of Administration
   - Public Administration
   - Principles of Management and Organization Behavior
   Area Two: Organizational Systems (3 credits)
   - Non-profit Organizations
   - Complex Organizations and Occupations
   - Organizational Theory and Behavior
   - Nursing Management
   - Organizational Theory and Development
   Area Three: Teamwork and Organizational Relationships (3 credits)
   - Organizational Communication
   - Small Group Communication
   - Integrated Corporate Communication
   - Psychology of Stress Management
   - Developing Volunteer Programs
   - Professional Development
   Area Four: Statistical Methods (3 credits)
   - Social Statistics
   - Applied Sociology
   - Introduction to Social Research
   - Basic Statistics for Behavioral Science
   Area Five: Written Communications (3 credits)
   - Technical and Professional Writing
   - Computers, Writing, and Literature
   - Professional Communication I
   - Professional Writing
   - Software and Technical Writing
   - Technical Communication
   - Written Professional Communication
Area Six: International Context (3 credits)
  International Relations
  International Communication
  Latin America: The Country and Peoples
  International Law
  Sociology of Mass Communication
  International Health: Problems and Issues
  International Political Economy
  Mass Media and Cultures

3. Concentrations. Students will choose to complete one of the following 24-credit concentrations.

Information Technology (24 credits)
  Intro to Management Information Systems .................................... 3
  Files/Operating Systems (Systems Analysis Methods) .................. 3
  Database Management .................................................................. 3
  Network Design and Management .............................................. 3
  Software - Analysis and Design .................................................. 3
  Internship or 6 credits of Approved Coursework ............................ 6
  Capstone .................................................................................... 1-3

OR

Organizational Leadership (24 credits)
  Management of Human Resources ............................................. 3
  Sociology of Occupations ......................................................... 3
  Legal Environment ..................................................................... 3
  Interpersonal Communication .................................................... 3
  Psychology of Personality ........................................................... 3
  Internship or 6 credits of Approved Coursework ............................ 6
  Capstone .................................................................................... 1-3

NOTE: Courses continue to be developed for the above, so titles only are listed at this time.

4. Guided Electives. The maximum total of electives is 33 hours.

5. All other graduation requirements of the university must be met. See index for listing of these requirements in front section of the catalog.

6. Total Credit Hours. A total of 120 credit hours are required.
Students holding the bachelor's degree who want to become eligible for initial classroom teacher licensure in special education must meet all requirements for admission to teacher education as well as other requirements for the bachelor's degree for teachers. In all other licensure areas, the College of Education requires the completion of an appropriate master's degree for initial certification of individuals who hold a non-teaching baccalaureate degree. For further information consult the professional advisor of the College of Education, 321 Warf-Pickel Hall.

Responsibilities of the College of Education include planning, coordinating, and implementing all university teacher education programs leading to initial or advanced preparation of public school teachers or school service personnel; providing professional services as requested by schools in the service area of the university; providing or assisting in the provision of appropriate in-service and professional development activities as requested; and planning and conducting research and development studies growing out of needs identified in academic programs or in the public schools.

Non-teaching Programs

In addition to those majors and concentrations leading to teacher licensure, the College offers additional majors and concentrations that do not have a teaching focus. The Department of Human Development and Learning offers three non-teaching concentrations. These are the early childhood development (general) concentration in the early childhood development major (jointly with the Department of Applied Human Sciences), the human development and learning (career) concentration in the human development and learning major, and the special education (non-teaching) major: The Department of Physical Education, Exercise and Sport Sciences offers two non-teaching concentrations. These are: a) exercise science and b) sports management and leisure services. Admission to these concentrations may take place at the time of admission to the university. Advisement is provided by faculty in the respective departments.

Center for Early Childhood Learning and Development

The Center for Early Childhood Learning and Development operates a model early childhood program for both infants and toddlers and an early learning program for children ages 3, 4, and 5. The programs are designed to include both normally developing and young children with disabilities. The center is used in preparing students to work in early childhood development and other related areas. Students may observe and participate in both center programs. For additional information call 439-7555.

Pre-Teacher Education – Declaration of Intent

All ETSU students desiring to complete a teacher education or other public school licensure program (for initial licensure, add-on endorsement, or advanced study in education) must file a Declaration of Intent in the Office of Student Services, 321 Warf-Pickel Hall. The Declaration of Intent should be filed before 30 semester hours of coursework have been completed or, in the case of transfer and post-baccalaureate students, in the first semester at ETSU. Delay or failure to file the Declaration of Intent may result in incomplete advisement. Students who have not filed the Declaration of Intent will not be considered for admission to teacher education and may be ineligible to enroll in many professional education courses.
Who must file a Declaration of Intent?

- undergraduates pursuing first-time teaching licensure
- transfer students pursuing first-time teaching licensure
- post-baccalaureate students pursuing first-time teaching licensure or additional endorsements; and
- students enrolled in master's degree programs desiring to earn teacher licensure or additional public school endorsement

Admission to Teacher Education

Students admitted to Teacher Education must:

1. Make formal application to the College of Education Teacher Education Program.
2. Complete 30 semester hrs. of General Education courses including the following: Writing (6 hrs.); Sciences (8 hrs.); Using Mathematics (3 hrs.); and 13 additional hours chosen from Using Information Technology; Heritage; Institutions and Society; Arts and Artistic Vision; Identity, Ethics and Social Responsibility; and Humanities.
3. Achieve a GPA of at least 2.50 on all general education coursework attempted as reflected in the calculated grade point average, excluding Developmental Studies courses.
4. Meet standardized test requirements (either ACT composite score of at least 22, or S.A.T. combined score of at least 920 (1020 if taken after 4/1/95); or minimum Praxis I scores for Reading (174, PPST or CBT), for Math (173, PPST or CBT), and for Writing (173, PPST or CBT).
5. Submit a portfolio as initiated in EDFN 2100 Orientation to the Profession of Education.
6. Complete a successful interview with the College of Education Admission Board.
7. Demonstrate good moral character and freedom from any condition that would impair effectiveness as a teacher.
8. Complete EDFN 2100 Orientation to the Profession of Education with a grade of “C” or better and EDFN 2300 Foundations for Teaching with a grade of “C” or better. (Early Childhood majors must complete AHSC 2120 Foundations for Early Childhood with a grade of “C” or better.)

Because of the nature of the program, the university reserves the right to change the requirements in the teacher education program at any time when it is needed to meet state licensure standards.

Following admission to teacher education, students may declare a major in early childhood education, interdisciplinary studies, physical education (K-12 licensure), or special education.

1Applicants will achieve passing scores on an approved speech and hearing test and sign a notarized statement of character.

Directed Student Teaching

All requirements for unconditional admission to teacher education must have been completed before enrolling in student teaching. Prior to admission to student teaching, students shall declare the areas in which they seek recommendation for licensure. Students will be placed in their major fields as well as other areas in which recommendation for licensure is sought with the approval of the appropriate department. ETSU will not recommend initial endorsement for areas that have not been declared before directed student teaching.

Students declaring a second field must have completed at least two-thirds of this requirement, as well as lower-division cognate courses, before being eligible for directed student teaching.

Applications for admission to the directed teaching program should be submitted to the Director of Field Services, 321 Warf-Pickel Hall, during the first week of the semester preceding the semester in which placement is requested. Students will not normally be placed earlier than one full semester following official acceptance of the application. Applications will be processed according to filing date. Students who delay applying for admission to teacher education, who delay in completing requirements, or who delay in applying for student teaching should be aware that they will be considered for placement on a space-available basis only.

Applications should indicate preference for placement in the locations being used in the semester concerned. However, the university reserves the right to exercise its best judgment in final determination of student placement based on student performance, teaching situations available, the number of applicants for a specific instructional area, and personal hardships.

A minimum academic average of 2.50 overall, in professional education courses (with no grade below “C-”), and in all areas for which endorsement is sought (with no grade below “C-”) is required for admission to student teaching. Candidates who student teach beginning fall 2001 are required to meet state mandated test score requirements on the Praxis II (formerly NTE) examination no later than two weeks prior to student teaching.

Applications must be endorsed by the major department not only for academic qualifications but also for physical, moral, and emotional health qualities appropriate to the teaching profession. If a second field is sought, the applicant must also have the endorsement of that department.

Questions regarding clarification of these policies should be referred to the Director of Field Services.

Licensure

Elementary teacher education students must complete the approved sequence of courses described in the Department of Curriculum and Instruction section.

Secondary teacher education students at East Tennessee State University must complete an approved teaching major or an approved teaching concentration. If other areas of licensure are sought, the appropriate approved program must be completed.

The initial Tennessee teacher’s license will be issued only to those applicants who have completed a teacher preparation program in a Tennessee higher education institution approved by the Tennessee State Board of Education for the preparation of teachers in the area of licensure sought.

If the initial license is not obtained following completion of the approved program, requirements in effect at the time of application must be satisfied. In all cases, current state licensure requirements must be met regardless of when the student enters the program.

A person who holds a Tennessee Teachers Professional License may add teaching area endorsements by completing teacher education programs after the original license has been issued. Such programs include the addition of a secondary endorsement to an elementary license or the addition of an elementary endorsement to a secondary license. A person who holds a Tennessee Teachers Professional License and wishes to add an endorsement in another teaching area should contact the licensure analyst, room 321, Warf-Pickel Hall.

Requirements are established by the Tennessee State Board of Education for renewal of any type of license it issues. Such requirements include teaching experience and credit earned after issuance of the license.

The Tennessee State Board of Education has adopted regulations regarding the issuance of an initial license or adding an endorsement to such license for persons having completed a program in an out-of-state institution. The procedure for such applicants is prescribed by the State Board of Education. Application for initial licensing based on such programs should be made directly to:
East Tennessee State University

Tennessee Department of Education
Office of Teacher Licensing
5th Floor, Gateway Plaza
710 James Robertson Parkway
Nashville, TN 37243-0377
(615) 332-4885.

All applicants for a teaching license in Tennessee must submit satisfactory scores on specified Praxis II tests. Applicants should request that a copy of their test scores be sent to:

College of Education
East Tennessee State University
Recipient Code #1198

Request current information about Tennessee test requirements at the Office of Education Student Services, room 321, Warf-Pickel Hall. Praxis Registration Bulletins are available at the University Testing Center, Room 428, Warf-Pickel Hall.

Following is a list of the teacher education programs leading to initial licensure that East Tennessee State University is approved to offer:

**Licensure Fields**

- Elementary Education K-8
- English 7-12
- Foreign Language 7-12 (French, German, Spanish)
- Mathematics 7-12
- Psychology 9-12
- Science 7-12 (Biology, Chemistry, Physics, Earth Science)
- Social Studies 7-12 (History, Government/Political Science, Geography, Economics)
- Sociology 9-12
- Speech Communication 7-12
- Vocational Consumer Homemaking 5-12
- Technology Education 5-12
- Visual Arts K-12
- Music Education K-12 (Vocal, Instrumental)
- Theatre K-12
- Special Education
  - Modified K-12
  - Comprehensive K-12
    - Preschool/Early Childhood PreK-1
    - Speech/Language Pathology PreK-12 (master’s program, only)
- Health K-12
- Physical Education K-12
- Early Childhood Education PreK-4
- School Social Worker

In addition to the above programs for initial licensing, the college offers “add-on” endorsements in many of these areas, occupational home economics, and reading. An appropriate initial license must be verified in order to apply for an “add-on”. Consult the licensure analyst for information about specific programs.

The college also offers extensive graduate work, including school licensing programs in counseling and administration. Consult the Graduate Catalog for details.

**Department of Curriculum and Instruction**

(CUAI, MEDA, READ, SCED)

P.O. Box 70684
Phone: 423/439-7587

Chair: Dr. Karilee Freeberg
Phone: 423/ 439-7595
E-mail: freeber@mail.etsu.edu

Chair: Dr. Edward J. Dwyer
Phone: 423/ 439-7593
E-mail: dwyer@mail.etsu.edu

The Department of Curriculum and Instruction offers approved teacher education programs that lead to a bachelor of arts or a bachelor of science degree and licensure in the state of Tennessee. A program is offered in interdisciplinary studies (elementary education K-8), as well as courses leading to licensure in fields of secondary education and K-12 teacher education. A master of arts in teaching degree is offered for liberal arts graduates to obtain teaching licenses at either the elementary or secondary level.

**Interdisciplinary Studies**

(ISED/Elementary Education K-8)

Teacher education students admitted to Interdisciplinary Studies prior to fall 2000 complete the program of study for the major and licensure under the catalog of entry. Specific general education core courses are mandated for all students who wish to complete the interdisciplinary studies program.

1. General Education Requirements ............... (44 Credits)
   A. WRITING .............................................................. (6 credits)
      ENGL 1010 Critical Reading & Expository Writing ................. 3
      ENGL 1020 Critical Thinking & Argumentation .................... 3
   B. USING MATHEMATICS ............................................. (3 credits)
      MATH 1530 Probability & Statistics ................................ 3
      (Non-Calculus)
   C. USING INFORMATION TECHNOLOGY .................. (3 credits)
      CSCI 1100 Using Information Technology ......................... 3
      or passing grade on challenge examination
   D. SCIENCE ............................................................. (8 credits)
      BIOL 1020-1021 Biology for Non-Majors & Lab ................... 4
      CHEM 1030 Intro. to Chemistry Survey .......................... 4
   E. HERITAGE ............................................................ (9 credits)
      HIST 2010 The United States to 1877 ......................... 3
      HIST 2020 The United States 1877-Present...................... 3
      ENGL 2330 World Literature* .................................... 3
   F. ARTS AND THE ARTISTIC VISION .................... (3 credits)
      Select one of the following:
      ARTA 2120 Art History Survey ................................. 3
      MUSC 1030 Introduction to Music ............................... 3
      PEXS 3500 Dance As a Human Experience* ................... 3
   G. IDENTITY, ETHICS & SOCIAL RESPONSIBILITY . (3 credits)
      Select one of the following:
      SOAA 2020 Social Problems and Human Values ............. 3
      PHIL 2020 Values and Society ................................ 3
   H. INSTITUTIONS AND SOCIETY ......................... (6 credits)
      PSCI 1120 Intro. to Amer. Gov. .................................. 3
      And one of the following:
      ECON 1050 Economics & Society ............................... 3
      GEOG 1012 Intro. to Cultural Geog * ......................... 3
      PSYC 1310 Intro. to Psychology ............................... 3
      SOAA 1240 Intro. to Cultural Anthropology * ................ 3

2003-2004 Undergraduate Catalog 145
I. HUMANITIES ELECTIVE ......................................... (3 credits)

Select one of the following:
PHIL 2640 Science and the Modern World ..................... 3
ENTC 3020 Technology and Society ............................. 3
ENGL 3280 Mythology .................................................. 3
PHIL 2210 Intro to the Study of Religion ......................... 3

*Students must take three of these courses to fulfill requirements for multicultural content and global perspectives.

NOTE: In order for students in the Interdisciplinary Studies program to have experience in cultural diversity and global perspectives, they must select as part of the general education requirement:

Three courses from the following:
ENGL 2330 World Literature ......................................... 3
HIST 1110 World Hist. & Civ. to 1500 ............................ 3
HIST 1120 World Hist. & Civ. Since 1500 ....................... 3
HUMT 2320 Intro to Humanities II ............................... 3
PEXS 3500 Dance as Human Experience ....................... 3
WMST 2010 Introduction to Women’s Studies ................ 3
GEOG 1012 Introduction to Cultural Geography .............. 3
SOAA 1240 Cultural Anthropology .................................. 3

One course from the following:
PHIL 1030 Self and World ............................................ 3
PHIL 2020 Values and Society ...................................... 3
PHIL 2040 Philosophy as Conversation ......................... 3
PHIL 2210 Intro. to the Study of Religion ....................... 3

II. PROFESSIONAL EDUCATION
CURRICULUM ......................................................... (66 credits)
EDFN 2100 Orientation to the Prof. of Educ. ......................... 1
EDFN 2300 Foundations for Teaching ............................... 3
EDFN 3301 Issues in Education ...................................... 3
EDFN 4955 Research, Eval. & Assessment K-8 ............... 3
HDAL 3310 Educational Psychology ............................... 3
HDAL 4517 Family, Community, School K-8 ................ 3
SPED 2300 Except. Lms. Sch./Comm. ............................. 3
CUAI 2440 Computer Applications in Education .......... 3
MEDA 3570 Educational Technology .............................. 3
READ 3100 Reading Instruction in Elem. Sch. .................. 3
CUAI 4210 Integrated Teaching: Language Arts .............. 3
CUAI 4220 Integrated Teaching: Social Studies ................. 3
CUAI 4230 Integrated Field Experience I ....................... 1
CUAI 4310 Integrated Teaching: Mathematics ................. 3
SCED 4320 Integrated Teaching: Science ...................... 3
CUAI 4330 Integrated Field Experience II ...................... 1
CUAI 4407 Integrating the Creative Arts in K-8 ............. 3
PEXS 3000 Physical Education for Elementary Sch .. 3
CUAI 4707 Classroom Management/Discipline ............... 3
CUAI 4580 Student Teaching ......................................... 12
EDFN 4581 Seminar in Education .................................. 3

Additional Graduation Requirements
PHED 2XXX Lifetime Activity ..................................... 1
PHED 1130 Fitness for Life ........................................... 2

III. Interdisciplinary Studies Major .................... (28-31 credits)
Mathematics ......................................................... (6 credits)
MATH 1410 Number Concepts & Algebraic Struc. ........... 3
MATH 1420 Logic & Problem Solving ............................ 3

Science (7 credits; General Education Science plus courses from the following to total 15 credits)
ASTR 1010 Astronomy I ............................................. 4
or
ASTR 1020 Astronomy ............................................... 4
and
SCED 4020 Wildlife Conservation .................................. 3

Social Studies ......................................................... 6 credits
GEOG 1013 Intro to World Regional Geography .............. 3
ECON 1050 Economics & Society .................................. 3

Language Arts ......................................................... 6 credits
READ 4147 Basic Storytelling and ......................... 3
MEDA 4627 Children’s Material .................................... 3
or
ENGL 4017 Children’s Literature .................................. 3

Psychology ........................................................... (3 credits)
HDAL 2325 Child & Adolescent Development ................. 3

Fine Arts ........................................................... (3 credits)

Choose one which has NOT been taken in General Education Core
PEXS 3500 Dance as Human Experience ....................... 3
ARTA 2020 Art History Survey .................................... 3
MUSC 1030 Introduction to Music ................................ 3

Interdisciplinary Studies Majors interested in 5-8 specialization should contact the professional education advisor in room 321, Warf-Pickel Hall in the College of Education.

Please read carefully the following information:
1. Interdisciplinary Studies Majors are required to complete the Initial Level Portfolio for presentation to the Department of Curriculum and Instruction Admission Board, the Evaluative Level Portfolio presentation at the end of Block I CUA 4230 and the end of Block II CUA 4330, and the Student Teaching Portfolio for presentation to a panel of peers and faculty.

Retention Criteria
1. Review of students’ grades and personal/professional functioning will be undertaken. Coursework, fieldwork, and any other pertinent factors will be considered by the faculty of the Department of Curriculum and Instruction. Recommendations will be made for continuance in the program, continuance with specified remediations, or discontinuance.
2. During the semester prior to student teaching, each student will be evaluated. Factors to be considered will be coursework, field experiences, ethical behavior, and personal/professional concerns. The review will culminate in either approval for entry into student teaching or disapproval. A disapproval will result in a conference with the student and a description of necessary remedial steps. All remedial conditions must be removed prior to student teaching.

Interdisciplinary Studies
Four-Year Curriculum Model
Suggested Semester Schedule

Freshman - Fall Semester

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<td>CSCI 1100</td>
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<tr>
<td>MATH 1530</td>
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Freshman - Spring Semester

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### Sophomore - Fall Semester

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**TOTAL** 18

### Sophomore - Spring Semester

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**TOTAL** 18

### Junior - Fall Semester

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### Junior - Spring Semester

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**TOTAL** 15

### Senior - Fall Semester

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**TOTAL** 16

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**TOTAL** 13

### Fall of Fifth Year

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**TOTAL** 15

### Areas of Familiarity

- Science (S) .............................................. 8
- Heritage (H) ............................................. 9
- Arts and the Artistic Vision (A) .................. 3
- Identity, Ethics, and Social Responsibility (E) 3
- Institutions and Society (I) ...................... 6
- Humanities Elective .................................. 3

**Total in Core** ........................................... 41-44

In order to provide experience in cultural diversity and global perspectives, secondary and K-12 teacher education students must select as part of the general education requirement:

- Three courses from the following:
  - ENGL 2330 World Literature .................................................. (3)
  - HUMT 2320 Introduction to Humanities ................................ (3)
  - PEXS 3500 Dance as Human Experience ............................... (3)
  - WMST 2100 Introduction to Women's Studies ......................... (3)
  - GEOG 1012 Introduction to Cultural Geography ..................... (3)
  - HIST 1110 World History & Civ. to 1500 ............................... (3)
  - HIST 1120 World History & Civ. Since 1500 ........................... (3)

Please read carefully the following information:

1. Students are required to complete the Initial Level Portfolio for presentation to the Department of Curriculum and Instruction Admission Board, the Evaluative Level Portfolio presentation at the end of CUAU 4427/5427, and the Student Teaching Portfolio for presentation to a panel of peers and faculty.

### Retention Criteria

1. Review of students' grades and personal/professional functioning will be undertaken. Coursework, fieldwork, and any other pertinent factors will be considered by the faculty of the Department of Curriculum and Instruction. Recommendations will be made for continuance in the program, continuance with specified remediations, or discontinuance.
2. During the semester prior to student teaching, each student will be evaluated. Factors to be considered will be coursework, fieldwork,
experiences, ethical behavior, and personal/professional concerns. The review will culminate in either approval for entry into student teaching or disapproval. A disapproval will result in a conference with the student and a description of necessary remedial steps. All remedial conditions must be removed prior to student teaching.

READING (READ)

The Reading Program offers courses in reading and storytelling that are required for licensure. Elective courses at the undergraduate level are provided for those interested in any aspect of teaching reading.

SCIENCE EDUCATION (SCED)

The Science Education Program offers an approved teacher education program leading to 7-12 licensure in a primary discipline such as biology, chemistry, physics, or earth science. After completing the program for one of the approved disciplines, the student would be eligible for licensure in the primary discipline, middle school science (7th and 8th), and physical science. Please note that a minor is required.

The entire program consists of the general education core for secondary and K-12 teachers, the professional education requirements, the general science basic core, and a specialization in one of the basic sciences. Students should confer with the appropriate discipline advisor, the science education advisor, and the College of Education professional advisor.

Educational Media and Educational Technology (MEDA)

The Educational Media and Educational Technology program offers courses in both school library media and technology. The Educational Media and Educational Technology program offers coursework required for school library media specialist licensure for the state of Tennessee.

Department of Human Development and Learning (ECED, EDFN, HDAL, SPED)

P.O. Box: 70548 Phone: 423/439-7688

Chair: Dr. Patricia Robertson Phone: 423/439-7688 E-mail: robertpe@mail.etsu.edu

Human Development and Learning offers programs that focus on the application of development, learning, and other psychological principles in a wide variety of settings including home, school, and community. Courses in the behavioral sciences are provided both for majors and students in other academic areas. Areas of emphasis include developmental, educational, and applied psychology, psychological assessment, counseling, early child development, and special education.

The Department of Human Development and Learning offers three undergraduate programs leading to the bachelor of science degree: early childhood development, human development and learning, and special education. The department offers individuals holding professional teaching certification an opportunity to add an endorsement in special education and early childhood. Also offered are programs leading to the master of arts and master of education degrees in early childhood, school counseling, marriage and family therapy, community agency counseling, and special education.

Students failing to demonstrate ethical and/or professional behaviors, as required by either the appropriate professional associations and/or the National Educational Association, upon review and substantiation (with due process), may be denied continuance in departmental programs. If intervention is indicated and completed, the student may petition the department for readmission.

Special Education (SPED)

P.O. Box 70548 Phone: 423/439-7688

Program Coordinator: Dr. J. Woody Johnson Phone: 423/439-7902 E-mail: johnsoj@mail.etsu.edu

Students receiving a B.S. in special education (SPED) will obtain licensure in both the Modified and Comprehensive concentrations. This licensure in the state of Tennessee enables students to teach K-12. The Modified concentration will enable students to provide direct services in resource room and inclusive classroom settings and consultative services to teachers in regular classroom settings. The Comprehensive concentration enables students to provide direct intensive services in more restrictive settings such as a self-contained classroom or a segregated setting. Students may earn a bachelor's degree after four years.

In addition to initial licensure at the baccalaureate level, post-baccalaureate programs are provided for adding a special education endorsement to existing education licenses. Licensure in Early Childhood special education is available at this level. This license will enable professionals to provide intervention services to children with developmental delays and their families.

Special education licensure programs in Tennessee are non-categorical covering mental retardation, learning disabilities, physical and multiple handicapped, emotionally disturbed, and gifted/talented. Students planning to teach in those states requiring categorical certification should meet with their advisor(s) to plan their programs according to the certification/licensure requirements of those states.

The non-teaching major and minor in special education assist persons preparing to work in ancillary positions, or who desire to learn more about special education programs/practice, but who are not planning to become classroom teachers. They do not lead to teacher licensure.

Special education programs require a minimum of 120 clock hours in the field prior to the student teaching experience. Mentor teachers, as well as university supervisors, will be involved in the assessment of each prospective student teacher's overall competency in actual classroom settings. Records are maintained and skills and competencies are evaluated following each field experience. Students who have difficulties in field experiences may be required to complete additional hours in the field.

Admission, Student Teaching, and Retention Standards

Admission Procedures

Students must meet the requirements for admission to teacher education as developed by the College of Education. Students majoring in special education, who desire admission to teacher education, must also meet the following conditions:

1. Successful completion of 30 semester hours of general education core, which includes completion of all English, Math, and Science coursework.
2. Grade point average of at least 2.5 in the above coursework.
3. Acceptable ACT, SAT, or PPST scores. (See standards as specified by the College of Education.)
4. Submission of a brief (2-3 pages) typewritten statement addressing reasons for choosing special education as a major field.
5. An interview with a panel, consisting of faculty from the special education program and representatives from community school districts.
6. Completion of EDFN 2100 and EDFN 2300 with a grade of C or better.

Following a review of the above by the special education faculty, the student will complete any additional coursework or remediation outlined by the SPED faculty. Admission to SPED is provisional.

Retention Criteria

1. Maintenance of 2.5 GPA in all coursework.
2. Special education courses with grades lower than C (2.0) must be repeated. In computing SPED grade point average (GPA) all grades received will be included.
3. Review of students’ grades and personal/professional functioning will be undertaken each semester. The SPED faculty will consider coursework, fieldwork, and any other pertinent factors. Recommendations will be made at this time for continuance in the program, continuance with specified remediations, or discontinuance.
4. During the semester before the student teaching/internship experience, each student will be evaluated. Factors to be considered will be coursework, field placement experiences, ethical behavior, and personal/professional concerns as described in the International Council for Exceptional Children code of ethics. The review will culminate in either approval for entry into the student teaching/internship in SPED, or disapproval. A disapproval will result in a conference with the student and a description of the necessary remedial steps. All remedial conditions must be removed prior to the student teachingclinical internship experience.

Student Teaching Criteria

Students wishing to apply for student teaching in special education must meet the following conditions:
1. Admission to Teacher Education.
2. Completion of all educational and special education methodology classes.
3. Grade point average of at least 2.5 in all coursework.
4. Grades of “C-” or better in all special education coursework.

GRADUATION REQUIREMENTS

General Education Requirements

Refer to the ETSU general education core of 41-44 semester hours as outlined previously in this catalog. When meeting the General Education Requirements, students must take three of the following eight courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2330</td>
<td>World Literature</td>
<td>3</td>
</tr>
<tr>
<td>PEXS 3500</td>
<td>Dance as Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>WMST 2010</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1012</td>
<td>Introduction to Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 1240</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>HUMT 2320</td>
<td>Intro. to the Humanities II: 1600 to present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1110</td>
<td>World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1120</td>
<td>World History Since 1500</td>
<td>3</td>
</tr>
</tbody>
</table>

Additionally, when meeting the General Education Requirements, students must take one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 1030</td>
<td>Self and World</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2020</td>
<td>Values and Society</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2040</td>
<td>Philosophy as Conversation</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2210</td>
<td>Introduction to the Study of Religion</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFN 2100</td>
<td>Orientation to Profession of Teaching</td>
<td>1</td>
</tr>
<tr>
<td>EDFN 2300</td>
<td>Foundations for Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>READ 3100</td>
<td>Foundations of Reading OR</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 4150</td>
<td>Literacy in Young Children OR</td>
<td>3</td>
</tr>
<tr>
<td>READ 4437</td>
<td>Reading for Middle &amp; Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2310</td>
<td>Developmental Life-Span Psy.</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPED 2300</td>
<td>Exceptional Learners in Schools and Communities</td>
<td>3</td>
</tr>
<tr>
<td>MEDA 3570</td>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4850</td>
<td>Student Teaching in Special Educ.</td>
<td>12</td>
</tr>
</tbody>
</table>

Additional Program Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 2030</td>
<td>First Aid and Emergency Care</td>
<td>3</td>
</tr>
</tbody>
</table>

Special Education Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 3300</td>
<td>Instructional Methodology in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3350</td>
<td>Medical Aspects in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3400</td>
<td>Behavior Management for Individuals with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3410</td>
<td>Preclinical Experience in Behavior Management</td>
<td>1</td>
</tr>
<tr>
<td>SPED 3445</td>
<td>Assistive Technology</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4477</td>
<td>Assessment in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4487</td>
<td>Collaboration with Families, Agencies, and Schools</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4700</td>
<td>Adaptations &amp; Modifications for the Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4710</td>
<td>Preclinical Experience in Special Ed</td>
<td>2</td>
</tr>
</tbody>
</table>

Special Education Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 3365</td>
<td>Integrating Functional Skills into the Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>CUAI 3430</td>
<td>Methods in Teaching Elementary Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4497</td>
<td>Curriculum in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4725</td>
<td>Management Strategies for Individuals with Severe Behaviors</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4757</td>
<td>Curriculum-Based Assessment</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4750</td>
<td>Instructional &amp; Transitional Services for Adolescents &amp; Young Adults with Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

Nonteaching Minor

SPED 2300, 3350, 4477, plus 9 hours of approved electives

Nonteaching Major

HDAL 3310, SPED 2300, 3322, 3300, 3445, 3350, 4477, 4487, PEXS 3032, plus 6 hours of approved electives (one of which represents an upper division writing-intensive course in addition to EDFN 3301).

Suggested Course Sequence for All B.S. Majors in Special Education

Suggested Semester Schedule

Freshman - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Crit Read/Expos Writing</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010</td>
<td>U.S. History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>Institutions and Society</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Identity, Ethics, &amp; Social Responsibilities</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>
Freshman - Spring Semester
ENGL 1020 Crit. Think/Argument ........................................... 3
HIST 2020 U.S. History Since 1677 ........................................... 3
CSCI 1100 Using Information Technology ............................... 3
Arts & Artistic Vision .................................................. 3
TOTAL .................................................. 12

Sophomore - Fall Semester
EDFN 2300 Found. for Teaching ........................................... 3
Science ........................................................................ 4
PUBH 2030 First Aid Emergency Care .................................. 3
Humanities Elective .................................................. 3
HDAL 2310 Devel. Lifespans Psy. ........................................... 3
TOTAL .................................................. 16

Sophomore - Spring Semester
HDAL 3310 Educational Psy. .................................................. 3
Institutions and Society .................................................. 3
Heritage ....................................................................... 3
SPED 2300 Exceptional Learners ........................................... 3
READ 3100 Found. of Reading OR ........................................... 3
HDAL 4150 Literacy in Young Child OR ............................... 3
TOTAL .................................................. 16

Junior - Fall Semester
CUAI 3430 Meth. Tech Elem Math ........................................... 3
SPED 3300 Instructional Method ........................................... 3
SPED 3350 Medical Aspects SPED ......................................... 3
SPED 3365 Funct. Skill Instruction ......................................... 3
MEDIA 3570 Educational Technology ..................................... 3
Physical Education .................................................. 1
TOTAL .................................................. 16

Junior - Spring Semester
SPED 3400 Behavior Management ........................................... 3
SPED 3410 Preclinical in Behavior ......................................... 1
SPED 4497 Curriculum in SPED ......................................... 3
SPED 3445 Assistive Technology ........................................... 3
SPED 4477 Special Educ. Assess. ........................................... 3
SPED 4487 Collaboration .................................................. 3
TOTAL .................................................. 16

Senior - Fall Semester
SPED 4700 Adaptations & Modif ........................................... 3
SPED 4710 Preclinical .................................................. 2
SPED 4725 Mgmt. of Severe Behavior ..................................... 3
SPED 4757 Curr. - Based Assess. ........................................... 3
SPED 4750 Transitional Services ........................................... 3
EDFN 3301 Issues in Education ........................................... 3
TOTAL .................................................. 17

Senior - Spring Semester
SPED 4850 Student Teaching SPED ........................................... 12
EDFN 4581 Seminar in Education ........................................... 3
TOTAL .................................................. 15

Early Childhood Development

Program Coordinator: Dr. Laurelle Phillips
Phone: 423/ 439-7903
E-mail: phillips@mail.etsu.edu

The Department of Human Development and Learning in the College of Education and the Department of Applied Human Sciences in the College of Applied Science and Technology offer an interdisciplinary undergraduate program leading to the bachelor of science degree in early childhood development. The program is designed to provide academic preparation in the growth and development of young children (0-9), their families, and environmental factors influencing their development. This major leads to licensure in PreK-4 in the state of Tennessee.

Advising: Each student will be assigned a faculty advisor when he or she enters the early childhood development program. Beyond the major requirements, the students and their advisors will determine the courses needed that are consistent with the students’ professional interests and goals.

MAJOR (ECDV)

Early Childhood Development (PreK-Grade 3 Licensure)

This program in early childhood is designed to meet the state competencies for licensure in PreK-4. It includes courses in early childhood development, a professional education component, and a student teaching experience in both PreK-K and grades 1-4.

General Education Requirements

Refer to the ETSU general education core of 41-44 semester hours as outlined earlier of this catalog. In order to provide experience in cultural diversity and global perspectives, students must take three of the following eight courses:

- ENGL 2330 World Literature
- GEOG 1012 Introduction to Cultural Geography
- HIST 1110 World History & Civilization to 1500
- HIST 1112 World History & Civilization since 1500
- HUMT 2320 Intro. to the Humanities II: 1600 to present
- PEXS 3500 Dance as Human Experience
- SOAA 1240 Introduction to Cultural Anthropology
- WMST 2100 Introduction to Women’s Studies

Additionally, students must take one of the following four courses:

- PHIL 1030 Self and World
- PHIL 2020 Values and Self
- PHIL 2040 Philosophy as Conversation
- PHIL 2210 Introduction to the Study of Religion

Professional Education Requirements:

- EDFN 2100 Orientation to Professional Education .............. 1
- AHSC 2120 Foundations of Early Childhood ....................... 3
- EDFN 3301 Issues in Education ........................................... 3
- HDAL 2310 Developmental Life-Span Psycho ....................... 3
- HDAL 3310 Educational Psychology ..................................... 3
- SPED 3320 Except. Lrnrs. in School & Community .............. 3
- AHSC 4167 Student Teaching: PreK-K ................................ 6
- HDAL 4617 Student Teaching: Primary ............................... 6
- HDAL 4957 Seminar in Student Teaching ............................. 3

Additional Program Requirements:

- PUBH 2030 First Aid and Emergency Care ......................... 3
- PEXS 3032 Psychomotor Development in Young Children .... 3
- READ 4147 Basic Storytelling ........................................... 3
- SADC 4020 Wildlife Conservation ....................................... 3
- CUAI 3430 Elementary Methods of Mathematics ............... 3

Early Childhood Development

- AHSC 1110 Family Development ....................................... 3
- AHSC 2110 Infant/Toddler Child Development ..................... 3
- AHSC 3110 Parent/Child/School Relations ............................. 3
- AHSC 3120 Computers & Technology in Early Childhood .... 1
- AHSC 3140 Guiding Young Children .................................... 3
- SPED 3322 Early Intervention Strategies for the Exceptional Child ........................................... 3
- HDAL 3130 Evaluation of Young Children ............................ 3
- HDAL 3155 Creative Development in Young Child ............... 3
- HDAL 4150 Literacy in Young Children ............................... 3
- HDAL 3117 Learning Environments in Early Childhood .......... 3
- HDAL 4217 Program Planning for Young Children ................ 3
Admission: Any student who chooses to pursue early childhood for licensure in PreK-3 must apply for admission to the Teacher Education Program.

Transfer Students: Transfer students should apply for admission into the program and meet with an early childhood development advisor to plan their program. These students must meet the requirements of the university regarding transfer and program admission.

MAJOR
Early Childhood Development

This is an interdisciplinary degree that combines the early childhood offerings in Applied Human Science and Human Development and Learning. This major is not designed for licensure.

A minimum of 34 hours is required for this program in early childhood development plus a six-hour practicum/field experience. Students must have earned a grade of “C” or higher in all courses included in the undergraduate major in early childhood development. In addition, students need to declare a minor.

Major in Early Childhood Development

AHSC 1110 Family Development .................. 3
AHSC 2110 Infant/Toddler/Child Development ........ 3
AHSC 2120 Foundations of Early Childhood ........... 3
AHSC 3110 Parent/Child/School Relations ... 3
AHSC 3120 Computers & Technology in Early Childhood ...... 1
AHSC 3140 Guiding Young Children .................... 3
SPED 3322 Early Intervention Strategies for the Exceptional Child ............. 3
HDAL 3130 Evaluation of Young Children ............... 3
HDAL 3155 Creative Development in Young Child .......... 3
HDAL 4150 Literacy in Young Children ................. 3
HDAL 4177 Learning Environments in Early Childhood ......... 3
HDAL 4217 Program Planning for Young Children .. 3

Total Hours ...................................................... 34

Practicum/Field Experiences

AHSC 4957 Special Topics in Applied Human Sciences ...... 3
HDAL 4957 Special Topics in Human Development and Learning ......................................................... 3

Total Hours .......................................................... 6

Early Childhood Development (PreK-3) Suggested Program of Study

Suggested Semester Schedule

Freshman - Fall Semester

ENGL 1010 Critical Reading/Expository Writing .................. 3
Institutions and Society .............................................. 3
CSCI 1100 Using Information Technology ................................ 3
Science ........................................................................ 4
PHED - Fitness .............................................................. 1
TOTAL ........................................................................... 17

Freshman - Spring Semester

ENGL 1020 Critical Thinking/Argumentation .................... 3
Identity, Ethics & Social Responsibility ................................... 3
Arts & Artistic Vision .................................................... 3
Institutions and Society ............................................. 3
EDPS 2100 Orientation to Profession of Education ................ 1
Science ........................................................................ 4
TOTAL ........................................................................... 17

Sophomore - Fall Semester

AHSC 2120 Foundations - Early Childhood .................. 3
AHSC 1110 Family Development ................................. 3
AHSC 2110 Infant/Toddler/Child (WI) ......................... 3
HDAL 2310 Developmental Psychology ................. 3
HIST 2010 U.S. History to 1877 ......................... 3
CSCI 1101 Introduction to Spreadsheets .................... 1
PHED - Lifetime ......................................................... 1
TOTAL ........................................................................... 17

Sophomore - Spring Semester

HIST 2020 U.S. History Since 1877 ................. 3
Humanities ................................................................. 3
EDFN 3301 Issues in Education ......................... 3
HDAL 3310 Educational Psychology .................... 3
Heritage ................................................................. 3
AHSC 3140 Guiding Young Children .................. 3
TOTAL ........................................................................... 18

Junior - Fall Semester

HDAL 3155 Creative Development .................. 3
HDAL 3177 Learning Environments ................... 3
SPED 3322 Early Intervention Learners .................... 3
AHSC 3110 Parent/Child/School Relations ............. 3
Institutions and Society ........................................... 3
AHSC 3120 Comp & Tech in Early Childhood .......... 1
TOTAL ........................................................................... 16

Junior - Spring Semester

CUAI 3430 Elementary Methods in Math ............... 3
PUBH 2030 First Aid/Emergency Care .................. 3
SPED 3322 Early Intervention .................................. 3
PEXS 3302 Psychomotor Development ............ 3
HDAL 3130 Evaluation of Young Children ............. 3
TOTAL ........................................................................... 15

Senior - Fall Semester

HDAL 4150 Literacy in Young Child ....................... 3
HDAL 4217 Program Planning - Young Child ........... 3
READ 4147 Basic Storytelling .............................. 3
SCED 4020 Wildlife Conservation ......................... 2
Free Elective ............................................................. 2
TOTAL ........................................................................... 14

Senior - Spring Semester

AHSC 4167 Student Teaching PreK-K .................. 6
HDAL 4617 Student Teaching Primary .............. 6
HDAL 4907 Seminar - Student Teaching PreK-3 .......... 3
TOTAL ........................................................................... 15

TOTAL PROGRAM HOURS ............................................. 129

Minor: A student majoring in this Early Childhood Development non-licensure program must select a minor in another area and meet the requirements of that specific program. A minor may include, but is not limited to, the following:

- Applied Human Science *
- Physical Education
- Social Work
- Public Health
- Special Education
- Music
- Psychology
- Professional Studies
- Art
- Business

* Students who minor in Applied Human Sciences cannot duplicate courses in major and minor.

Minor in Early Childhood Development

AHSC 2110 Infant/Toddler/Child Development .................. 3
AHSC 2120 Foundations of Early Childhood .................. 3
HDAL 2320 Child Psychology .................. 3
AHSC 3110 Parent/Child Relations ............. 3
HDAL 4217 Program Planning or .................. 3
AHSC 1110 Family Development .................. 3
HDAL 3155 Creative Development of Young Child or .......... 3
AHSC 4217 Divorce: Causes and Consequences .................. 3

Total Hours .......................................................... 18

Graduate Study – The Department of Human Development and Learning offers a graduate program leading to a master’s degree in early childhood education. Further information on this program may be obtained from the School of Graduate Studies.
Human Development and Learning (HDAL)

Program Coordinator: Dr. Andi Clements
Phone: 423/439-7682
E-mail: clements@etsu.edu

The program in human development and learning leads to the bachelor of science degree (B.S.). It is designed to provide an applied behavioral science background for persons interested in working with people. It is also suitable for individuals planning to seek licensure as educators and for a wider audience including parents and others who seek a scientific understanding of how humans develop and learn.

Study in human development and learning can serve as a foundation for graduate study in human service fields such as teaching, counseling, and marriage and family therapy. Although it does not lead to professional licensure, it can serve as a knowledge base for careers in human service, human resource development, and jobs in a variety of public and private sector organizations. Also, it can serve as a second area of academic emphasis for individuals majoring in other fields of study.

Students may choose a program of study that includes a minor and electives (at least 128 hours) which leads to the bachelor of science in human development and learning (HDAL). Students seeking teaching licensure may complete the bachelor of science program that includes a minor and electives (at least 128 hours) and subsequently obtain licensure by completing a 15-month (approximately 51-54 hours) master of arts in teaching program.

Admission

1. Students are not formally admitted to the program until they have completed 30 semester hours; however, interested students are encouraged to seek advising earlier. Students seeking advising or admission should see the program coordinator.

2. A broadly based determination of the applicant’s potential for academic and professional success will be made by departmental faculty. Factors considered for admission will include the applicant’s academic record, entrance examination scores, career goals, and communication skills. The following indicators of academic performance will be given particular attention.
   a. Scores on either the ACT or SAT will be considered in the context of the applicant’s high school and college record. Students with ACT subscores of less than 19 (16 if the ACT was taken prior to 1989) or SAT subscores of less than 360 and students who have not taken the ACT or SAT may be required to complete a prescribed program of HDAL courses prior to a final decision for admission.
   b. A grade point average of 2.5 on all college-level courses completed at the time of admission is a minimum criterion.
   c. Effective communication skills are required. Students who lack acceptable communication skills but who are otherwise qualified for admission may be asked to complete certain courses or undergo other experiences in order to correct the noted deficiencies. Upon completion of the assigned remedial experiences, admission will either be granted, denied or additional work will be recommended.
   d. Certain students who fail to meet minimum requirements for admission may be admitted on a probationary basis provided they have acceptable communication skills as noted above. Those students who present evidence of significant work experiences with children or adults, or those students whose admission test scores and/or grades are determined to have been diminished by cultural, linguistic, or certain educational factors may be admitted with the written understanding that they maintain a minimum grade point average of 2.5. Students who also lack acceptable communication skills must satisfy the requirements described in item 2. above prior to probationary admission.

Course and Graduation Requirements

1. The following courses are required for a major in human development and learning. These courses (30 semester hours) must be taken by students pursuing any of the program options or by a student enrolled in any program who majors in human development and learning. As indicated below, two lower division prerequisites are required for entrance into certain of the major courses. They are Child Psychology-HDAL 2320 or Developmental Life Span Psychology-HDAL 2310, and Elementary Statistics-PSYC 2810 or Probability and Statistics(Non-Calculus)-MATH 1530.

   - PSYC 1310 Introduction to Psychology ..................................................... 3
   - PHIL 2030 Practical Reasoning ................................................................. 3
   - AHSC 3110 Parent/Child/School Relations .................................................. 3
   - PSYC 3010 Psychology of Learning (prerequisites: PSYC 1310 and HDAL 2310 or 2320) ................................................................. 3
   - PEXS 3032 Psychomotor Dev. of Children .................................................. 3
   - HDAL 4217 Program Planning in Early Child .............................................. 3
   - HDAL 4010 Managing Child Behavior (prerequisites: PSYC 1310 and HDAL 2310 or HDAL 2320) ......................................................... 3
   - HDAL 4011 Developmental Psychology II (prerequisites: PSYC 1310 and HDAL 2310 or HDAL 2320) ......................................................... 3
   - HDAL 4666 Cultural Influences in Development (prerequisites: PSYC 1310 and HDAL 2310 or HDAL 2320) .............................................. 3
   - HDAL 4950 Research in Learning and Dev. (prerequisite: PSYC 1310 and MATH 1530 or ...... PSYC 2810) ......................................................... 3

   The above listed courses and their lower division prerequisite (Child Psychology-HDAL 2320 or Developmental Life Span Psychology-HDAL 2310) must be completed with a grade of “C-” or higher in order to be accepted for major credit. Otherwise they must be repeated.

2. In addition to the courses constituting the HDAL major (and their prerequisites), students majoring in HDAL are required to complete the university’s general education core, a minor or second major, and electives chosen by the student and approved by the faculty advisor. In all, students must complete 128 semester hours (see typical program of study).

The following minors and/or second majors are suggested options:

   - Advertising
   - Athletic Coaching*
   - Broadcasting
   - Criminal Justice
   - Early Childhood Dev.
   - English
   - Environmental Health*
   - History
   - Journalism
   - Management*
   - Marketing*

   *Minors only

3. A minimum grade point average of 2.5 is required for all work completed at the time of graduation.
4. Provided they have satisfied all other university, college, and departmental requirements, students may be granted the bachelor of science degree if:
   a. they have completed the major described in item one above;
   b. and the approved general education core and the minor or second major, and electives described in item two;

Human Development and Learning
Suggested Semester Schedule

**Freshman - Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Crit Read/Expos Wrt</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Institutions and Society - Div.</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Info Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 1310</td>
<td>Intro to Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHED Fitness Activity</td>
<td></td>
<td>1</td>
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<tr>
<td><strong>TOTAL</strong></td>
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**Freshman - Spring Semester**

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<tbody>
<tr>
<td>ENGL 1020</td>
<td>Crit Thinking and Argumentiation</td>
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<tr>
<td>MATH 1530</td>
<td>Probability and Statistics</td>
<td>3</td>
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<tr>
<td>Arts and the Artistic Vision</td>
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<td>Science Institutions and Society</td>
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**Sophomore - Fall Semester**

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<td>HIST 2010</td>
<td>U.S. History to 1877</td>
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<td>HDAL 2310</td>
<td>Lifespan Devel Psych</td>
<td>3</td>
<td></td>
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<tr>
<td>Heritage (English Lit)</td>
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<tr>
<td>Minor Elective</td>
<td></td>
<td>3</td>
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<tr>
<td>CSCI 1101</td>
<td>Intro to Spreadsheets (Technology Intensive)</td>
<td>1</td>
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<tr>
<td>PHED Lifetime Activity</td>
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<tr>
<td><strong>TOTAL</strong></td>
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**Sophomore - Spring Semester**

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<tr>
<td>PHIL 2030</td>
<td>Practical Reasoning</td>
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<tr>
<td>HIST 2020</td>
<td>U.S. History Since 1877</td>
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<td>Humanities elective</td>
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<tr>
<td>Identity, Ethics and Social Responsibility</td>
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<td>3</td>
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<tr>
<td>Elective</td>
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**Junior - Fall Semester**

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<tbody>
<tr>
<td>AHSC 3110</td>
<td>Parent/Child/School Rel.</td>
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<tr>
<td>Institutions and Society</td>
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<td>3</td>
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<tr>
<td>Minor</td>
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<td>3</td>
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<tr>
<td>Minor Elective</td>
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<tr>
<td><strong>TOTAL</strong></td>
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**Junior - Spring Semester**

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<tr>
<td>PEXS 3032</td>
<td>Psychomotor Development</td>
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<td>PSYC 3010</td>
<td>Psych of Learning</td>
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<td>Minor</td>
<td></td>
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<tr>
<td>Minor or Elective</td>
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**Senior - Fall Semester**

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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HDAL 4010</td>
<td>Managing Child Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HDAL 4950</td>
<td>Research in HDAL</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HDAL 4217</td>
<td>Program Planning (or subst)</td>
<td>3</td>
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</tr>
<tr>
<td>Minor</td>
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<tr>
<td><strong>TOTAL</strong></td>
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**Senior - Spring Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>HDAL 4011</td>
<td>Developmental Psych II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HDAL 4666</td>
<td>Cultural Influences</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Guided Research Independent Study (elective)</td>
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<tr>
<td>Minor Elective</td>
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<tr>
<td>Elective</td>
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<tr>
<td><strong>TOTAL</strong></td>
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</table>

Human Development and Learning Minor

The minor in Human Development and Learning (HDAL) consists of 18 credit hours. Required courses make up twelve (12) of the credit hours. The other six (6) must be chosen from the guided electives. Nine (9) credit hours of the total minor must be Upper Division Courses.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HDAL 2310</td>
<td>Developmental Lifespan Psychology</td>
<td>3</td>
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<tr>
<td>HDAL 4011</td>
<td>Developmental Psychology II</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 4260</td>
<td>Learning in Human Development</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 4950</td>
<td>Research in Learning and Development</td>
<td>3</td>
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</table>

**Guided Electives (choose two)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HDAL 2320</td>
<td>Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2325</td>
<td>Child and Adolescent Development for Educators</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2330</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 4010</td>
<td>Managing Child Behavior</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 4666</td>
<td>Cultural Influences in Development</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 4955</td>
<td>Research, Evaluation, and Individual Assessment Techniques</td>
<td>3</td>
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</tbody>
</table>

**Total credit hours for Minor**                                      | **18** |

A grade of “C-” or above must be earned in all minor courses.

Department of Physical Education, Exercise and Sport Sciences (PEXS/PHED)

**P.O. Box 70654** Phone: 423/439-4362

Chair: Dr. Tom Coates Phone: 423/439-4362
E-mail: coates@etsu.edu

The baccalaureate degree program in the Department of Physical Education, Exercise, and Sport Sciences has three areas of concentration: K-12, teacher education, exercise science, and sport management and leisure services. The teacher licensure program prepares students as professional physical educators in grades K-12. Please contact Dr. Diana Mozen (423/439-6157) for specific information about this program. The exercise science program prepares students to work in fitness management, wellness programs, and exercise prescription/rehabilitation. The sport management/leisure services concentration prepares students to work as leaders in the sport and leisure industry. In conjunction with these primary areas of study, there are opportunities for students to prepare for careers in coaching, recreation and related sport sciences.

The leisure services minor has been designed along a broad spectrum in order to allow students completing this minor to either begin work in a recreational capacity or to pursue other educational advancement on a graduate program level.

The athletic coaching minor has been designed to enable students to develop competencies necessary to coach in public or private schools or recreational settings. Emphasis is placed on psychology and physiology of sport, care and prevention of athletic injury, and advanced skill in coaching.

A variety of basic instruction courses aids students in developing and maintaining an active, healthy, and rewarding lifestyle.
Degree: B.S. in Physical Education

Concentrations: K-12 Teaching
Exercise Sciences
Sport Management and Leisure Services

GENERAL EDUCATION REQUIREMENTS FOR ALL PHYSICAL EDUCATION CONCENTRATIONS
(44-45 Credit Hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading &amp; Exp. Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking &amp; Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1530</td>
<td>840, OR 1910</td>
<td>3-4</td>
</tr>
<tr>
<td>CSCI 1100</td>
<td>Using Information Technology or Challenge Exam</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2020</td>
<td>The United States 1877-Present</td>
<td>3</td>
</tr>
<tr>
<td>Science I*</td>
<td>Science I*</td>
<td>4</td>
</tr>
<tr>
<td>Science II*</td>
<td>Science II*</td>
<td>4</td>
</tr>
<tr>
<td>PEXS 3500</td>
<td>Dance as Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 1030</td>
<td>PHIL 2020, PHIL 2210, or PHIL 2040</td>
<td>3</td>
</tr>
<tr>
<td>Heritage (Literature)</td>
<td></td>
<td>3</td>
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<tr>
<td>Institutions &amp; Society</td>
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<td>6</td>
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<tr>
<td>Humanities Elective</td>
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</table>

*See Concentrations for Specific Science Courses

K-12 TEACHING CONCENTRATION

The K-12 teaching concentration prepares students for teacher licensure in physical education in the state of Tennessee. When students satisfy the requirements for teacher licensure, they will be licensed to teach physical education in grades kindergarten through 12. The program of study provides extensive training in elementary and secondary pedagogy and supports the mission of the College of Education—Educating Leaders in the 21st Century. Teacher candidates are trained to assume leadership roles in the classroom, school, and community, while developing skills and knowledge in professional content and pedagogy with a special emphasis on technology, multicultural, and inclusion education. Physical Education specialists develop skills in reflective thinking and decision-making as they grow personally into caring lifelong learners. Students must be admitted to Teacher Education prior to enrolling in PEXS 3700, 3710, 4700, and 4710, EDFN 3301, MEDA 3570, CUAI 4580, and EDFN 4581.

General Education Core ........................................... (44-45 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HSCI 2010/11</td>
<td>Anatomy and Physiology I</td>
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<tr>
<td>HSCI 2020/21</td>
<td>Anatomy and Physiology II or</td>
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<td>CHEM 1030</td>
<td>Introduction to Chemistry Survey</td>
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<tr>
<td>PHYS 1030</td>
<td>Introduction to Physics Survey</td>
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<tr>
<td>BIOL 1010/1021</td>
<td>Biology for Non-Majors</td>
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<tr>
<td>K-12 Majors</td>
<td>Majors must select two courses during their general education from the following:</td>
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<tr>
<td>ENGL 2330</td>
<td>World Literature</td>
<td>3</td>
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<tr>
<td>GEOG 1012</td>
<td>Introduction to Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1110</td>
<td>World Hist. &amp; Civ. to 1500</td>
<td>3</td>
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<td>HIST 1120</td>
<td>World Hist. &amp; Civ. since 1500</td>
<td>3</td>
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<tr>
<td>HUMT 2320</td>
<td>Introduction to Humanities II</td>
<td>3</td>
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<tr>
<td>SOAA 1240</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
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<tr>
<td>WMST 2010</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
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<tr>
<td>PHED 1130</td>
<td>Fitness for Life</td>
<td>2</td>
</tr>
<tr>
<td>PEXS 2701</td>
<td>Aquatics</td>
<td>1</td>
</tr>
<tr>
<td>PEXS 2900</td>
<td>Orientation to PEXS</td>
<td>1</td>
</tr>
<tr>
<td>PEXS 2955</td>
<td>Care &amp; Prevention of Ath. Injuries</td>
<td>3</td>
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<tr>
<td>PEXS 3005</td>
<td>Instructional Delivery Techniques</td>
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</tr>
<tr>
<td>PEXS 3032</td>
<td>Motor Development</td>
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<tr>
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<td>Theory &amp; Practice of Aerobic Cond.</td>
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<tr>
<td>PEXS 3085</td>
<td>Teaching Rhythms &amp; Dance</td>
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<tr>
<td>PEXS 3095</td>
<td>Teaching Sports Skills</td>
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<tr>
<td>PEXS 3510</td>
<td>Foundations of PE</td>
<td>3</td>
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<tr>
<td>PEXS 3700</td>
<td>PE Elementary I—Primary</td>
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<td>PEXS 3710</td>
<td>PE Elementary II—Intermediate</td>
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<td>PEXS 3850</td>
<td>Scientific Basis of Human Performance</td>
<td>4</td>
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<tr>
<td>PEXS 4060</td>
<td>Measurement &amp; Evaluation</td>
<td>3</td>
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<tr>
<td>EDFN 4210</td>
<td>Legal Issues</td>
<td>3</td>
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<tr>
<td>EDFN 4215</td>
<td>Psychology of Sport &amp; Leisure</td>
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<tr>
<td>PEXS 4700</td>
<td>PE Secondary I—Lifetime Wellness</td>
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<tr>
<td>PEXS 4710</td>
<td>PE Secondary II—Middle School</td>
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Major Core ........................................................ (54 credits)

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<td>Orientation to Education</td>
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<tr>
<td>HDAL 2310</td>
<td>Developmental Psychology</td>
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<td>EDFN 2300</td>
<td>Foundation of Education</td>
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</tr>
<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
<td>3</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MEDA 3570</td>
<td>Educational Technology</td>
<td>3</td>
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<tr>
<td>PEXS 4250</td>
<td>Atypical Populations</td>
<td>3</td>
</tr>
<tr>
<td>CUAI 4580</td>
<td>Student Teaching</td>
<td>12</td>
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<tr>
<td>EDFN 4581</td>
<td>Senior Seminar</td>
<td>3</td>
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Total: 130-132

Suggested Four-year Sequence for K-12 Teacher Education Concentration

Suggested Semester Schedule

**Freshman - Fall Semester**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Crit. Read/Expos Writ</td>
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<td>ENGL 1020</td>
<td>Critical Thinking &amp; Argumentation</td>
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<td>EDFN 2100</td>
<td>Orient. to Prof. of Educ</td>
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<td>CSCI 1100</td>
<td>Using Info Technology</td>
<td>3</td>
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<td>PHED 1130</td>
<td>Fitness for Life</td>
<td>2</td>
</tr>
<tr>
<td>PEXS 2900</td>
<td>Orient. to PEXS</td>
<td>3</td>
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**Freshman - Spring Semester**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>HSCI 2010/2011</td>
<td>Anatomy &amp; Physiology I - Lecture &amp; Lab</td>
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<tr>
<td>EDFN 2300</td>
<td>Found. for Teaching</td>
<td>3</td>
</tr>
<tr>
<td>PHED 2701</td>
<td>Aquatics</td>
<td>3</td>
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<tr>
<td>Institutions and Society</td>
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<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>HIST 2010</td>
<td>U.S. History to 1877</td>
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</tr>
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<td>PEXS 3510</td>
<td>Found. of Phys. Educ.</td>
<td>3</td>
</tr>
<tr>
<td>HDAL 2310</td>
<td>Developmental Psych.</td>
<td>3</td>
</tr>
<tr>
<td>PEXS 3080</td>
<td>Teaching Aerobics</td>
<td>3</td>
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</table>

**Sophomore - Spring Semester**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFN 3301</td>
<td>Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>PEXS 3095</td>
<td>Teaching Sports Skills</td>
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<td>Instruct. Delivery Tech</td>
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<td>PEXS 3085</td>
<td>Teaching Rhy. &amp; Dance</td>
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<tr>
<td>HDAL 3310</td>
<td>Educational Psychology</td>
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<tr>
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<td>Psychomotor Devel.</td>
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**Junior - Fall Semester**

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<td>PEXS 3700</td>
<td>Elementary PE I</td>
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<tr>
<td>PEXS 4700</td>
<td>Secondary PE I</td>
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<td>U.S. History Since 1877</td>
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<td>PEXS 4370</td>
<td>Psychology of Sport</td>
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**Junior - Spring Semester**

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<td>Scientific Aspects</td>
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<td>PEXS 4069</td>
<td>Measure &amp; Eval.</td>
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<td>PEXS 4250</td>
<td>PE for Atypical Pop.</td>
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**Senior - Fall Semester**

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<td>Humanities</td>
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<td>SALM 4210 Legal Issues</td>
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<td>MEDA 3570 Educational Tech</td>
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<td>PEXS 2955 Care and Prevention</td>
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**Senior - Spring Semester**

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<td>EDFN 4581</td>
<td>Seminar in Teaching</td>
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**TOTAL** ............................................ 15

**EXERCISE SCIENCE CONCENTRATION**

The exercise science concentration is a multidisciplinary approach to exercise, fitness, and wellness. The primary emphasis is on the effects of exercise on various body systems. Support studies from psychology, health education, and applied human sciences provide a knowledge base in the psychological aspects of health and behavior, generally oriented toward lifestyle maintenance and health promotion/risk reduction.

**General Education Core** ............................................ (44-45 credits)

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**Major Core** ............................................ (58 credits)

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<td>PHED 2XXX</td>
<td>Lifetime Activity</td>
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<td>PEXS 2900</td>
<td>Orientation to PEXS</td>
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<tr>
<td>PEXS 2955</td>
<td>Care &amp; Prevention of Athletic Injuries</td>
<td>3</td>
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<td>PEXS 3080</td>
<td>Teaching of Aerobic Conditioning</td>
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<td>PEXS 3510</td>
<td>Foundations of Physical Education</td>
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<td>PEXS 3610</td>
<td>Exercise Physiology I</td>
<td>3</td>
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<td>PEXS 3655</td>
<td>Sports Nutrition</td>
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<td>PEXS 4061</td>
<td>Exercise Fitness Testing</td>
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<td>Legal Issues</td>
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<td>PEXS 4270</td>
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<td>PEXS 4271</td>
<td>Mechanical Kinesiology</td>
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<td>Psychology of Sport &amp; Leisure</td>
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<td>PEXS 4467</td>
<td>Metabolic Aspects of Exer. &amp; Disease</td>
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<td>Exercise Physiology II</td>
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<td>PEXS 4630</td>
<td>Exercise Science Wellness Intern.</td>
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<td>PEXS 4650</td>
<td>Developing Wellness Programs</td>
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<tr>
<td>PEXS 4977</td>
<td>Exercise Management</td>
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**Program Requirements** ............................................ (26 credits)

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<td>AHSC 2420</td>
<td>Principles of Nutrition</td>
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<td>HSCT 3000</td>
<td>Human Anatomy</td>
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<td>HSCT 3020</td>
<td>Human Physiology</td>
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<tr>
<td>PSYC 4557</td>
<td>Intro to Behavioral Med</td>
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<td>AHSC</td>
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**TOTAL** ............................................ 128

**Suggested Four-Year Sequence for Exercise Science Concentration**

**Suggested Semester Schedule**

**Freshman - Fall Semester**

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<tr>
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<tr>
<td>ENGL 1010</td>
<td>Crit. Read/Expos Wrtr</td>
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<td>MATH 1840</td>
<td>Analy. Geo/Off Cal</td>
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<tr>
<td>HIST 2010</td>
<td>The U.S. to 1877</td>
<td>3</td>
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<tr>
<td>CSCE 1100</td>
<td>Using Inf. Technology</td>
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<tr>
<td>PHED 1130</td>
<td>Fitness for Life</td>
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**TOTAL** ............................................ 17

**Freshman - Spring Semester**

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<th>Course Title</th>
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<td>ENGL 1020</td>
<td>Crit. Think/Argumen.</td>
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<td>PEXS 2960</td>
<td>Orient. to PEXS</td>
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<tr>
<td>HIST 2020</td>
<td>The U.S. Since 1877</td>
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<td>PSYC 1310</td>
<td>Intro. to Psychology</td>
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**TOTAL** ............................................ 18

**Sophomore - Fall Semester**

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<tbody>
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<td>AHSC 2420</td>
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<td>CSCE 1101</td>
<td>Intro. to Spreadsheets</td>
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<td>HSCT 3000</td>
<td>Human Anatomy</td>
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<td>PEXS 3080</td>
<td>Teach. Aerobic Cond.</td>
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<td>PEXS 3510</td>
<td>Foundations of PE</td>
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<tr>
<td>Institutions and Society</td>
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**TOTAL** ............................................ 17

**Sophomore - Spring Semester**

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<td>PEXS 3500</td>
<td>Dance as Human Exper.</td>
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<td>Identity. Ethics &amp; Social Respons.</td>
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**TOTAL** ............................................ 17

**Junior - Fall Semester**

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<td>Care &amp; Prev. Atl. Injuries</td>
<td>3</td>
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<tr>
<td>PEXS 3610</td>
<td>Exercise Physiology</td>
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<td>PEXS 4271</td>
<td>Mech. Kinesiology</td>
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</tr>
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<td>PEXS 4467</td>
<td>Exer. Sci. Internship</td>
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<tr>
<td>Heritage - Literature</td>
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**TOTAL** ............................................ 18

**Junior - Spring Semester**

<table>
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<tr>
<td>SALM 4210</td>
<td>Legal Issues</td>
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<tr>
<td>PEXS 4620</td>
<td>Exercise Physio II</td>
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<tr>
<td>PSYC 4557</td>
<td>Intro. Behavior Med</td>
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<tr>
<td>PEXS 4650</td>
<td>Strat-Dev Wellness Prog.</td>
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<tr>
<td>Nutrition Elective</td>
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**TOTAL** ............................................ 15

**Senior - Fall Semester**

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<th>Course Title</th>
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<tr>
<td>PEXS 4061</td>
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<td>Psychology of Sport</td>
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<tr>
<td>PEXS 4467</td>
<td>Nutr. &amp; Exer. Rel. Aspects</td>
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<td>PEXS 4977</td>
<td>Exer. Management</td>
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**TOTAL** ............................................ 13

**Senior - Spring Semester**

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<tbody>
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<td>Exer. Science Internship</td>
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**TOTAL** ............................................ 12

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2003-2004 Undergraduate Catalog 155
SPORT MANAGEMENT AND LEISURE SERVICES

The sport management/leisure services concentration provides instruction and training in planning, organization, and leadership as they relate to the field of sport management and leisure services. Students are prepared to work in a consumer-driven and constituent-based profession. Clinical experience is a significant part of this program of study.

General Education Core .......................... (44-45 credits)
HSCI 2010-2011 Anatomy & Physiology I ........................................... 4
HSCI 2020-2021 Anatomy & Physiology II ........................................... 4
OR ANY TWO OF: CHEM 1010, CHEM 1030, PHYS 1030 ......................... 8

Major Core ........................................... (38 credits)
PHED 1130 Fitness for Life ................................................................. 2
PHED 2XXX Lifetime Activity .......................................................... 1
PEXS 2900 Orientation to PEXS ......................................................... 1
PEXS 2955 Care & Prevention of Athletic Injuries .................................. 3
SALM 3210 Practica I in SMLS ........................................................... 1
SALM 3211 Practica II in SMLS ......................................................... 1
SALM 3212 Practica III in SMLS ....................................................... 1
SALM 3220 Facility and Event Management ......................................... 3
SALM 3225 Public Relations and Marketing .......................................... 3
PEXS 3510 Foundations in Physical Education ...................................... 3
PEXS 3850 Scientific Basis of Human Performance ................................ 4
SALM 4210 Legal Issues ...................................................................... 3
SALM 4250 Internship in SMLS .......................................................... 6
SALM 4215 Psychology of Sport & Leisure ........................................... 3
MGMT 3000 Organizational Management ............................................ 3

Business Guided Electives .................................................. (9 credits)
Selected One Option

Sport Management Option ........................................... (27 credits)
SALM 3230 Sport in the Social Context ................................................. 3
SALM 4205 Issues in Sport Management ............................................. 3
SALM 4225 Sport Management .......................................................... 3
SALM 4230 Fund Raising in Sports .................................................... 3
Designated Electives ................................................................. 15

Leisure Services Option ........................................... (27 credits)
SALM 3105 Program and Leadership in Leisure Services ...................... 3
SALM 3135 Administration in Leisure Services .................................... 3
SALM 3130 Natural Resource Management ......................................... 3
SALM 3125 Camp Leadership ........................................................... 3
Designated Electives ................................................................. 15
Free Electives ................................................................. 12

TOTAL 128

Suggested Four-Year Sequence for Sport Management and Leisure Services Concentration (Sport Management Option)

Suggested Semester Schedule

Freshman - Fall Semester

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<td>The U.S. to 1877</td>
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<td>CSCI 1100</td>
<td>Using Information Technology</td>
<td>3</td>
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<td>PHED 1130</td>
<td>Fitness for Life</td>
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<td>PHED 2xx</td>
<td>Activity</td>
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Freshman - Spring Semester

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<td>Anatomy &amp; Physiology I - Lecture and Lab</td>
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Sophomore - Fall Semester

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<th>Title</th>
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<tr>
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<td>PEXS 2955</td>
<td>Care &amp; Prevention</td>
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<tr>
<td>HSCI 2010</td>
<td>Anatomy &amp; Physiology I - Lecture and Lab</td>
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Sophomore - Spring Semester

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<td>Practica II</td>
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<td>PEXS 3510</td>
<td>Found. of Physical Edu</td>
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<td>General Education Science</td>
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<td>Guided Elective</td>
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Junior - Fall Semester

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<td>MGMT 3000</td>
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<td>Fund Raising</td>
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Junior - Spring Semester

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<td>SALM 4210</td>
<td>Legal Issues</td>
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<td>SALM 4215</td>
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<td>PEXS 3850</td>
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Senior - Fall Semester

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MINORS

LEISURE SERVICES MINOR ............................... (18 credits)
(Pending TBR approval)
SALM 3100 Introduction to Leisure Services .................................. 3
SALM 3105 Programming & Leadership in Leisure Services ................. 3
SALM 3110 Interpretation of Cultural and Natural Resources .......... 3
SALM 3117 Recreation for Special Populations ................................ 3
SALM 3120 Outdoor Recreation Skills ........................................... 3
SALM 3135 Administration in Leisure Services ................................ 3

Students selecting the leisure services minor should contact Dr. Tom Coates, 305 East Mini-Dome, 439-5261.

SPORT MANAGEMENT MINOR ............................ (18 credits)
(Pending TBR approval)
MGMT 3000 Organizational Management ........................................... 3
SALM 3220 Facility & Event Management ...................................... 3
SALM 3225 Public Relations and Marketing .................................... 3
SALM 4205 Issues in Sport Management ....................................... 3
SALM 4225 Sport Management .................................................... 3
SALM 4230 Fund Raising in Sport Management ................................ 3

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ATHLETIC COACHING MINOR ................................. (20 credits)

PEXS 2955 Care & Prevention of Athletic Injuries .......... 3
PEXS 3850 Scientific Basis of Human Performance .......... 4
SALM 4215 Psychology of Sport & Leisure ............... 3
SALM 4225 Management of Sport & Leisure Activities .... 3
PEXS 4600 Athletic Coaching Practicum .................. 3
PEXS Two Electives from 3021, 3022, 3061, 3062, 3071, or 3072 .......... 4

Students selecting this minor should see Dr. Tom Roberts, in the Department of Physical Education, Exercise, & Sport Sciences.

PHYSICAL EDUCATION MINOR

The minor in physical education consists of 18 semester hours of study to be chosen by the student in consultation with an advisor assigned by the Department of Physical Education, Exercise & Sport Sciences. Courses taken prior to approval by an advisor may not count for the minor. The minor in physical education does not meet Tennessee teacher certification requirements. One-hour activity courses and general education core courses may not be used to fulfill the requirements of this minor. Students selecting this minor should see the Chair of the Department of Physical Education, Exercise & Sport Sciences.

GRADUATE

Graduate Study – The Department of Physical Education, Exercise & Sport Sciences offers a graduate major in physical education leading to the master of arts or master of education degree. More information on these programs is contained in the Graduate Catalog.

PHYSICAL EDUCATION REQUIREMENTS FOR GRADUATION

University regulations require each student to complete two courses from the physical education basic instruction program (BIP) or an approved equivalent. University-approved equivalents include Marching Band (2 semesters) and MSCI 1130 (Mountaineering) = Lifetime activity and MSCI 1217 (PT) = Fitness activity. These courses should be completed during the freshman and sophomore years and are selected from departmental offerings listed under Physical Education Fitness Activities and Lifetime Activities. Major and minor courses may not be substituted for activity courses without permission from the department chair.

Students with disabilities may be eligible to enroll in PHED 2600, Adapted Physical Education. Approval for students who are physically challenged to enroll in PHED 2600 must come from the university physician in conjunction with Dr. Tom Coates (423/439-5261).

Students must select one course from the Fitness Activity category (1XXX) and one course from the Lifetime Activity category (2XXX) listed below to meet the two-course graduation requirement.

Fitness Activities

All Fitness Activities classes have a common lecture format, a common written examination, and a common fitness assessment. These activities are designed to provide students with a common fitness experience.

1115 Aerobic Dance ............................................. (1 credit)
1120 Aquafitness ................................................. (1 credit)
1130 Fitness for Life* .......................................... (2 credits)
1135 General Conditioning ................................... (1 credit)
1137 Power Walking ............................................. (1 credit)
1140 Strength Conditioning ................................... (1 credit)
1150 Weight Management Exercise* ....................... (1 credit)

Lifetime Activities

2105 Beginning Ballet ......................................... (1 credit)
2110 Intermediate Ballet ...................................... (1 credit)
2115 Contemporary Dance .................................... (1 credit)
2120 Folk Dance .................................................. (1 credit)
2125 Jazz Dance .................................................... (1 credit)
2130 Modern Dance Techniques ........................... (1 credit)
2135 Social Dance ................................................ (1 credit)
2145 Square Dance ............................................... (1 credit)
2150 Tap Dance .................................................... (1 credit)
2160 Country & Western Dance ............................. (1 credit)
2205 Archery ....................................................... (1 credit)
2210 Badminton .................................................... (1 credit)
2215 Basketball .................................................... (1 credit)
2220 Billiards ....................................................... (1 credit)
2225 Bowling* ..................................................... (1 credit)
2230 Fencing ......................................................... (1 credit)
2240 Gymnastics/Tumbling .................................... (1 credit)
2255 Racquetball ................................................... (1 credit)
2260 Softball ....................................................... (1 credit)
2265 Soccer ......................................................... (1 credit)
2270 Tennis ......................................................... (1 credit)
2275 Advanced Tennis .......................................... (1 credit)
2280 Volleyball ..................................................... (1 credit)
2305 Karate* (1 credit)
2310 Judo* ........................................................... (1 credit)
2315 Self Defense* .............................................. (1 credit)
2320 Shao Lin ....................................................... (1 credit)
2325 Tai Chi* ....................................................... (1 credit)
2400 Beginning Swimming .................................... (1 credit)
2410 Advanced Swimming ...................................... (1 credit)
2420 Lifeguarding ............................................... (2 credits)
2430 Water Safety Instructor ................................ (3 credits)
2440 Scuba* ........................................................ (1 credit)
2505 Camping & Canoeing* .................................... (2 credits)
2510 Horseback Riding & Equitation* ....................... (1 credit)
2515 Marksmanship* .............................................. (1 credit)
2520 River Rafting ............................................... (1 credit)
2525 Rock Climbing .............................................. (1 credit)
2530 Mountain Biking ......................................... (1 credit)
2535 Canoeing ..................................................... (1 credit)
2540 Snowboarding .............................................. (1 credit)
2545 Skiing* ....................................................... (1 credit)
2550 Orienteering ............................................... (1 credit)
2553 Backpacking ................................................ (1 credit)
2555 Outdoor Living Skills .................................... (1 credit)
2600 Adapted PE (Restricted enrollment) ................... (2 credits)

* Additional fees are required in this course.
Division of Health Sciences

In March 1988, the Tennessee Board of Regents approved the expansion of the Division of Health Sciences, which includes the College of Medicine, the College of Nursing, and the College of Public and Allied Health. A broad range of health-related professional degrees are offered through studies in this division of East Tennessee State University. The primary objective of the Division of Health Sciences is to provide more health care providers and better access to health services in Northeast Tennessee. In addition to the traditional programs offered in each college, an innovative interdisciplinary rural track initially provided by the W.K. Kellogg Foundation, is available.

A detailed description of each program offered in the College of Nursing and the College of Public and Allied Health is presented on the following pages. A general description of the College of Medicine is also presented and detailed information is provided in the College of Medicine Catalog.

In addition to the programs in the Division of Health Sciences, an M.S. in clinical nutrition is offered by the Department of Applied Human Sciences in the College of Applied Science and Technology. An approved program in dietetics at the baccalaureate level is also available through that department.

College of Medicine

Accredited by: Accreditation Council for Continuing Medical Education, Accreditation Council for Graduate Medical Education, Liaison Committee on Medical Education, National Accrediting Agency for Clinical Laboratory Sciences

The James H. Quillen College of Medicine at East Tennessee State University was established by act of the Tennessee General Assembly in March 1974 and graduated its first class in 1982. The primary purpose of the College of Medicine is to provide more physicians and a full range of medical care in Northeast Tennessee and the surrounding region. Through a diversified program of education, the college seeks to provide well-qualified students with the opportunity to acquire a sound basic education in medicine and to foster the development of lifelong habits of scholarship and service. The college emphasizes primary care as a major educational objective.

Another important role for the College of Medicine is the advancement of knowledge through research. Investigations include biologically oriented studies, studies related to cultural and behavioral aspects of medicine, methods for the delivery of health care, and the medical education process. The college is responsible for the development of graduate education to produce practitioners, teachers, and investigators, both through clinical residency programs and advanced degree programs in the basic medical sciences. The College of Medicine actively produces and participates in programs of continuing medical education aimed at maintaining and improving the competence of those professionals engaged in caring for patients.

The College of Medicine includes the departments of Anatomy and Cell Biology, Biochemistry, Microbiology, Pharmacology, Physiology, Family Medicine, Internal Medicine, Obstetrics/Gynecology, Pathology, Pediatrics, Psychiatry, and Surgery. Also included are the sections of Anesthesiology, Radiology, and Medical Education, the Library and Learning Resources Center, the Office of Continuing Medical Education, and the division of Forensic Pathology.

The College of Medicine does not offer any courses or degree programs at the undergraduate level. It does cooperate with the College of Arts and Sciences in presenting a combined premedical-medical program. This program, which accepts students after one year of undergraduate study, allows a student to combine arts and sciences with medical college to achieve both an undergraduate and medical degree. No time savings in overall education is realized. A student in this program must have a minor or major in humanities studies. For further information, please contact the preprofessional advisor in the College of Arts and Sciences or the executive associate dean for Academic Affairs in the College of Medicine. Information pertaining to graduate biomedical science programs in the College of Medicine is available in the ETSU Graduate Catalog. Information concerning the medical curriculum of the College of Medicine is presented in the College of Medicine Catalog.

For a medical school catalog or additional information please write: Office of Student Affairs, James H. Quillen College of Medicine, East Tennessee State University, P.O. Box 70580, Johnson City, TN 37614–1708, Telephone: (423) 439–2033.
The mission of the College of Nursing at East Tennessee State University is to facilitate the health of the community through excellence in nursing education, leadership, scholarship, and innovative practice. The college provides undergraduate and graduate programs. Information on the master's and doctoral degree programs is found in the Graduate Catalog. In addition, programs of advanced placement are available to eligible diploma or associate degree prepared nurses and to eligible licensed practical nurses interested in pursuing a Bachelor of Science in Nursing degree.

Students who complete the baccalaureate degree program may be recommended by the dean to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Graduates of the nursing program who have been convicted of violation of the law other than a minor traffic violation (i.e., misdemeanor and/or felony) may be denied a license to practice as a registered nurse by the Tennessee Board of Nursing. Questions about eligibility for licensure should be directed to the Tennessee Board of Nursing (1-888-310-4650).

The programs are approved by the Tennessee Board of Nursing and accredited by the National League for Nursing Accrediting Commission (NLNAC). The NLNAC is an additional source of information regarding tuition, fees, and program length (61 Broadway - 33rd Floor, New York City, NY 10006; 1-800-669-1656). The College of Nursing is affiliated with the National Student Nurses’ Association. Membership in the Epsilon Sigma Chapter of Sigma Theta Tau, the International Nursing Honor Society, is available to eligible candidates.

Bachelor of Science in Nursing
Accredited by: National League for Nursing Accrediting Commission

The Bachelor of Science in Nursing (B.S.N.) degree program prepares a generalist in nursing with leadership skills, basic research abilities, and a holistic health approach to professional nursing with a focus on the community. A broad foundation in science and liberal arts enables the professional nurse to enter into the collaborative health care process in a variety of settings.

The Bachelor of Science in Nursing degree is the foundation for professional nursing practice. The professional nurse practices in collaboration with other health care providers and is responsible for organizing and implementing comprehensive health care for individuals, families, groups, and communities, and assuming management and leadership positions in nursing practice.

A course of study that meets the degree requirements and the university's General Education Program Requirements will be planned with the student through regular advising sessions available each semester.

Admission Requirements

Students must first apply and be admitted to East Tennessee State University as pre-nursing students. Admittance to the university does not assure admission to the major.

Because limited numbers of students can be admitted to the nursing major, students must make a separate application to the College of Nursing. Applications for admission to the major and other information can be obtained through the College of Nursing Office of Student Services, Room 46, Lamb Hall, (423) 439-4578 or 1-888-37NURSE, or by e-mail, admitnur@etsu.edu or online at: www.etsu.edu/etsucon/undergraduate.htm.

The College of Nursing admits students to the B.S.N. major twice a year: the fall semester and the spring semester. The deadline for application to the fall semester is February 1 and the deadline for application to the spring semester is October 1.

To be considered for admission to the baccalaureate nursing major, the applicant must have a minimum cumulative grade point average of 2.60 on a 4.0 scale (on all college-level work) as computed by East Tennessee State University. The actual GPA for admission may be higher, depending on the applicant pool. Developmental studies/remedial coursework is not included in the calculation of the cumulative grade point average for College of Nursing admission purposes.

The applicant must have completed, or have in progress, all of the following courses, or their equivalents: ENGL 1010 & 1020; 12 s.h. that will satisfy course requirements under Areas of Familiarity/Behavioral Social Sciences; HSCI 2230/31; HIST 2010 & 2020; MATH 1530; approved literature course; HSCI 2010/11; and HSCI 2020/21.

The applicant must have earned a minimum of “C” (2.0) in each of the required science and health science courses. No more than two science/health science courses may be repeated, and no more than one science/health science course may be repeated more than once in order to achieve a minimum of “C” (2.0).

Selection Process

After the deadline for application, eligible applicants will be rank-ordered by cumulative college-level grade point average. Class size is limited. Should there be more eligible applicants than there are spaces available, conditional admission will be offered to the top-ranked students in the applicant pool. Eligible students who cannot be accommodated will be notified in writing and may reapply during the next application period. No waiting list is maintained for admission. All applicants will be notified in writing of their admission status.

Maintenance and Progression

A final verification of eligibility will be made once semester grades become available. Students who at the end of the semester of acceptance are no longer eligible will not be permitted to maintain their enrollment in nursing major courses and must reapply.

Students admitted to the clinical major must earn a minimum grade of “C” (2.0) in each required theory and/or clinical nursing course. Grades of “C-”, “D+”, “D”, and “F” indicate that the course content has not been mastered and are nursing failures. Students who earn a grade less than “C” (2.0) in any two required nursing courses (classroom or clinical practicum) will be academically dismissed from the College of Nursing. This policy applies even if one of the failed courses has been repeated previously with a grade of “C” (2.0) or higher. Students who earn a grade of “F” in any one clinical course will be academically dismissed from the College of Nursing. Students who earn a grade of less than “C” (2.0) in a required nursing course and wish to repeat the course and progress, must file an appeal with the College of Nursing Student Affairs Committee. For additional information, contact the college’s Office of Student Services.
Fully admitted students who continue to successfully progress in the curriculum on a full-time basis can expect to complete degree requirements in five semesters in the nursing major. Students may elect to complete the program on a part-time basis. Students should meet with a nursing advisor to develop an individualized plan for part-time study.

Policies and Clinical Course Requirements

Students will obtain a copy of the written policies of the College of Nursing, including the substance abuse policy, clinical course requirements, and information on Core Performance Standards from the college's Office of Student Services. Students must sign forms indicating they have read the College of Nursing policies and agree to abide by them.

In partial fulfillment of the requirements of designated B.S.N. courses, students will take three standardized assessment exams designed to prepare them for professional practice and the National Council Licensure Examination for the Registered Nurse (NCLEX). Four-year B.S.N. students take an Entrance Assessment, used as a diagnostic tool, two weeks from the time of their letter of acceptance to the major (or prior to the first day of class for late admits). Students with reading comprehension or cumulative scores below 80 percent are required to add FCNU 3300, Promoting Academic Success in Nursing (1 cr. hr.) to their schedule. This course supports and strengthens students’ study and test-taking skills. A Mid-Curricular Exam, the second standardized assessment in the curriculum, must be passed as a requirement of a designated nursing course in the second semester of the junior year. All undergraduate students in the last semester of their academic program must pass a comprehensive Exit Exam as a requirement of a designated nursing course in the second semester of the senior year. Successful passing of the Mid-Curricular and Exit Exams is needed to pass the associated nursing course. Each exam will cost approximately $30.00. These assessment exams may be scheduled at other than usual class/clinical times and will be announced in advance. Personnel in the Testing Center, as well as designated faculty, will assist students in test preparation, interpretation of test results, identification of areas of academic deficiency, selection of learning resources, and development of study plans to meet specific learning needs. More information on schedules for each exam, payment procedures, review sessions, and policies for re-examination will be provided within the designated courses.

After admission to the major and before beginning any clinical practice courses, students must furnish evidence of having met clinical course requirements, including evidence of good health and freedom from communicable diseases (as documented on the health verification form), CPR certification, professional liability insurance coverage, and knowledge of universal precautions. Additional information may be required. Any student enrolled in a College of Nursing course or program may be asked to present evidence of physical or mental health at any time during the nursing program, and program continuation may be contingent upon this evidence.

Many sites are used for clinical nursing courses, and students must provide or arrange for their own transportation. Opportunities exist for rural, interdisciplinary clinical experiences, as well as international nursing experiences.

Given the rapid change in health care and technology, the faculty maintains the right and responsibility for revising the curriculum to anticipate societal needs for nursing care. Students are strongly advised to contact the college for current requirements.

Bachelor of Science in Nursing Curriculum

The nursing courses listed are from the three departments in the College of Nursing: Adult Nursing (ALNU), Professional Roles/Mental Health Nursing (PMNU), and Family/Community Nursing (FCNU). The ratio of credit hours to clock hours per week is 1:1 for didactic courses and 1:2 for clinical courses, unless otherwise specified.

ETSU is currently developing a new General Education Program which will become effective for the 2004-2005 academic year. Students entering ETSU as pre-nursing in 2003-2004 will follow the curriculum listed below (pending TBR approval). Currently enrolled students will follow transition plans developed by the College of Nursing to ensure timely completion of the degree.

Suggested Course Sequence for the Bachelor of Science in Nursing

**Freshman - Fall Semester**

- ENGL 1010 Critical Reading and Expository Writing ..........................3
- MATH 1530 Probability And Statistics ...........................................3
- HSCI 2010/11 Anatomy And Physiology I ...................................4
- HIST 2010 United States to 1877 .............................................3
- Humanities/Fine Arts - Fine Arts ............................................3
- CSCI Proficiency ............................................................................1

**Total** .......................................................................................16

**Freshman - Spring Semester**

- ENGL 1020 Critical Thinking and Argument ..................................3
- Social/Behavioral Science ..........................................................3
- HSCI 2020/21 Anatomy And Physiology II ....................................4
- HIST 2020 United States Since 1877 ..........................................3
- Humanities/Fine Arts - Humanities Elective ..................................3

**Total** .......................................................................................16

**Sophomore - Fall Semester**

- HSCI 2230/31 Introduction to Microbiology ..................................4
- Humanities/Fine Arts - Literature .............................................3
- Social/Behavioral Science ..........................................................3
- Oral Communication .....................................................................3

**Total** .......................................................................................13

**Sophomore - Spring Semester**

- FCNU 2010 Care of Communities I ...........................................2
- PMNU 2020 Introduction to Professional Nursing .........................3
- HSCI 3020 Human Physiology ..................................................4
- FCNU 2030 Health Assessment ..................................................4
- PMNU 2310 Communication For Health Professionals ..............2

**Total** .......................................................................................15

**Junior - Fall Semester**

- ALNU 3010 Pharmacology for Nursing ......................................3
- ALNU 3016 Pathophysiology Concepts of Disease Process .......3
- ALNU 3020 Foundations of Nursing Skills .................................3
- ALNU 3021 Adult and Family Care I ..........................................4

**Total** .......................................................................................13

**Junior - Spring Semester**

- PMNU 3070 Care of Persons with Behavioral Health Disorders .......2
- FCNU 3040 Care of Infants and Children ...................................3
- FCNU 3050 Care of Adolescence and Young Adults .................3
- FCNU 3051 Adult and Family Care II .........................................9

**Total** .......................................................................................15

**Senior - Fall Semester**

- ALNU 4000 Care of Middle-Aged Adults .....................................3
- ALNU 4020 Care of Older Adults .............................................3
- PMNU 4030 Nursing Theory and Research ...............................3
- ALNU 4021 Adult Care and Family Care III ...............................6

**Total** .......................................................................................15

**Senior - Spring Semester**

- PMNU 4060 Transition to Professional Practice .........................3
- FCNU 4040 Care of Communities II .........................................3
- PMNU 4061 Senior Practicum ...................................................8
- PMNU 4070 Community Behavioral Health Seminar ................1

**Total** .......................................................................................15

*Total Semester Hour Credits Required: 120*

A “C” (2.0) or higher is required for all science/health science and nursing courses.
Advanced Placement for R.N. and L.P.N. Students

Eligible graduates of L.P.N., diploma, and associate degree nursing programs who are seeking additional study in nursing may be given advanced standing by articulation, comprehensive examination and/or validation processes. Candidates should schedule an academic advising session with a College of Nursing advisor to plan their program of study.

To facilitate the education of registered nurses, the College of Nursing has developed an upper division sequence of courses leading to the B.S.N. degree. In addition to meeting GPA and science grade requirements, the applicant must be a graduate of an accredited program and hold active licensure as an R.N. in Tennessee to take full advantage of this articulation program. Graduates of diploma and non-accredited programs must also have a minimum of 64 semester hours of specified courses to be eligible for the major. R.N. students are encouraged to schedule an appointment with a College of Nursing advisor to develop a specific plan of study. A weekend program is available. Classes maybe available in Johnson City, Kingsport, Bristol, Morristown, and Cleveland, Tennessee.

Advanced placement and support services for the eligible L.P.N. are also available. Information may be obtained from the College of Nursing Office of Student Services.

Accelerated Schedule

An accelerated schedule for program completion is available for eligible second-degree students. Interested students should contact the College of Nursing Office of Student Services.
Mission Statement

The mission of the College of Public and Allied Health is to integrate teaching, research, and service to create an environment conducive to quality education; to provide fundamental human and scientific understanding with applied experience necessary for lifelong learning in the health professions; and to promote a spirit of cooperation among members of the college.

Goals

1. To develop a strong sense of community among students, staff, and faculty within the college.
2. To continually strive to improve teaching, learning, and critical thinking skills within the college.
3. To provide students with experience in current technologies and the skills necessary to adapt to a changing environment.
4. To promote appreciation and sensitivity to the social, mental, intellectual, physical, and spiritual factors influencing the health and well-being of diverse populations.
5. To contribute to basic knowledge and practice in the health sciences and health professions through a strong research program involving faculty, graduate students, and undergraduate students.
6. To apply the expertise of college members in providing services which improve the health and intellectual environment in the Northeast Tennessee and southern Appalachian Region.
7. To foster multidisciplinary approaches to health promotion and the prevention, control, and treatment of infirmities.

Strategic Intent

To provide graduates of choice for the health professions.

Degrees and Majors Offered by Departments

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<tr>
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*Offered in conjunction with Biological Sciences

Admission Requirements

Admission to some programs in the College of Public and Allied Health is selective. Students seeking admission to Dental Hygiene and Health Related Professions must first apply and be admitted to ETSU. However, this admittance to the university does not assure acceptance into these programs. Refer to admission requirements in the ETSU Undergraduate Catalog and appropriate departmental literature regarding separate admission/progression policies.

Special Programs

There are two types of special programs within the College of Public and Allied Health. Graduates of associate degree programs may designate their health technology area as their minor, complete the additional General Education Requirements and the courses required for a baccalaureate degree major, and receive a bachelor's degree in a content area which offers a university-approved program.

College Special Services

Speech-Language-Hearing Clinic

The Department of Communicative Disorders provides clinical services to individuals having speech, language, or hearing problems. Evaluation
and treatment procedures are performed by qualified students under the supervision of certified faculty for a nominal fee. All persons are eligible for the services. Appointments may be scheduled by contacting the Department of Communicative Disorders at (423) 439-4355.

Dental Hygiene Clinic

The Department of Dental Hygiene offers clinical services including dental inspection, dental prophylaxis (scaling and polishing the teeth), preventive treatments (application of fluorides and dental sealants), preventive periodontal treatment, and diagnostic dental X-rays. All treatment is provided by qualified dental hygiene students under the supervision of a licensed dentist and dental hygiene faculty for a nominal fee. All persons are eligible for the services. Appointments may be scheduled by contacting the Department of Dental Hygiene at (423) 439-4514.

Graduate Study Offered

The Department of Communicative Disorders offers study for the master of science degree with a major in communicative disorders. The student may elect audiology or speech-language pathology as the area of concentration. A clinical doctorate in audiology (Au.D) is also available.

The Department of Environmental Health offers study for the master of science in environmental health degree. The student may elect the administrative concentration or the specialist concentration.

The Department of Health Sciences offers study for the master of science degree in microbiology in conjunction with Biological Sciences.

The Department of Public Health offers the master of public health degree with area concentrations in community health and public health administration.

The Department of Physical Therapy offers a post-baccalaureate entry-level master’s in physical therapy (M.P.T) degree.

A graduate certificate in gerontology and a graduate certificate in health administration are offered in conjunction with other academic units on campus. Information about these programs is available from the Dean’s office.

Dental Career Advisement

The College of Public and Allied Health offers advisement for students pursuing dental careers. A dental hygiene program is offered within the college. Students considering dentistry as a career should seek advisement with the pre-dental advisor.

Students interested in application to dental school must meet requirements as prescribed by each dental school. ETSU pre-dental advisement offers students assistance in the following areas: determining program requirements, application for Dental Admissions Testing (DAT), guidance in selecting a relevant major, and procedures for application to dental school.

Pre-dental requirements generally include two semesters of each of the following courses: Critical Writing, General Chemistry, General Biology, General Physics, and Organic Chemistry (laboratory courses are required for all science courses).

Pre-dental students enhance their application to dental school with successful completion of a bachelor’s degree. The major field of study may be selected by the student consistent with individual academic interests.

Students interested in dental careers should direct inquiries to:

Rebecca Nunley, D.D.S.
East Tennessee State University
P.O. Box 70690
Johnson City, TN 37614-1709
(423) 439-4497; nunley@etsu.edu

Students interested in the Dental Hygiene programs should direct inquiries to:

Charles Faust, R.D.H., Ed.D
Admissions Chair, ETSU Box 70690
Johnson City, TN 37614
423-439-4497; faust@etsu.edu

The field of communicative disorders encompasses the professions of audiology and speech-language pathology. Persons working in the field assist individuals who have difficulties with hearing, speech, and/or language communication. Professionals are skilled in the techniques of evaluation, in (re)habilitation treatment, and in aspects of counseling communicatively handicapped individuals and their families. Audiologists and speech-language pathologists provide services to all age groups. Such services may be located in medical, educational, and private settings.

The Department of Communicative Disorders graduate programs in audiology and speech pathology are fully accredited by the American Speech-Language-Hearing Association (ASHA). Undergraduate students may receive preparation for the graduate programs in CDIS by selecting any major with a minor in CDIS. At the graduate level, the major of science is offered with a major in Communicative Disorders with a concentration in speech pathology or a doctorate in audiology (Aud.). Completion of the graduate programs in Communicative Disorders prepares the student to meet the requirements for professional certification by ASHA. The programs also meet licensure requirements for the Tennessee Board of Health Related Professions and the Tennessee Board of Education.

Application deadline for the graduate program is mid-February and may be completed while enrolled in prerequisite coursework (See Graduate Catalog for specific application information). For students who have already completed an undergraduate degree, conditional acceptance to the graduate program will be considered. The prerequisite coursework for the graduate program in Communicative Disorders includes the following:

At least 6 semester hours in the Biological/Physical Science and Mathematics (at least one course in each area)

At least 6 semester hours in the Behavioral and/or Social Sciences including study that pertains to understanding normal/abnormal human behavior, developments across the life span, social interaction, and issues of culturally diverse populations.

Communicative Disorders Minor

Communicative Disorders Minor ........................................... 20 credits

A minimum of 20 credit hours in communicative disorders (17 must be upper division), including:

CDIS 4000 Communication Sciences and Disorders ................ 3 credits
CDIS 4010 Speech and Hearing Science I .......................... 4 credits
CDIS 4020 Speech and Hearing Science II ......................... 4 credits
CDIS 4060 Language Development .................................. 3 credits
CDIS 4200 The Clinical Process ......................................... 3 credits

One of the following elective courses from other departments is required:
SPCH2330 Communication Theory .................................... 3 credits
SPCH3350 Interpersonal Communication ........................... 3 credits
ENGL4120 Descriptive Linguistics ..................................... 3 credits
ENGL4130 Social and Psychological Aspects of Language .... 3 credits
The dental hygienist works with the dental team in the prevention and control of dental disease and has the opportunity to work in diverse settings. In addition to the private dental office, dental hygienists may work in such practice settings as: federal, state, and local health departments; hospitals; nursing homes; school systems; educational programs for dental hygiene, and dental assisting students; private business/industry; correctional facilities; private and public centers for pediatric, geriatric, and other individuals/groups with special needs; and health maintenance organizations.

The dental hygienist, a recognized member of the dental team, is devoted to helping patients prevent dental disease and maintain good oral health. The responsibilities of a licensed dental hygienist in Tennessee include scaling and polishing teeth, applying topical fluoride agents, placing pit and fissure sealants, providing nutritional counseling, exposing and processing dental radiographs and educating the patient in the proper care of their teeth and supporting structures.

Practice and Licensure: For licensure, most states require dental hygiene graduates to pass both the National Dental Hygiene Board Examination and a licensing examination prescribed by the individual state board of dental examiners. Most states require dental hygienists to practice under the supervision of a licensed dentist.

The ETSU Department of Dental Hygiene offers three degree programs: (1) Associate of Applied Science in Dental Hygiene (A.A.S.); (2) Bachelor of Science in Dental Hygiene (B.S.D.H.); and (3) an online degree completion program for dental hygienists with an associate degree, leading to a B.S.D.H.

Program Admission: All students applying to the department must meet the requirements for the specific degree programs listed in this catalog. All applicants must first apply and be admitted to the university. This admittance, however, does not assure acceptance to the dental hygiene program. Applications for the university should be addressed to:

Office of Admissions
P.O. Box 70731
East Tennessee State University
Johnson City, TN 37614

The separate departmental application must be received by March 1 for consideration by the admissions committee. Students may secure academic advisement prior to admission by contacting the Department of Dental Hygiene Admission’s Chair. Requests for the application forms should be addressed to:

Admissions Chair, Department of Dental Hygiene
College of Public and Allied Health
P.O. Box 70690
East Tennessee State University
Johnson City, TN 37614

You may also obtain the information by calling 423/439-4497 or from our web site at http://www.etsu.edu/cpah/dental.

Requests for the B.S.D.H. online degree completion program for practicing dental hygienists may also be obtained from the above address, phone number, and web site address. Please be certain to specify which program you are interested in pursuing.

Expenses (for A.A.S. and B.S.D.H. programs): In addition to the usual registration and tuition, students are required to purchase such personal items as uniforms, dental instruments, specialized textbooks, laboratory materials, and a dental hygiene pin. Expenditures for these items, which are the personal property of the student, are approximately $2,000.00. Most of this additional expense occurs during the first year of study.

Retention - Progression Policy: Dental Hygiene students will be allowed to progress in the dental hygiene curriculum as all dental hygiene courses and basic science courses (Anatomy and Physiology, Microbiology, and Chemistry) are completed with a grade of “C” or better. Progression status will be evaluated at the close of each semester. Students receiving less than a 2.0 in any of the classes listed above will be placed on probation. A student on probation who receives a second grade of less than 2.0 in one of the classes listed above will not be permitted to progress in the dental hygiene curriculum. Students earning failing grades in any dental hygiene course will be reviewed by faculty to determine feasibility of progression. Following faculty review of student performance, an individual plan for curriculum completion will be presented for consideration for any student affected.

Associate of Applied Science

The A.A.S. degree in dental hygiene consists of 48 semester hours of study in dental hygiene and 35 semester hours of study in other university departments. All courses offered in the Department of Dental Hygiene must be taken in sequence as presented in the curriculum. Courses outside of the Department may be taken prior to entry into the program. Applicants should complete as many of the non-dental hygiene courses prior to application to be competitive in the class selection process.

Admission Requirements (A.A.S.)

Candidates for admission must be graduates of a high school program which has included the study of biology and chemistry. Priority will be given to those students having completed Anatomy and Physiology I and II (HSCI 2230 and 2231) or their equivalent at another university, with a “C” or higher grade, and with a 2.0 or higher overall college average. Evidence of university admission, updated H.S. and/or college transcripts, and dental hygiene application forms must be returned to the dental hygiene office by March 1 for the applicant to be considered by the admission’s committee. Also a personal interview will be scheduled with the applicant after the applicant’s file is complete. All applicants will be notified in writing of the action taken by the dental hygiene admission committee.

DENTAL HYGIENE CURRICULUM
ASSOCIATE DEGREE PROGRAM (A.A.S.)

First Year - Fall Semester

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HSCI 2010</td>
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<td>3</td>
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<tr>
<td>PSYC 1310</td>
<td>Introduction to Psychology</td>
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<tr>
<td>CHEM 1030</td>
<td>Introduction to Chemistry Survey</td>
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<tr>
<td>DHYG 2020</td>
<td>Dental Anatomy &amp; Histology</td>
<td>3</td>
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<td>DHYG 2030</td>
<td>Pre-Clinical Lecture</td>
<td>3</td>
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<tr>
<td>DHYG 2031</td>
<td>Pre-Clinical Lab</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 2050</td>
<td>Occupational Safety for Dental Healthcare Workers</td>
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First Year - Spring Semester

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<tbody>
<tr>
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<td>Anatomy &amp; Physiology II</td>
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<td>HSCI 2230</td>
<td>Introduction to Microbiology</td>
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</tr>
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<td>HSCI 2231</td>
<td>Introduction to Microbiology Lab</td>
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<td>DHYG 2160</td>
<td>Periodontology</td>
<td>3</td>
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<tr>
<td>DHYG 2170</td>
<td>Dental Radiology</td>
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</tr>
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<td>DHYG 2171</td>
<td>Dental Radiology Lab</td>
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<tr>
<td>DHYG 2151</td>
<td>Dental Hygiene Clinical Practice I</td>
<td>4</td>
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<td>DHYG 2130</td>
<td>Dental Hyg. Clin.Seminar I</td>
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Bachelor of Science

The B.S.D.H. degree consists of 66 semester hours of dental hygiene core classes and 59 semester hours of general education core classes for a total of 125 semester hours of study. All courses offered in the dental hygiene core curriculum must be taken in sequence. The general education core classes may be taken prior to entry into the program. Because of the rigors of the curriculum, students are encouraged to complete all general education core classes prior to application.

Admission Requirements (B.S.D.H.)

Admission to the ETSU Department of Dental Hygiene requires that the applicant be admitted to the university before application to the professional program can be considered. If the applicant is in the process of applying to the university, he/she may receive conditional acceptance until the final university admission is received. If the applicant is a former ETSU student, he/she must be readmitted to the university. Admission to the B.S.D.H. program requires the following information be submitted: (1) evidence of admission to the university, (2) completed departmental application form, and (3) official college transcripts from all institutions attended. The department must receive all information by March 1. Upon receipt of this information, the admission’s chair will review all aspects of the applicant’s record to determine if the applicant will be considered for an interview. Entry into the B.S.D.H. program requires completion of all of the first-year classes listed in the curriculum. The equivalent courses at another institution will be accepted if the university accepts them as transfer credit.

DENTAL HYGIENE CURRICULUM

BACHELOR OF SCIENCE IN DENTAL HYGIENE (B.S.D.H.)

Prerequisites:

First Year

Fall Semester

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<tr>
<th>Course</th>
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<tr>
<td>ENGL 1010</td>
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<td>Critical Reading &amp; Expository Writing</td>
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<td>MATH 1530</td>
<td>3</td>
<td>Probability &amp; Statistics</td>
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<td>CHEM 1030</td>
<td>3</td>
<td>Introduction to Chemistry Survey</td>
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<td>Anatomy &amp; Physiology Lab I</td>
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<td>PHED 1000</td>
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Second Year - Fall Semester

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<td>General Speech</td>
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<td>DHYG 2400</td>
<td>4</td>
<td>Clinical Practice II</td>
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<tr>
<td>DHYG 2410</td>
<td>1</td>
<td>Clinical Seminar II</td>
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<td>DHYG 2500</td>
<td>3</td>
<td>Introduction to Community Dentistry</td>
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Second Year - Spring Semester

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<tr>
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<td>ENGL 1010</td>
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<td>Critical Reading &amp; Expository Writing</td>
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Total hours for A.A.S. Degree: 83
Total hours for DHYG: 49

Summer Semester

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<td>ENGL 1020</td>
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<td>Critical Thinking &amp; Argumentation</td>
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<td>Anatomy &amp; Physiology II</td>
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<td>3</td>
<td>Introduction to Microbiology</td>
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<td>General Speech</td>
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Second Year - Fall Semester

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<tr>
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<tr>
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<td>The United States History to 1877</td>
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<td>DHYG 2000</td>
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<td>Introduction to Dental Hygiene</td>
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<tr>
<td>SOAA 1020</td>
<td>3</td>
<td>Introduction to Sociology</td>
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<td>Dental Anatomy &amp; Histology</td>
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<tr>
<td>DHYG 2040</td>
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<td>DHYG 2031</td>
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Spring Semester

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<tr>
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<td>Periodontology</td>
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<td>DHYG 3031</td>
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<td>Clinical Practice II</td>
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<td>DHYG 3030</td>
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<td>Clinical Seminar II</td>
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<td>DHYG 4000</td>
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<td>Dental Radiographic Interpretation</td>
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<td>DHYG 3010</td>
<td>2</td>
<td>Head &amp; Neck Anatomy</td>
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<td>SOAA 2420</td>
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<td>Principles Of Nutrition</td>
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Third Year - Fall Semester

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<td>DHYG 4010</td>
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<td>Teaching Strategies</td>
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<tr>
<td>DHYG 3111</td>
<td>2</td>
<td>Dental Materials Lab</td>
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<tr>
<td>DHYG 3120</td>
<td>3</td>
<td>Pharmacology</td>
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<td>DHYG 4020</td>
<td>4</td>
<td>Dental Hygiene Clinical Practice III</td>
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<tr>
<td>DHYG 3130</td>
<td>3</td>
<td>Community Dental Health</td>
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Spring Semester

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Identity, Ethics, &amp; Social Responsibility</td>
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<tr>
<td>Humanities</td>
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<td></td>
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<td>DHYG 4110</td>
<td>3</td>
<td>Supportive Periodontal Therapy</td>
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<td>DHYG 4130</td>
<td>2</td>
<td>Geriatric Dental Hygiene</td>
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<tr>
<td>DHYG 3010</td>
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<td>Issues in Dental Hygiene</td>
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<td>DHYG 4121</td>
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<td>Dental Hygiene Clinical Practice IV</td>
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<td>DHYG 4120</td>
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<td>Dental Hygiene Clinical Seminar IV</td>
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<td>DHYG 4141</td>
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<td>Community &amp; Rural Dental Health</td>
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Total hrs. for DHYG: 66
Total hrs. for B.S.D.H. Degree: 127

Degree Completion Program (B.S.D.H.)

The Department of Dental Hygiene offers a B.S.D.H. online degree completion program. Eligible students must have earned an Associate Degree or Certificate in Dental Hygiene from an accredited institution and have a minimum of two (2) years experience in the dental hygiene profession. An earned Associate/Certificate Degree in Dental Hygiene is accepted as 46 hours of lower division course credit. In addition, two (2) years of professional experience as well as successful completion of DHYG 3100 (5-hour online course) will earn the student 16 hours of upper division credit. An additional 13 hours of coursework online and completion of ETSU graduation requirements will earn the student a Bachelor of Science in Dental Hygiene.

Computer Requirements: A moderate level of computer literacy is required to successfully complete this online program. Students are advised
to acquire the necessary computer skills prior to beginning this program. Applicants should also contact the department to determine the minimum system requirements for participation in the program.

Admission Requirements: Admission to the B.S.D.H. Degree Completion Program Online requires the following information be submitted:

1. Evidence of admission to the university
2. Official transcripts from all institutions attended and proof of graduation from an accredited dental hygiene program.
3. Eligibility for licensure within the student’s state of residence.
4. Evidence of dental hygiene experience equivalent to a minimum of two years of full-time practice.

The Department of Dental Hygiene will review applications in February and October for acceptance in the fall and spring.

B.S.D.H. Degree Completion Requirements

Application and Admission = credit for A.A.S./Certificate ........................................ 46 credit hours

(DHYG 3100) Contemporary Dental Hygiene
Theory & Practice ................................. 5 Credit Hours

With successful completion of DHYG 3100 the completion student will receive course credit for DHYG 3031 (Clinical Practice II), 3120 (Pharmacology), 4000 (Dental Radiographic Interpretation), 4021 (Dental Hygiene Clinical Practice III), and 4121 (Dental Hygiene Clinical Practice IV). ........................................ 16 credit Hours

DHYG Online Curriculum:

DHYG 4200 Issues in Dental Hygiene ............. 1 Credit Hour
DHYG 4010 Teaching Strategies .................... 3 Credit Hours
DHYG 4020 Clinical Seminar III .................... 1 Credit Hour
DHYG 4030 Anesthesia & Pain Control ............ 1 Credit Hour
DHYG 4110 Supportive Perio. Therapy ............. 3 Credit Hours
DHYG 4120 Clinical Seminar IV ..................... 1 Credit Hour
DHYG 4130 Geriatrics ............................... 2 Credit Hours
DHYG 4141 Community & Rural Den. Hlth ........ 1 Credit Hour

Total Major Field Core Credit Hours: ............ 80 Credit Hours

The educational objectives of the department are to provide the student with an opportunity to:

1. Develop an understanding of
   a. the chemical, biological, physical, and social factors which affect the health of the community;
   b. relevant concepts from the social and behavioral sciences; and
   c. the environmental health systems.

2. Become proficient in
   a. identifying community environmental health needs;
   b. information collection, storage, retrieval, analysis, and dissemination; and
   c. environmental monitoring, analysis, and management.

3. Acquire skills in the application of the above techniques and knowledge necessary for solution of environmental health problems.

Degrees and Concentrations

At the undergraduate level the department offers the bachelor of science in environmental health degree. The programs leading to this degree are the environmental health concentration, which has a public health practice orientation, and the occupational health and safety concentration. In addition, the department offers a minor in environmental health and a minor in safety.

Degree Requirements

I. Concentration in Environmental Health

A. University General Education Program;
   Math and Science requirements:

   Environmental Health ............................. Credit Hours
   MATH 1720 Precalculus .......................... 3
   BIOL 1110/1111 Biology for Science Majors I .. 4
   MATH 1840 Calculus ............................. 3
   BIOL 1130/1131 Biology for Science Majors II .. 4
   PHYS 2010 General Physics I-Non-Calculus ..... 3
   CHEM 1110/1111 General Chemistry I ........... 4
   CHEM 1120/1121 General Chemistry II .......... 4
   HSCI 3320/3321 General Microbiology .......... 4
   CHEM 3000 Human Anatomy .......................... 4
   HSCI 3020 Human Physiology ..................... 4

   B. Environmental Health Requirements:

   ENVH 1800 Human Ecology .......................... 3
   PUBH 3000 Introduction to Biostatistics .......... 3
   PUBH 3080 Principles of Epidemiology ........... 3
   ENVH 3100 Water Supplies & Wastewater Treatment 3
   ENVH 3400 Introduction to Air Pollution .......... 4
   ENVH 3500 Environmental Safety ............... 4
   ENVH 3700 Solid Waste Management ............ 4
   ENVH 3989 Environmental Health ................ 5
   ENVH 4000 Public Health Law ............... 4
   *ENVH 4080 Environmental Health Practice ........ 3
   ENVH 4100 Shelter Environments ............... 3
   ENVH 4207 Principles of Radiological Health .... 3
   ENVH 4340 Occupational Health ............... 3
   ENVH 4357 Toxicology ............................ 3
   ENVH 4387 Biological Analysis in Environmental Health 3
   ENVH 4397 Environmental Analysis ............ 3
   ENVH 4400 Environmental Health Program Planning & Admin. 3
   ENVH 4607 Food Sanitation Principles ......... 3
   Total ............................................... 95

   *Three hours of ENVH 2898, ENVH 3989 or ENVH 4989 will substitute for ENVH 4080.

Total hours for completion of program ............ 129

Note: Course 3040 not for environmental health majors. Course 4000 not required for international students.

Department of Environmental Health (ENVH)
P.O. Box 70682 Phone: 423/439-5250

B.S.E.H. and M.S.E.H. programs accredited by:
The National Environmental Health Science and Protection Accreditation Council

Statement of Purposes, Goals, and Objectives:

The need for a healthful environment is common to all peoples and to all communities. The needs for environmental health services are complex because of changes brought about by economic and technological advances. There is an increasing need for technical personnel in the field of environmental health. The many problems brought about by economic and technological advances require a comprehensively trained specialist in environmental health.
II. Concentration in Occupational Health and Safety

A. University General Education Program;
   Math and Science requirements:
   Occupational Health and Safety .......................................... Credit Hours
   BIOL 1110/1111 Biology for Science Majors I ....................... 4
   MATH 1720 Precalculus ................................................... 3
   BIOL 1130/1131 Biology for Science Majors III ................... 4
   MATH 1840 Analytic Geometry & Calculus ............................ 3
   CHEM 1110/1111 General Chemistry I .................................. 4
   CHEM 1120/1121 General Chemistry II .............................. 4
   PHYS 2010/2011 General Physics I-Non-Calculus .................... 4
   CHEM 2220/2221 Quantitative Analysis ................................ 4
   PHYS 2020/2021 General Physics II-Non-Calculus .................. 4
   CHEM 2010 Organic Chemistry I ........................................ 3
   CHEM 2011 Organic Chemistry I Lab .................................. 2
   HSCI 3000 Human Anatomy ........................................... 4
   HSCI 3320/3321 General Microbiology ................................ 4
   CHEM 2020 Organic Chemistry II ....................................... 3
   CHEM 2021 Organic Chemistry II Lab .................................. 2
   HSCI 3020 Human Physiology ......................................... 4

   Total ........................................................................ 101

   Total hours for completion of the program: ....................... 132

   *Note Prerequisites

B. Environmental Health Requirements:
   PUBH 3000 Introduction to Biostatistics .............................. 3
   PUBH 3080 Principles of Epidemiology ................................ 3
   ENVH 3400 Introduction to Air Pollution ............................. 3
   ENVH 3500 Environmental Safety ...................................... 3
   *ENVH 4080 Environmental Health Practice .......................... 3
   ENVH 4207 Principles of Radiological Health ....................... 3
   ENVH 4340 Occupational Health ....................................... 3
   ENVH 4347 Ergonomics ..................................................... 3
   ENVH 4357 Toxicology ..................................................... 3
   ENVH 4360 Industrial Hygiene Laboratory ............................ 3
   ENVH 4367 Biological Analysis in Envir. Health .................... 3
   ENVH 4397 Environmental Analysis ................................... 3
   ENVH 4500 Performance Mgmt. For Safety & Health .......... 3
   ENVH 4710 Introduction to Hazardous Wastes ..................... 3

   Total .......................................................................... 6

   Minor in Environmental Health

   The objective of offering this minor is to enable students to find a wider selection of employment opportunities. For example, the students may wish to major in biological sciences, chemistry, criminal justice, physics, geography/geology, health science, technology, and pre-med or pre-engineering. A minor in environmental health will broaden their knowledge and augment their chances of employment in their chosen field. If employment is not available in their chosen field, they may be employed in environmental health/public health protection types of work.

   A student with a major in the sciences and a minor in environmental health has an enhanced opportunity of finding employment in some industrial settings. As an example, the chemical industry needs environmental control personnel who are trained in chemistry.

   Preprofessional majors, who choose not to or are unable to continue in professional school, will be much better prepared to seek employment within a federal, state, or local public health agency.

   Admission Requirements – In addition to meeting the requirements for admission to the university, applicants must apply to the Department of Environmental Health. Students must have an overall GPA of 2.3.
Suggested Course Sequences for B.S.E.H. -
Environmental Health Concentration

**Freshman - Fall Semester**

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**Junior - Fall Semester**

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<td>ENVH 4100</td>
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**Senior - Fall Semester**

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<td>ENV 4607</td>
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**Summer Semester**

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<th><em>ENVH 4989 Cooperative Education &amp; Work Experience</em></th>
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**Suggested Course Sequences for B.S.E.H. -
Occupational Health and Safety Concentration**

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<td>CHEM 1120/21</td>
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<td>CHEM 2220/21</td>
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**Junior - Fall Semester**

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<th>Course Code</th>
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<td>CHEM 2020/21</td>
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<td>PUBH 3080</td>
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<td>Introduction to Hazardous Waste</td>
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**Graduate Study**

Admission to the graduate program requires a baccalaureate degree from an accredited institution of higher learning. Majors pursue studies with emphasis in the specialist area or the administrative area. Further information on graduate programs is contained in the Graduate Catalog.

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**Department of Health Sciences (HSCI)**

P.O. Box 70673  Phone: 423/439-4485

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The Department of Health Sciences is a multidisciplinary department offering a variety of courses concerning those sciences relevant to or implicating the human body. The department offers the B.S. degree in Health Sciences. Two concentrations are available, Microbiology and Medical Technology. In addition, minors in Health Sciences and Microbiology are offered. These courses of study are designed for students who plan to pursue such professions as medicine, dentistry, veterinary medicine, microbiology, and medical technology. Courses are also offered for students...
in other disciplines who desire to acquaint themselves with a scientific attitude and the phenomena of living organisms.

All Health Sciences majors must complete the following courses:

- CHEM 1110/1111 General Chemistry I ......................... 4
- CHEM 1120/1121 General Chemistry II ...................... 4
- BIOL 1110/1111 Biology for Science Majors I ............. 4
- BIOL 1120/1121 Biology for Science Majors II ............. 4
- PHYS 2010/2011 General Physics I-Non-Calculus ......... 4
- PHYS 2020/2021 General Physics II-Non-Calculus ....... 4
- CHEM 2220/2221 Quantitative Analysis ...................... 4
- CHEM 3510/3511 Organic Chemistry I ....................... 5
- CHEM 3520/3521 Organic Chemistry II ...................... 5

**Microbiology Concentration** – A minimum of 30 semester hours is required. During the sophomore year the microbiology major should choose general microbiology and pathogenic microbiology. Frequent advising is necessary to ensure that career objectives are attained.

**Microbiology Concentration**

- HSCI 3320/3321 General Microbiology ....................... 4
- HSCI 3510 Pathogenic Microbiology ......................... 4
- HSCI 3540 Immunology ............................................ 3
- HSCI 4607 Bacterial Physiology ............................... 4
- HSCI 4770 Virology .................................................. 4
- BIOL 3100 General Genetics ..................................... 3
- BIOL 4167/4177 Biochemistry of Metabolism .............. 5
- HSCI Electives ......................................................... 6

The American Society for Microbiology (ASM) program certification requires that the student have at least 20 semester hours in microbiology as broadly defined. In addition to the ASM requirements and a year of Physics (2010-2011, 4 hours; 2020-2021, 4 hours), the National Registry of Microbiologists requires a minimum of one year of work experience before an applicant for registration may take written examinations in general microbiology and in at least two specialty areas. The specialties include both theoretical and applied aspects of pathogenic bacteriology, immunology, and serology, parasitology, mycology, virology, and the combined areas of food, dairy, and sanitation microbiology, or of agricultural and industrial microbiology.

**Medical Technology Concentration** – Students may become eligible for a national certification examination (registry) and also the bachelor of science in health sciences degree from ETSU by successfully completing the three-year curriculum at ETSU; by successfully completing an approved program (12 months) in a hospital school of medical technology; and by qualifying for the registry.

**Medical Technology Concentration:**

- HSCI 3000 Human Anatomy ...................................... 4
- HSCI 3020 Human Physiology ................................... 4
- HSCI 3320/3321 General Microbiology ................. 4
- HSCI 3510 Pathogenic Microbiology ......................... 4
- HSCI 3540 Immunology ............................................ 3
- HSCI 4480 Clinical Parasitology ............................... 4
- BIOL 3100 General Genetics ..................................... 3
- BIOL 4167/4177 Biochemistry of Metabolism .............. 5

*HSCI 4747 or HSCI 4770 may be substituted.

**Freshman - Fall Semester**

- ENGL 1010 Critical Reading & Expository Writing .......... 3
- CHEM 1110/1111 General Chemistry ......................... 4
- BIOL 1110/1111 Biology for Science Majors I ............. 4
- MATH 1040 Calculus ................................................. 3
- PSYC 1300 Introduction to Psychology ....................... 3
- PHED 1000 Lifetime .................................................. 1

**Total** ................................................................. 18

**Sophomore - Fall Semester**

- CHEM 2010/21 General Chemistry ......................... 4
- CHEM 3520/3521 General Microbiology ..................... 4
- HSCI 3000 Human Anatomy ..................................... 4
- HSCI 4480 Clinical Parasitology ............................... 4
- Arts & Artistic Vision ............................................. 3
- Ethics & Social Responsibility ................................. 3

**Total** ................................................................. 17

**Junior - Fall Semester**

- PHYS 2010/21 General Physics ................................... 4
- HSCI 4480 Clinical Parasitology ............................... 4
- BIOL 3100 General Genetics ..................................... 3
- HSCI 3540 Immunology ............................................ 3

**Total** ................................................................. 17

**Senior Year**

Approved Hospital Practicum (12 months) .................. 30

Total Credit Hours ................................................... 138

Admission to the Hospital Practicum is selective based upon the number of approved positions and admission criteria established by the hospital affiliates. Frequent advising is required, particularly to be aware of admission requirements and number of hospital schools affiliated with the ETSU program.

**Health Sciences Minor:**

- HSCI 3000 Human Anatomy ..................................... 4
- HSCI 3020 Human Physiology ................................... 4
- HSCI 3320/3321 General Microbiology ..................... 4
- BIOL 4167/4177 Biochemistry of Metabolism .............. 5
- Electives ................................................................. 5

**Microbiology Minor:**

- HSCI 3320/3321 General Microbiology ..................... 4
- HSCI 3510 Pathogenic Microbiology ......................... 4
- HSCI 4480 Clinical Parasitology ............................... 4
- HSCI 4770 Virology .................................................. 4
- HSCI 3540 Immunology ............................................ 3

**Concentration In Microbiology** – A concentration in microbiology consists of 50 semester hours in approved microbiology courses.

**Concentration In Microbiology:**

- CHEM 3510/3511 Organic Chemistry I ..................... 5
- CHEM 3520/3521 Organic Chemistry II ..................... 5
- HSCI 3320/3321 General Microbiology ..................... 4
- HSCI 3510 Pathogenic Microbiology ......................... 4
- HSCI 3540 Immunology ............................................ 3
- HSCI 4607 Bacterial Physiology ............................... 4
- HSCI 4770 Virology .................................................. 4
- HSCI 4480 Clinical Parasitology ............................... 4
- HSCI 4747 Virology .................................................. 4
- HSCI 4747 Virology .................................................. 4
BIOL 4167/4177 Biochemistry of Metabolism ........................................ 5
BIOL 3100 General Genetics .................................................................. 3
Electives * ......................................................................................... 7

*(HSCI 3000, HSCI 3020, HSCI 4067, HSCI 4590, PUBH 3000, or 3080.)

Sample Program Microbiology

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<td>3</td>
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<tr>
<td><strong>TOTAL</strong></td>
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Sophomore - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM 2010/11 Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>HSCI 3200/21 Pathogenic Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>HIST 2010 The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>Heritage Elective</td>
<td>3</td>
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<tr>
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Sophomore - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CHEM 2020/21 Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>HSCI 3610 Pathologic Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>HSCI 3000 Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>HIST 2020 The United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>PHED 1000 Fitness</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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</table>

Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2010/11 General Physics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4167/4177 Biochemistry of Metabolism</td>
<td>5</td>
</tr>
<tr>
<td>HSCI 4480 Clinical Parasitology</td>
<td>4</td>
</tr>
<tr>
<td>PHED 3540 Immunology</td>
<td>3</td>
</tr>
<tr>
<td>Identity, Ethics &amp; Social Responsibility</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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</tbody>
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Junior - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2020/21 General Physics</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2220/21 Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3100 General Genetics</td>
<td>3</td>
</tr>
<tr>
<td>HSCI 3540 Immunology</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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<tr>
<td><strong>TOTAL</strong></td>
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Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HSCI 4747 Mycology</td>
<td>4</td>
</tr>
<tr>
<td>PUBH 3000 Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>HSCI 3020 Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 2640 Science &amp; Modern World</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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Senior - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>HSCI 4770 Virology</td>
<td>4</td>
</tr>
<tr>
<td>HSCI 4607 Bacterial Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3080 Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

| Credit Hours          | 130     |

This concentration will satisfy the university's requirement for a major and a minor field of study. All majors and minors must work in close consultation with their departmental advisors in preparing their schedules. Failure to do so could result in improper scheduling which might require extra coursework. All graduates must complete the General Education Core Requirements as listed in this catalog.

Graduate Study – The department also offers the M.S. in microbiology. Further information on graduate programs is contained in the Graduate Catalog.

The Department of Health Related Professions, located at the Nave Center in Elizabethton, is a multidisciplinary department offering courses of study leading to a Bachelor of Science degree in Allied Health with concentrations in Cardiopulmonary Science and Radiography.

All programs offered in the department call for a high degree of individual motivation, good physical health, and manual dexterity. Instruction is individualized and performance standards are exacting.

One class per year is admitted for all programs. Students are required to attend designated consecutive semesters to complete the programs.

The number of students admitted to each of the allied health career programs is limited. Admission is based on: successful completion of the admission requirements; interview with an admissions committee composed of professionals in the appropriate field; and space availability. The number of applicants admitted to each program is determined by several factors, including the number of available seats for clinical experiences, the predicted number of positions available in the health care industry for graduates, and enrollment limitations imposed by accreditation agencies. This limitation in class size and the increasing popularity of the programs has created a highly competitive situation for applicants. Applicants will be notified in writing of the actions taken by the respective admission committees.

Students must apply and be admitted to East Tennessee State University. Students must also complete a Nave Center application.

MAJOR: ALLIED HEALTH
Bachelor of Science Degree (B.S.)

The baccalaureate degree in Allied Health (B.S.) prepares students to qualify as contributing members of the allied health team dedicated to the conservation of life and the maintenance of health. The B.S. degree offers concentrations in Cardiopulmonary Science and Radiography. The program correlates didactic and clinical instruction enabling the student to be competent in his/her specific concentration area. This approach will enable graduates to perform tasks as identified in the respective scopes of practice as autonomous health care providers. Students admitted to the program must have a high degree of academic background that will facilitate individual judgement, critical thinking skills, and utilization of appropriate professional decision-making skills. Students must also possess psychomotor, cognitive, and affective skills demonstrating competence, flexibility, responsibility, and sensitivity to client populations.

The B.S. degree is designed for students who have completed one or two years of pre-professional college work (a minimum of 40 semester hours) that includes the prerequisite courses required by the major. The allied health core consists of 35 credit hours and the professional phase (composed of the concentration and clinical practice components) of the curriculum consists of 48 credit hours for the Cardiopulmonary Science and Radiography concentrations. The baccalaureate degree in Allied Health requires 129 credit hours. The curriculum in each concentration's professional phase is sequential and all students must follow that schedule.

Admission Requirements for B.S.

Admission to the professional curriculum is a competitive process and is entirely separate from the student's admission to ETSU. A limited number of students are admitted annually to each concentration by an Admissions Committee. Each applicant is evaluated on the basis of academic record, personal interview, and clinical observation. Evidence of university admission, updated high school and/or college transcripts, and department application forms must be returned to the departmental office by May 1
for the applicant to be considered by the Admissions Committee.

To gain admittance to a concentration area, the student must complete all admission, health, and academic requirements. Due to the large number of applicants, limited enrollment, and accreditation standards, all candidates are evaluated through a number of different instruments.

To be considered for admission to the Bachelor of Science in Allied Health, applicants must meet the requirements for admission to ETSU. Prior to being admitted to the professional core, applicants must complete the following degree requirements:

1. Maintain a college GPA of 2.5 or better on a 4.0 scale;
2. Complete prerequisite general education and other allied health core courses as required by the concentration obtaining a grade of “C-” or better in each course within the first two attempts by the time of admission to the professional core;
3. Complete an additional minimum of 16 credit hours from the general educational core (not including prerequisite courses) maintaining a college GPA of 2.5 or better on a 4.0 scale; and,
4. Meet specific health and/or essential functions.

Prerequisite General Education and Allied Health: These prerequisite courses MUST be completed prior to enrolling in any concentration courses.

Note: These prerequisite courses are included in the General Education and Allied Health core.

HSCI 2010 Anatomy/Physiology I ...........................................3
HSCI 2011 Anatomy/Physiology Lab I .......................................1
HSCI 2020 Anatomy/Physiology II ..........................................3
HSCI 2021 Anatomy/Physiology Lab II .....................................1
HSCI 2230 Intro to Microbiology ..........................................3
HSCI 2231 Intro to Microbiology Lab ........................................1
ALHE 2010 Intro to Allied Health ............................................2
ALHE 2020 Patient Care & Assessment ....................................3
MATH 1530 Probability & Statistics - Non-Calculus ................3
CHEM 1030 Introduction to Chemistry Survey .......................4
PHYS 1030 *Introduction to Physics Survey ..........................4

Radiography Concentration Credits ...................................24
Cardiopulmonary Science Concentration Credits ..............28

*Required only for Cardiopulmonary Science Concentration

General Education Core for All Allied Health Majors
ENGL 1010 Critical Reading & Expository Writing .............3
ENGL 1020 Critical Thinking & Argumentation ...................3
MATH 1530 Probability & Statistics-Non-Calculus ..............3
PHED 1XXX Fitness Activity Category ................................1
PHED 2XXX Lifestyle Activity Category .............................1
PSYC 1310 Intro to Psychology ............................................3
HIST 2010 The United States to 1877 ...............................3
HIST 2020 The United States since 1877 ............................3
INST Elective ........................................................................3
HSCI 2010 Anatomy & Physiology I .................................3
HSCI 2011 Anatomy & Physiology Lab I ............................1
HSCI 2020 Anatomy & Physiology II ..................................3
HSCI 2021 Anatomy & Physiology Lab II ............................1
HUMANITIES Elective .....................................................3
ARTA Elective ..................................................................3
IDENTITY Elective ..........................................................3
HERITAGE Elective ..........................................................3
General education core credits .....................................46

Allied Health Core
CHEM 1030 Introduction to Chemistry Survey ..................4
HSCI 2230 Introduction to Microbiology ............................3

HSCI 2231 Introduction to Microbiology Lab ......................1
SPCH 1300 General Speech .................................................3
PUBH 2030 First Aid & Emergency Care ............................3
PUBH 2100 Health Care Systems ........................................3
ALHE 2010 Introduction to Allied Health ............................2
ALHE 2020 Patient Care & Assessment .............................3
ALHE 4060 Research in Allied Health .................................3
ALHE 4070 Leadership in Allied Health ............................3
ENVH 4000 Public Health Law ............................................3
ENTC 4350 Biomedical Instrumentation .............................4

Allied Health Core Credits ..................................................35

Cardiopulmonary Concentration
(CPSC)

Accredited by: Commission on Accreditation of Allied Health Education Programs

The Respiratory Therapist applies scientific knowledge and theory to practical clinical problems of respiratory care. The Respiratory Therapist is qualified to assume primary responsibility for all respiratory care modalities, including the supervision of certified respiratory care practitioners. The Respiratory Therapist may be required to exercise considerable independent clinical judgement, under the supervision of a physician in the treatment of patients with respiratory dysfunction. The Respiratory Therapist may perform the following respiratory care modalities: advanced airway management, pediatric and neonatal critical care, hemodynamic monitoring, metabolic cart studies, cardiopulmonary stress testing, and other advanced procedures.

Upon successful completion of the requirements for the Cardiopulmonary Science concentration, students are eligible to apply for admission to sit for three examinations administered by the National Board for Respiratory Care. Candidates are required to pass the Certified Respiratory Therapist entry-level examination as a prerequisite to the two advanced practitioner examinations.

Licensure requirements for respiratory care practitioners vary according to state statutes. In Tennessee, practitioners are required to pass the national examinations for certified and/or registered respiratory therapist respectively.

Professional Curriculum – Cardiopulmonary Science Concentration
CPSC 3000 Foundations of CPSC ..................3
CPSC 3010 Foundations of CPSC Laboratory ...........3
CPSC 3040 Pharmacology in CPSC ..................2
CPSC 3100 CPSC Critical Care .................................3
CPSC 3110 CPSC Critical Care Laboratory ..............3
CPSC 3140 CPSC Disease Pathology ......................2
CPSC 3150 Clinical Education I .................................3
CPSC 3350 Clinical Education II ...............................4
CPSC 4100 Advanced CPSC Critical Care ...............3
CPSC 4150 Clinical Education III .........................3
CPSC 4200 Neonatal & Pediatric CPSC ..................3
CPSC 4350 Clinical Education IV .........................3
CPSC 4500 CPSC Diagnostic & Therapeutic Care ..........3
PHYS 1030 Introduction to Physics Survey .................4
PUBH 4607 Gerontology .............................................3
PUBH 4007 Principles & Practice of Patient Ed ...........3
Total credit hours for Cardiopulmonary Concentration ..........48

Total Credit Hours For B.S. degree in Allied Health
(Cardiopulmonary) .........................................................129

Prerequisite courses must be completed prior to being accepted into the Cardiopulmonary Science Program in the fifth semester.
Radiography integrates scientific knowledge and technical skills with effective patient interactions to provide quality patient care and useful diagnostic information. The radiographer performs radiographic examinations that create images needed for diagnosis. Radiographers must demonstrate an understanding of human anatomy, physiology, medical terminology, pathology, radiation protection, and safety. Radiographers administer contrast media and medications in accordance with state and federal regulations and assist physicians to complete intricate medical procedures. Radiographers are the primary liaison between patients, physicians, and health agency staff. Additional duties may include equipment evaluation, conducting quality assurance programs, providing patient education, and departmental administrative functions. Radiographers are employed in health care facilities including specialized medical centers, urgent care clinics, private physicians’ offices and as educators or department administrators. Salaries and benefits are generally competitive with other health professions and vary according to experience and employment location.

Upon course completion, individuals may apply to take the national certification examination. Successful completion of the American Registry of Radiologic Technologists (ARRT) certification examination allows you to use the credential R.T.(R) following your name. The R.T. signifies registered technologist and the (R) indicates radiography.

### Professional Curriculum - Radiography Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADT 3000 Image Production &amp; Evaluation</td>
<td>4</td>
</tr>
<tr>
<td>RADT 3010 Radiation Physics</td>
<td></td>
</tr>
<tr>
<td>RADT 3020 Radiographic Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>RADT 3021 Radiographic Procedures II</td>
<td>Lab</td>
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<tr>
<td>RADT 3030 Radiographic Procedures II</td>
<td></td>
</tr>
<tr>
<td>RADT 3031 Radiographic Procedures II</td>
<td>Lab</td>
</tr>
<tr>
<td>RADT 3040 Clinical Education I</td>
<td></td>
</tr>
<tr>
<td>RADT 3050 Clinical Education II</td>
<td></td>
</tr>
<tr>
<td>RADT 3060 Radiographic Imaging &amp; Quality Assessment</td>
<td>3</td>
</tr>
<tr>
<td>RADT 3070 Radiobiology</td>
<td></td>
</tr>
<tr>
<td>RADT 4000 Clinical Education III</td>
<td></td>
</tr>
<tr>
<td>RADT 4010 Clinical Education IV</td>
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<tr>
<td>RADT 4020 Clinical Education V</td>
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<tr>
<td>RADT 4030 Radiographic Pathology</td>
<td></td>
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<tr>
<td>RADT 4040 Radiopharmaceuticals &amp; Special Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4390 Medical Imaging Equipment Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 4207 Principles of Radiological Health</td>
<td>3</td>
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<tr>
<td><strong>Total credit hours for Radiography Concentration</strong></td>
<td><strong>48</strong></td>
</tr>
<tr>
<td><strong>Total credit hours for B.S. degree in Allied Health (Radiography)</strong></td>
<td><strong>129</strong></td>
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</table>

Prerequisite courses must be completed prior to being accepted into the Radiography Concentration.
Radiography Concentration.

*Prerequisite courses must be completed prior to being accepted into the Radiography Concentration.

Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>RADT 3000 Image Production and Evaluation</td>
<td>4</td>
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<tr>
<td>RADT 3010 Radiation Physics</td>
<td>3</td>
</tr>
<tr>
<td>RADT 3020 Radiographic Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>RADT 3021 Radiographic Procedures I Lab</td>
<td>1</td>
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<tr>
<td>RADT 3040 Clinical Education I</td>
<td>2</td>
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<tr>
<td>Elective (Arts &amp; Artistic Vision)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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Junior - Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>RADT 3010 Radiation Physics</td>
<td>3</td>
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<tr>
<td>RADT 3030 Radiographic Procedures II</td>
<td>3</td>
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<tr>
<td>RADT 3031 Radiographic Procedures I Lab</td>
<td>1</td>
</tr>
<tr>
<td>RADT 3050 Clinical Education II</td>
<td>2</td>
</tr>
<tr>
<td>RADT 3060 Radiographic Imaging &amp; Quality Control</td>
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<tr>
<td>Elective (Heritage)</td>
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<td><strong>TOTAL</strong></td>
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Summer Term

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ALHE 4060 Research in Allied Health</td>
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<tr>
<td>ENVH 4000 Public Health Law</td>
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</tr>
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<td>RADT 4010 Clinical Education IV</td>
<td>3</td>
</tr>
<tr>
<td>RADT 4040 Radiopharmaceuticals &amp; Special Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ENTC 4350 Medical Imaging Equipment Technology</td>
<td>3</td>
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<tr>
<td><strong>TOTAL</strong></td>
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</table>

Senior - Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENTC 4350 Biomedical Instrumentation</td>
<td>4</td>
</tr>
<tr>
<td>RADT 4020 Clinical Education V</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 4207 Principles of Radiological Health</td>
<td>3</td>
</tr>
<tr>
<td>RADT 4030 Radiographic Pathology</td>
<td>3</td>
</tr>
<tr>
<td>ALHE 4070 Leadership in Allied Health</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Total credit hours for program: **129**

Advance Standing/Transfer Students

Eligible graduates of accredited university, community college, or certificate programs who seek additional study in allied health at the baccalaureate level may be given advance standing through articulation agreements, comprehensive examinations, and/or validation processes governed by ETSU policies. Individuals who are interested in this process should contact the program directors of the specific allied health concentration.

Department of Public Health (PUBH)

P.O. Box 70674 Phone: 423/439-4332

The Bachelor of Science degree through the Department of Public Health prepares students for careers as public health professionals. There are currently four program concentrations offered - Community Health, Patient Education, School Health, and Health Administration. Through these concentrations, students gain the knowledge and skills necessary to become effective as health educators, administrators, and community health specialists who are capable of developing and implementing health programs for a variety of health care settings.

Students completing the community health or school health education program concentrations are eligible to sit for the national certification exam - Certified Health Education Specialist (CHES), within six months of graduation. Students completing the health administration option with a minor in management and completing an internship at a long-term care facility may take the Tennessee State Licensing Exam for Nursing Home Administrator.

The department has an approved teacher education program (school health concentration). These students can seek licensure by the Tennessee State Board of Education. Please review the Department of Curriculum and Instruction (CUAI) section of this catalog for teacher education admission and professional education requirements.

Students enrolling in the Community Health concentration may elect the Interdisciplinary Rural & Community Health program option. This option focuses on work in communities through interdisciplinary projects with students from the Colleges of Medicine and Nursing over four semesters. A field placement is not required for students completing this option.

General Education Requirements (for all majors)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1100 Using Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2210 Principles of Economics I</td>
<td>3</td>
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<tr>
<td>HSCI 2010/11 Anatomy &amp; Physiology I or</td>
<td>4</td>
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<tr>
<td>HSCI 2230/31 Introduction to Microbiology</td>
<td>4</td>
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<tr>
<td>MATH 1820 Calculus for Business</td>
<td>3</td>
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<tr>
<td>MATH 1530 Probability and Statistics-Non-Calc</td>
<td>3</td>
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<tr>
<td>PHIL 2640 Science and the Modern World</td>
<td>3</td>
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<tr>
<td>PSYC 1310 Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>SOAA 2020 Social Problems &amp; Human Values</td>
<td>3</td>
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</table>

Additional required general education core courses: 32 credits

(See General Education Core Requirements) 47-50 credits.

Public Health Core (required of all majors):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PUBH 1010 Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 1020 Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 2100 Health Systems</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3000 Introduction to Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 3040 Environmental Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3080 Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>*PUBH 4850 Field Experience or</td>
<td>3</td>
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<tr>
<td>CUAI 4580 Student Teaching</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

*Not required for Interdisciplinary Rural & Community Health
I. Requirements for Community Health Concentration:
(See General Education and Public Health Core Requirements listed above)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PUBH 2750 Medical Terminology</td>
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<tr>
<td>PUBH 3010 Accident Prevention</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3120 Principles of Public Health</td>
<td>4</td>
</tr>
<tr>
<td>PUBH 3130 Principles &amp; Methods of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3200 Health Services Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3220 Health Services Planning</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3500 Consumer Health Education</td>
<td>2</td>
</tr>
<tr>
<td>PUBH 4030 Community Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4060 Comm. Org. for Pub Hlth Ed Programs</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4220 Family Health/Human Sexuality</td>
<td>2</td>
</tr>
<tr>
<td>PUBH 4357 Thanatology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4607 Gerontology and Health</td>
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</table>

Total 34-37 credits

II. Requirements for Health Care Administration Concentration
(See General Education and Public Health Core Requirements listed above)

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PUBH 3200 Health Services Admin</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3220 Health Services Planning</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3600 Quality &amp; Util. Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3950 Prin of Pub Hlth Research</td>
<td>3</td>
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<tr>
<td>PUBH 4607 Gerontology &amp; Health</td>
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Electives (Guided & General) 19-22 credits

Total 32 credits

III. Requirements for Patient Education Concentration:
(See General Education and Public Health Core Requirements listed above)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PUBH 2030 First Aid &amp; Emerg. Care</td>
<td>3</td>
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<tr>
<td>AHSC 2420 Principles of Nutrition</td>
<td>3</td>
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<tr>
<td>PUBH 2750 Medical Terminology</td>
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<tr>
<td>PUBH 3120 Prin &amp; Pract of Pub Hlth Educ</td>
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<tr>
<td>PUBH 3500 Consumer Health Education</td>
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<td>PUBH 4007 Prin &amp; Pract of Patient Educ</td>
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<tr>
<td>PUBH 4357 Thanatology</td>
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<tr>
<td>PUBH 4500 Pathophysiology of Disease</td>
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<td>PUBH 4937 Stress Management</td>
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<tr>
<td>HDAL 4007 Applications of Group Process</td>
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Total 32 credits

IV. Requirements for School Health Concentration:
(See General Education and Public Health Core Requirements listed above)

Students preparing for education licensure are required to include certain courses in the General Education Core. [See the Department of Curriculum and Instruction (CUA) and the College of Education advisor.]

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PUBH 2030 First Aid &amp; Emerg. Care</td>
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<td>PUBH 2120 School Health Education</td>
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<td>AHSC 2420 Principles of Nutrition</td>
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<td>PUBH 3010 Accident Prevention</td>
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<td>PUBH 3130 Prin &amp; Methods of Hlth Educ</td>
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<td>PUBH 4357 Thanatology</td>
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<td>PUBH 4607 Gerontology &amp; Health</td>
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Total 25 credits

Licensure (K-12) – Consists of 31 hours and includes the following courses: Personal Health 1010, Health Sciences 2010-11, Health Sciences 2020-21, and/or Health Sciences 2230-31, First Aid and Emergency Care 2030, Principles of Nutrition 2420, School Health 2120, Environmental Sanitation 3040, Consumer Health 3500, Thanatology 4357, Gerontology 4607, and Community Health 4030.

Minor – A minor in Public Health consists of 22 hours and includes Personal Health 1010, First Aid and Emergency Care 2030, School Health 2120, Microbiology 1230-31 or 3220-21, Community Health 4030, and any three of the following courses: Accident Prevention 3010, Consumer Health Education 3500, Gerontology 4607, Family Health 4220, or Thanatology 4357.

Transfer Students – Transfer students who major or minor in public health shall earn a minimum of 18 hours of credit (12 hours must include either field experience or student teaching) with an average grade of “C” or above in this department. (See section of catalog on transfer students for other requirements.)

Graduate Study – The Department of Public Health offers graduate courses for an M.P.H. degree. Further information on the graduate program is contained in the Graduate Catalog.

Emergency/Disaster Response Management Minor

Required Courses:

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<th>Course</th>
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<tr>
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<td>PUBH 2030 First Aid and Emergency Care</td>
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Guided Electives:

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<td>3</td>
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<td>ENVH 3500 Environmental Safety</td>
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<td>ENVH 4207/5207 Radiological Health</td>
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<td>PUBH 1010 Personal Health</td>
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<td>PUBH 3010 Accident Prevention</td>
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<td>PUBH 4030 Community Health</td>
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Total 18 credits
### CURRICULUM
#### Community Health Concentration

#### Freshman - Fall Semester

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<td>The United States to 1877</td>
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<td>ECN 2210</td>
<td>Principles of Economics</td>
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<td>Social Problems &amp; Human Values</td>
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<td>Anatomy &amp; Physiology</td>
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<tr>
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<td>Health Systems</td>
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<td>Consumer Health Education</td>
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<td>Biostatistics</td>
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<td>Family Health &amp; Human Sexuality</td>
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<td>Principles &amp; Practices of Health Education</td>
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<td>Accident Prevention</td>
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<td>PUBH 4060</td>
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#### Total Credit Hours for degree: 132

### Health Care Administration Concentration

#### Freshman - Fall Semester

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<td>Principles of Economics</td>
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#### Sophomore - Fall Semester

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#### Sophomore - Spring Semester

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<tbody>
<tr>
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Junior - Fall Semester

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<td>Health Services Administration</td>
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<td>PUBH 3600</td>
<td>Quality &amp; Utilization Assessment</td>
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Junior - Spring Semester

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<td>Health Services Planning</td>
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<td>Principles Public Health Research</td>
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Senior - Fall Semester

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Senior - Spring Semester

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Total Credit Hours for degree: 129

Patient Education Concentration

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<tbody>
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<td>The United States to 1877</td>
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Sophomore - Fall Semester

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Sophomore - Spring Semester

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<td>Science</td>
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Junior - Fall Semester

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Junior - Spring Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PUBH 3080</td>
<td>Principles of Epidemiology</td>
<td>3</td>
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<td>PUBH 2750</td>
<td>Medical Terminology</td>
<td>3</td>
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<tr>
<td>ENVH 3040</td>
<td>Environmental Sanitation</td>
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<td>PUBH 4500</td>
<td>Pathophysiology of Disease</td>
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<td>PUBH 4937</td>
<td>Stress Management</td>
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<tr>
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<td><strong>TOTAL</strong></td>
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Senior - Fall Semester

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>PUBH 4357</td>
<td>Thanatology</td>
<td>3</td>
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<tr>
<td>PUBH 4007</td>
<td>Principles &amp; Practices of Patient Education</td>
<td>3</td>
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<tr>
<td>HDAL 4007</td>
<td>Applications of Group Process</td>
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Senior - Spring Semester

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<tr>
<td>PUBH 4850</td>
<td>Field Experience</td>
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Total Credit Hours for degree: 128

School Health Concentration

Freshman - Fall Semester

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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Critical Reading/Expository Writing</td>
<td>3</td>
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<tr>
<td>HIST 2010</td>
<td>The United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2210</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>SOAA 2200</td>
<td>Social Problems &amp; Human Values</td>
<td>3</td>
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<tr>
<td>PHED 1020</td>
<td>Orientation to Profession of Education</td>
<td>3</td>
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Freshman - Spring Semester

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<tbody>
<tr>
<td>ENGL 1020</td>
<td>Critical Thinking/Argumentation</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1310</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>CSCI 1100</td>
<td>Using Information Technology</td>
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<tr>
<td>PHIL 2640</td>
<td>Science and the Modern World</td>
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<tr>
<td>PHED 1020</td>
<td>Lifetime</td>
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Sophomore - Fall Semester

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<td>HSCI 2010/11</td>
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<td>PUBH 3130</td>
<td>Principles &amp; Methods of Health Education</td>
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<td>HDAL 3310</td>
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Sophomore - Spring Semester

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<tr>
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<tr>
<td>PUBH 3080</td>
<td>Principles of Epidemiology</td>
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<tr>
<td>ENVH 3040</td>
<td>Environmental Sanitation</td>
<td>3</td>
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<tr>
<td>PUBH 3010</td>
<td>Accident Prevention</td>
<td>3</td>
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<tr>
<td>SPED 2300</td>
<td>Exceptional Learners in Schools &amp; Comm.</td>
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<td>MEDA 3570</td>
<td>Educational Technology</td>
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Junior - Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PUBH 4357</td>
<td>Thanatology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4220</td>
<td>Family Health &amp; Human Sexuality</td>
<td>2</td>
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<tr>
<td>PUBH 4607</td>
<td>Gerontology</td>
<td>3</td>
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<tr>
<td>CUAJ 4417</td>
<td>Secondary School Curriculum &amp; Methodology</td>
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Junior - Spring Semester

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CUAJ 4580</td>
<td>Student Teaching</td>
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<tr>
<td>EDFN 4581</td>
<td>Seminar in Education</td>
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<tr>
<td><strong>TOTAL</strong></td>
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</table>

Total Credit Hours for degree: 132
The School of Graduate Studies currently offers 15 master's degrees, covering a wide range of academic disciplines, as well as the Education Specialist degree (Ed.S), the Doctor of Audiology (Au.D), the Doctor of Education (Ed.D), the Doctor of Philosophy (Ph.D), and the Doctor of Science in Nursing (D.S.N) degrees. In addition to these degree programs, ETSU offers four graduate certificates: Business Administration, Gerontology, Health Care Management, and Advanced Nursing Practice.

Specific degree and certificate program requirements are found in the Graduate Catalog. Upon completion of the bachelor's degree, a student may take courses in a degree program or as a non-degree graduate. Undergraduates are welcome to apply for admission during their final year of coursework and can be admitted contingent upon completion of the undergraduate degree.

**Graduate Liaisons**

Each graduate program or major is represented by a Graduate Liaison who is prepared to assist students with all aspects of the graduate process, from admission through graduation. If you have questions or would like to explore options for graduate study, please contact the appropriate Liaison listed below:

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Programs and Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robin O’Dell</td>
<td><a href="mailto:odel@etsu.edu">odel@etsu.edu</a></td>
<td>Non-Degree Students, Counseling, Early Childhood Education, Elementary and Secondary Education, MAT, Media Services, Physical Education, Reading/Storytelling, and Special Education</td>
</tr>
<tr>
<td>Mary Duncan</td>
<td><a href="mailto:duncanm@etsu.edu">duncanm@etsu.edu</a></td>
<td>Audiology, Biomedical Sciences, Environmental Health, Nursing, Physical Therapy, Public Health, Speech Pathology, and three programs: Advanced Nursing Practice, Gerontology, and Health Care Management</td>
</tr>
<tr>
<td>Judy Lawson</td>
<td><a href="mailto:lawsonj@etsu.edu">lawsonj@etsu.edu</a></td>
<td>MBA, Accountancy, City Management, Public Administration, all degrees in Educational Leadership and Policy Analysis, the Certificate in Business Administration, and Social Work</td>
</tr>
<tr>
<td>Gail Powers</td>
<td><a href="mailto:powersg@etsu.edu">powersg@etsu.edu</a></td>
<td>Art, Biology, Chemistry, Clinical Nutrition, Computer Science, Criminal Justice, English, History, Mathematics, Microbiology, Music Education, Professional Communication, Psychology, Sociology and Anthropology, Technology, and the Master of Arts in Liberal Studies</td>
</tr>
</tbody>
</table>

**Application for Graduate Study**

Any student wishing to take graduate courses, whether degree seeking or non-degree, may submit a traditional paper application or an electronic application. Paper applications are available in the Graduate Office, located at 920 Maple Street, and will be mailed on request. Electronic applications are available at the Graduate School web site: [http://www.etsu.edu/gradstud/gradad.htm](http://www.etsu.edu/gradstud/gradad.htm)

Both paper and electronic formats contain complete instructions and requirements for admission.

**Non-Degree Students**

Students who wish to take graduate coursework but do not wish to pursue a graduate degree should apply for admission as Graduate Non-Degree students. Graduate Non-Degree classification is limited to those students who have earned a bachelor's degree and who wish to take graduate-level classes. All Graduate Non-Degree applicants must provide official transcripts verifying that they have earned a bachelor's degree from a regionally accredited institution and must receive approval to register from the chair or graduate coordinator of the appropriate department. All questions regarding non-degree status should be directed to Robin O’Dell, (423) 439-6148, odel@etsu.edu.

**Advanced Admission for Undergraduates**

A senior lacking no more than nine semester hours for graduation at East Tennessee State University may petition to register for graduate courses during the final semester of undergraduate enrollment. The petition form is available in the Graduate Office. The following stipulations apply:
1. Student must be within 9 hours of completion of the undergraduate degree at ETSU.
2. The total course load for a senior enrolled for graduate coursework may not exceed 12 credit hours.
3. Student must meet the undergraduate grade point average required in his or her specific program.
4. Undergraduate degree must be completed during the semester in which the student is allowed to register for graduate work.

**Graduate Catalog**

The School of Graduate Studies issues a Catalog which includes detailed information about graduate program offerings and requirements for admission. The Catalog is available in hard copy and online. For a hard copy, please send an e-mail to gradsch@etsu.edu or write to the School of Graduate Studies, East Tennessee State University, P.O. Box 70720, Johnson City, TN 37614-1710. The online Catalog is available at: [http://www.etsu.edu/reg/grad-cat-index.htm](http://www.etsu.edu/reg/grad-cat-index.htm)
## Course Listing

<table>
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<tr>
<th>Abbrev.</th>
<th>Description</th>
<th>Abbrev.</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACCT</td>
<td>Accountancy</td>
<td>JAPN</td>
<td>Japanese</td>
</tr>
<tr>
<td>ADVR</td>
<td>Advertising</td>
<td>JOUR</td>
<td>Journalism</td>
</tr>
<tr>
<td>AFAM</td>
<td>African and African American</td>
<td>LANG</td>
<td>Foreign Languages</td>
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<tr>
<td>AHSC</td>
<td>Applied Human Sciences</td>
<td>LATN</td>
<td>Latin</td>
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<tr>
<td>ALHE</td>
<td>Allied Health</td>
<td>MATH</td>
<td>Mathematics</td>
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<td>ALNU</td>
<td>Adult Nursing</td>
<td>MCOM</td>
<td>Mass Communications</td>
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<td>APST</td>
<td>Appalachian Studies</td>
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<td>Educational Media and Educational Technology</td>
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<td>ARTA</td>
<td>Art and Design</td>
<td>MGMT</td>
<td>Management</td>
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<td>Astronomy</td>
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<td>Business Administration</td>
<td>MSCI</td>
<td>Military Science</td>
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<td>General Studies</td>
<td>MUSC</td>
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<td>CDIS</td>
<td>Communicative Disorders</td>
<td>PHED</td>
<td>Physical Education, Exercise, and Sport Sciences</td>
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<td>CHEM</td>
<td>Chemistry</td>
<td>PHIL</td>
<td>Philosophy</td>
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<td>Criminal Justice and Criminology</td>
<td>PHYS</td>
<td>Physics</td>
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<tr>
<td>CPSC</td>
<td>Cardiopulmonary Science</td>
<td>PHYT</td>
<td>Physical Therapy</td>
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<td>CSCI</td>
<td>Computer and Information Sciences</td>
<td>PMNU</td>
<td>Professional Roles/Mental Health Nursing</td>
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<td>CUAI</td>
<td>Curriculum and Instruction</td>
<td>PSCI</td>
<td>Political Science</td>
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<td>Dental Hygiene</td>
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<td>DIGM</td>
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<td>PUBH</td>
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<td>Economics</td>
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<td>Sports and Leisure Management</td>
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<td>Foundations of Education</td>
<td>SCED</td>
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<td>Educational Leadership and Policy Analysis</td>
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<td>FCNU</td>
<td>Family/Community Nursing</td>
<td>SPED</td>
<td>Special Education</td>
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<td>FNCE</td>
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<td>FREN</td>
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<td>Humanities</td>
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## Accountancy

### ACCT 2010. Principles of Accounting I (3 credits)
- **Prerequisite:** Required freshman Math courses as defined by the student’s major. A study of accounting theory and procedures underlying financial statement preparation. Additional topics include accountability, financial auditing, financial statement analysis, and income tax accounting.

### ACCT 2020. Principles of Accounting II (3 credits)
- **Prerequisite:** ACCT 2010. A continuation of ACCT 2010 and a study of management accounting including costing, cost-volume-profit analysis, budgeting, productivity analysis, capital investment decisions, planning and control, and managerial decision-making in advanced manufacturing environments. Additional topics include accounting information systems and quality control measurements.

### ACCT 3000. Professionalism in Accountancy (3 credits)
- **Prerequisite:** A minimum grade of "C" (2.0) in ACCT 2010 and 2020; junior standing.
  - This course emphasizes professional ethics and legal requirements of the accounting profession, report writing, impact of Securities and Exchange Commission and other regulatory agencies, career choices in accountancy, and legal and educational requirements of various professional certifications.

### ACCT 3010. Financial Accounting I (3 credits)
- **Prerequisite:** A minimum grade of "C" (2.0) in ACCT 2010 and 2020; junior standing.
  - An advanced study of financial accounting and reporting including historical development, theoretical structure, the accounting process, financial statements, revenue recognition, current asset and liability recognition, and inventory valuation.

### ACCT 3020. Financial Accounting II (3 credits)
- **Prerequisites:** ACCT 3000 and 3010 with a minimum grade of "C" (2.0) and admission to a major.
  - Continuation of ACCT 3010. A study of financial accounting theory and practice for recording and reporting plant assets, financial instruments, income taxes, stockholders’ equity, earnings per share, and capital maintenance theories.

### ACCT 3090. Administrative Accounting (3 credits)
- **Prerequisite:** ACCT 2020; junior standing.
  - The study of accounting as it relates to administrative planning and control in the business environment. Topics addressed will include budgeting, responsibility accounting systems, financial statement analysis, and special quantitative decision techniques. NOT FOR ACCOUNTANCY MAJORS OR MINORS.

### ACCT 3110. Management Accounting (3 credits)
- **Prerequisite:** ACCT 2020; junior standing.
  - A study of cost accounting emphasizing job order costing, process costing, capital budgeting, and budget control analysis.

### ACCT 3410. Federal Income Taxes (3 credits)
- **Prerequisite:** ACCT 2020; junior standing.
  - A study of federal income tax law with emphasis on taxation of individuals with an introduction to taxation of partnerships and corporations.

### ACCT 4010. Advanced Financial Accounting (3 credits)
- **Prerequisite:** ACCT 3020 and admission to a major.
  - A study of leases, pension, and stock options. A study of accounting theory to partnerships, branches, business combinations, consolidated financial statements, installment sales, consignments, and corporate reorganization.

### ACCT 4018. Senior Honors Seminar (3 credits)
- **Prerequisite:** ECON 3088 and admission to the College of Business Honors Program. A seminar for College of Business honors students who are working on senior honors theses or their approved projects. Upon successful completion of the course, students will have demonstrated the ability to complete the research process by creating a written product suitable for submission to the College of Business faculty.

### ACCT 4127/5127. Cost Accounting II (3 credits)
- **Prerequisite:** ACCT 3110.
  - A study of cost accounting emphasizing managerial cost information for forecasting, planning, control, and behavioral factors.

### ACCT 4310. Accounting Information Systems (3 credits)
- **Prerequisite:** ACCT 3020 and 3110; CSCI 1100; MGMT 3220 and admission to a major.
  - A study of accounting information systems concepts and applications. Topics include conceptual foundation of AIS, technology of information systems, design processes and concepts, and AIS applications in several functional areas.

### ACCT 4427/5427 Federal Income Taxes II (3 credits)
- **Prerequisite:** ACCT 3410.
  - Continuation of ACCT 3410. A study of federal income taxation of partnerships, corporations, trusts, gifts, and estates.

## Advertising

### ADVR 2070. Advertising Graphics (3 credits)
- **Prerequisite:** Fundamentals and practice in the creation and production of advertising communication using computer technology.

### ADVR 3240. Advertising Principles (3 credits)
- **Prerequisite:** ADVR 3240 and a grade of “C” or better in ADVR 2070. Instruction and practice in preparing advertising copy and layouts for presentation to potential customers. Ideas and their translation into persuasive words and pictures for both print and broadcast media.
ADVR 3260. Radio/TV Advertising (3 credits) — Prerequisite: RTVF 2600 or ADVR 3240. The role of the radio and television industry as an advertising medium with a study of its organization, its agencies and principles, and practices in the techniques of advertising campaigns.

ADVR 3270. Advertising Media Planning (3 credits) — Prerequisite: ADVR 3250 or consent of instructor. Instruction in fundamental concepts of media-buying decisions, including media arithmetic, creative strategy, and vehicle selections.

ADVR 3750. Advertising Campaign Management (3 credits) — Cross-listed with MKTG 3750. Prerequisite: ADVR 3270. Instruction in planning and implementing the complete advertising campaign. Stresses managerial practices of: setting objectives, creative and media strategies, budgeting, measuring effectiveness, and dealing with agencies. (Students cannot receive credit for both ADVR 3750 and MKTG 3750).

ADVR 4080. Advertising Internship (3 credits) — Prerequisite: Permission of instructor. Supervised professional experience in advertising.

ADVR 4101. Topics in Advertising (2-6 credits)

ADVR 4250. Advertising Agency Management (3 credits) — Prerequisite: ADVR 3270. Instruction in the decision-making processes of advertising agency managers; current social, legal and ethical issues; advertising agency relations; and agency management. Students will generate alternatives and develop solutions using case study methods.

ADVR 4900/5900. Independent Studies in Advertising (1-3 credits)

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

ADVR 5101. Topics in Advertising (1-6 credits)
ADVR 5900 Independent Study in Advertising (1-3 credits)

African & African American
AFAM

AFAM 3989. Cooperative Education (3 credits) — Prerequisite. Permission of program advisor. May not be repeated for credit. Planned and supervised employment which is related to African/African-American Studies.

AFAM 3999. Cooperative Education (3 credits) — Prerequisite. Permission of program advisor. May not be repeated for credit. An extension of a planned and supervised employment which is related to African/African-American Studies.

AFAM 4900. Special Studies (3 credits) — Prerequisite: Permission of program advisor. May provide credit for an approved travel-study program or an approved program of independent study. Designed to afford opportunities for study not provided for in regular course offerings for undergraduates.

AFAM 4950. Senior Seminar (3 credits) — Prerequisite: SOAA 3110 and a total of 12 credits in African and African-American Studies. An integrated, interdisciplinary study of a selected topic in African and African-American Studies; requires a student research study.

Applied Human Sciences
AHSC

AHSC 1038. Honors Orientation Seminar (1 credit) — Prerequisite. Admission to College of Applied Science and Technology or University Honors Program. This course will fully orient the student to the College expectation for an honors student. Discussion and activities will relate to preparation for academic success and developing information technology skills.

AHSC 1110. Family Development (3 credits) — The study of individual development beginning with infancy and continuing through the formation of the family. Basic concepts, principles, and issues in human and family growth will be stressed.

AHSC 1410. Food Selection and Preparation (4 credits) — Food selection, preparation, and management for all food classifications. Consumer concerns and meal organization to meet nutritional needs. Laboratory activities will demonstrate desirable standard products. Laboratory.

AHSC 1510. Career Management in Applied Human Sciences (3 credits) — Prerequisite: Freshman standing or permission of instructor. Introduction to the development, scope, and characteristics of career opportunities addressed in the Department of Applied Human Sciences curriculum and professional organizations. Emphasis on goal setting, decision making, and resource management as applied to personal and professional lives. Required of all first semester AHSC freshmen.

AHSC 1620. Introduction to Contemporary Interiors (3 credits) — Co-requisite: Concurrent enrollment with ARTA 1110. An introductory study of the basic elements and principles for creative, comfortable, and aesthetically pleasing contemporary interiors. An emphasis is placed on the use of interior materials. Professional designer techniques are introduced.

AHSC 1621. Design Communications: Studio I (3 credits) — Co-requisite: Concurrent enrollment with ENTC 2410. Introduction to the terminology and symbols used in interior design. Students develop floor plans, sections, 3-D models and paraline drawings to communicate ideas.

AHSC 2000. Preparation for Marriage (3 credits) — A study in human relations in dating, courtship, early marriage, alternatives, and variations. Special attention will be given to personal self-development, mate selection, role expectations, contraception and conception, child rearing and personal, social and sexual adjustment in premarital, marital, and extramarital experiences.

AHSC 2038. Honors Professional Ethics (3 credits) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program and sophomore standing. A case-study approach to basic ethical issues likely to confront engineers, computer scientists, family and consumer scientists in their professional practices.

AHSC 2110. Infant/Toddler/Child Development (3 credits) — An in-depth study of the physical, cognitive, and socio-emotional development of the child from birth through age nine. Development, care, and guidance of the child will also be examined in relationship to the various developmental theories. Family and other socialization agents will be explored.

AHSC 2120. Foundations of Early Childhood Development (3 credits) — Permission of education professional advisor must be obtained for all TRED and ECDV majors. TRED and ECDV majors must pass the mandated state exam before enrollment in this course. An overview of early childhood development and services for young children and their families. Will include historical roots, societal changes, needs of young children, program differentiation, and future trends.

AHSC 2205. Principles of Clothing (4 credits) — Study of concepts involved in the use of commercial patterns to construct basic apparel products. Emphasis will be placed on construction principles and personal fit. Class meets double periods.

AHSC 2220. Consumer Clothing Concerns (3 credits) — An exploration of clothing in relation to the individual, the family, and society. The social psychology of clothing, and essential factors in consumer clothing decisions will be emphasized.

AHSC 2420. Principles of Nutrition (3 credits) — Introduction of scientific nutrition principles with emphasis on nutritional requirements; dietary sources of nutrients; nutrient utilization; and the impact of nutrition on energy intake and weight control, fitness, disease prevention, the life cycle, food technology, food safety, and the environment.

AHSC 2611. Kitchen and Bath Planning (3 credits) — Prerequisite: AHSC 1620, 1621 and ARTA 1110. Co-requisite: Concurrent enrollment with AHSC 3615. Integration of body measurements, movements, sensory mechanisms, and aesthetic considerations into supportive and attractive furnishings, equipment, accessories, and lighting in kitchen and bath settings.

AHSC 2620 Design for Human Behavior (3 credits) — Prerequisite: AHSC 1621 and ARTA 1110. Exploration of the relationships between the designed environment and the behavior, feelings, and values of occupants. Introduction to proxemics, territoriality, way-finding, and other environment/behavior concepts.

AHSC 2630. Presentation: Studio II (3 credits) — Prerequisite: AHSC 1620, 1621 and ARTA 1110 or 1204; or consent of instructor. Etching, simulation, display, typography, and other visual techniques to convey design concepts.

AHSC 2989-99. Cooperative Education (1-3, 1-3 credits)

AHSC 3030. Technical Communication (3 credits) — Prerequisite: ENGL 1010 and 1020. Preparation of written information on scientific and technical fields, including reports, specifications, handbooks, and papers designed for publication in technical and scientific journals. Exercises in oral communication as applied to scientific and technical fields will also be an integral part of the course.

AHSC 3048. Honors Methods of Research (3 credits) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program. Analysis of the materials and methods of research appropriate to Applied Science and Technology.

AHSC 3110. Parent/Child/School Relations (3 credits) — A study of the parent-child relationship as it evolves from the prenatal period through adolescence. Theoretical approaches describing the parent-child socialization process will be examined with emphasis on the parenting environment and child outcomes.
AHSC 3120. Computers and Technology in Early Childhood (1 credit) — Prerequisite: CSCI 1100. This course is designed to provide a comprehensive overview of the application of computers in the early childhood setting. Theory, research, and application as it relates to the use of computers in the early childhood setting will be reviewed. Students will acquire the skills to evaluate and assess the appropriateness of computer software, learn how to design and implement a computer station in the early childhood setting, and acquire the knowledge to integrate computers into the existing early childhood curriculum. Laboratory work with microcomputers and technology will be required.

AHSC 3140. Guiding Young Children (3 credits) — The student will develop the skills and techniques necessary in handling behavioral and disciplinary issues of the child from birth through age 9. Student will also create and design creative experiences and activities for children from birth through age 9 in a variety of professional settings.

AHSC 3210. Apparel Quality Analysis (4 credits) — Prerequisite: AHSC 2205 or departmental approval. Application of advanced clothing construction techniques in the development of analysis skills for determining quality of apparel products. Construction skills, time management, solutions to problems of fit, and experience with contemporary fabrics and designs will be emphasized. Class meets double periods.

AHSC 3220. Textiles (I) (3 credits) — Prerequisite: BIOL 1010/1011 and BIOL 1020/1021 or CHEM 1110/1111 and Chem 1120/1121 or CHEM 1030 and PHYS 1030 and junior standing. Study of textiles from fiber to finished fabric, with emphasis on fiber characteristics, yarn structures, and fabrications which determine choice, uses, and care of textile products. All topics studied will emphasize a consumer point of view. New developments in legislation and current issues in textiles will be explored.

AHSC 3221. Textiles (II) (3 credits) — Prerequisite: AHSC 3220 or departmental approval. Study of fabric classifications, finishes, and dyeing and printing processes. Emphasis will be placed on appropriate consumer choice, use, and care of apparel and home furnishings textile products and will include discussion of textile and apparel economics, new developments in legislation, and current issues in textiles.

AHSC 3230. Fashion Fundamentals (3 credits) — Prerequisite: Junior standing. An overview of the fashion business. The influence of historic costume on modern dress, fashion terminology, design processes, techniques of analysis and prediction, and fundamentals of apparel manufacturing will be explored.

AHSC 3420. Nutrition Throughout the Lifecycle (3 credits) — Prerequisite: AHSC 2420. An in-depth discussion of nutritional needs throughout the lifecycle with special emphasis on pregnancy, lactation, infancy, childhood, adolescence and during aging. Specific attention will be given to nutritionally related problems seen in these periods, including the premature infant and the pregnant adolescent.

AHSC 3430. Community Nutrition (3 credits) — Prerequisite: AHSC 2420. Current trends in nutrition programs on the local, state, federal, and international levels and methods used to survey populations. Food practices of subcultures within the U.S. and their nutritional impact.


AHSC 3465. Human Nutrition and Metabolism (3 credits) — Prerequisite: AHSC 2420. Co-requisite: HSCI 3020 or equivalent, BIOL 3000/01 or equivalent. A study of the digestion, absorption, metabolism, storage, and excretion of nutrients with emphasis on the adult stage of the life cycle.

AHSC 3610. Historical Interiors (3 credits) — Prerequisite: AHSC 1620, 1621 and ARTA 1110 or 1204. A historical survey of interiors from antiquity through the current issues of the child from birth through age 9. Student will also create and design creative experiences and activities for children from birth through age 9 in a variety of professional settings.

AHSC 3615. Space Planning: Studio III (3 credits) — Prerequisite: AHSC 1620, 1621, and 2630. Co-requisite: Concurrent enrollment with AHSC 2611. Application of the space planning process to meet codes, standards, and program requirements for interior spaces up to 10,000 square feet.

AHSC 3621 Residential Design and Housing (3 credits) — Prerequisite: AHSC 2611, 2630, & 3615. Advanced residential design and housing issues.

AHSC 3625. AutoCAD for Interior Designers (3 credits) — Prerequisite: CSCI 1100. A technology-intensive course on computer-aided design skills specifically for interior design students through the use of AutoCAD software, architectural examples, and self-paced learning techniques.

AHSC 3630. Advanced Lighting (3 credits) — Prerequisite: AHSC 2611. Concurrent registration with AHSC 4611. Advanced study of lighting for various non-residential applications. Emphasis on selection criteria and effects.

AHSC 3650. Contract Design (3 credits) — Prerequisite: ENTC 2410 and 2160; AHSC 3621. Concurrent registration with AHSC 4610 and instructor approval. Laws, codes, standards, and specifications relative to nonresidential interiors.

AHSC 3899-99 Cooperative Education (1-3, 1-3 credits)

AHSC 4018. Honors Thesis (3 credits) — Prerequisite: Satisfactory completion of all college honors classes and advisor approval. The thesis is a capstone academic experience bringing into focus the result of the student’s learning and career interest.

AHSC 4048. Honors International Study (3 credits) — Prerequisite: Satisfactory completion of all CAST Honors courses or college honors committee approval. This course will consist of a two-week international study and cultural experience in addition to a re-tour orientation.

AHSC 4127/5127. Divorce: Causes and Consequences (3 credits) — Explores the social-psychological impact of divorce on families. The economics, legal, social, emotional, co-parental, and former spouse consequences of divorces will be discussed. The various theoretical models explaining both the movement toward divorce, as well as the divorce transition, will be described. Special attention will be given to the impact of divorce on children.

AHSC 4137/5137. Youth Violence - Intervention to Prevention (3 credits) — This course is designed to inform and train individuals in a variety of fields that deal with children and youth. The course is a combination of defining the concept of violence in society, evaluating current research in the field, and looking at practical strategies for developing protective factors for youth. Students will view various media representations of violence patterns and solutions, review current literature, and listen to some brief lecture material. The majority of time will be spent on student interaction with each other and the instructor.

AHSC 4167/5167. Student Teaching: Pre-K to K (6 credits) — A supervised 150-credit practicum in an approved early childhood program. Seminars will be held to coordinate and evaluate experience. (Must be taken with HDAL 4617 Early Childhood Practicum)

AHSC 4217/5217. Furniture Marketing (3 credits) — Prerequisite: Senior level. An overview of all aspects of furniture marketing in the United States. This course is designed to give the student a foundation in furniture marketing from the perspective of both the furniture manufacturer and the furniture retailer.

AHSC 4220. Fashion Merchandising (3 credits) — Prerequisite: AHSC 3230. The study of merchandising procedures as they are applied to the marketing of apparel. Merchandising practice will be studied as a segment of the total apparel marketing system.

AHSC 4225. Merchandising Planning and Control (3 credits) — Prerequisite: AHSC 4220 and MATH 1530, 1829, 1840, or 1910. Merchandising Planning and Control is designed to help students become knowledgeable about the numerical terminology, concepts, and calculators that are the language of retail management. The concepts of sales, costs, expenses, profits, markdowns, stock turnover, open to buys, sales per square foot and returns on investments, help retailers plan activities that result in sales, monitor results against goals, and renew and assess performance for future decisions.

AHSC 4230. Merchandise Buying (3 credits) — Prerequisite: AHSC 4225. The study of the purchase of apparel merchandise for resale to the ultimate consumer. The role of the buyer, including planning, buying, pricing, stockkeeping, and selling will be explored.

AHSC 4240. Visual Merchandising (3 credits) — Prerequisite: ARTA 1110 and 1140, and AHSC 4220 or departmental approval. An overview of the visual design process as it is applied to the merchandising of apparel and home furnishing products. Emphasis centers on the development of skills needed to plan, implement, and evaluate effective merchandise presentations in varied retail settings.

AHSC 4250. Advertising and Promotion (3 credits) — Prerequisite: AHSC 4220. A study of the purposes and applications of advertising and promotion in the fashion industry, including procedures, methods, and techniques used in the organization, execution, and evaluation of various promotional activities.

AHSC 4257/5257. Merchandising Study Tour (1-3 credits) — Prerequisite: AHSC 3230 and 4220. The Apparel Merchandising Study Tour will acquaint students with major apparel market centers, providing exposure to design, manufacturing, and retail organizations of historic importance or current prominence. Interaction with professionals will be provided with a lecture series and a trip to selected United States or European market centers.
AHSC 4260. Merchandising Seminar (3 credits) — Prerequisite: AHSC 3230 and 4220 and departmental approval. A capstone course is designed to promote the application of concepts learned in merchandising courses by providing opportunities for analysis synthesis and evaluation. Success in the merchandising field is dependent upon the ability to analyze situations, make decisions, and communicate effectively with others in the retail organization. Management personnel must be able to promote customer service by demonstration as well as instructing other associates.

AHSC 4261. Merchandising Internship (3 credits) — Co-requisite: AHSC 4260 or departmental approval. Retail managers need to be problem-solvers, idea-generators, decision-makers, and action-takers. This course permits undergraduate students to complete a formal university internship which meets these criteria with local retailers while completing coursework. The internship course experience fosters transference of knowledge and skill into competencies required for successful performance in a retail management career.

AHSC 4330. Management of Family Material Resources (3 credits) — A study of consumer and financial management problems encountered by today’s families; emphasis placed on consumer rights and responsibilities, legislation, fundamentals of buymanship, factors influencing consumer behavior, budgeting, credit, insurance, savings, taxes, and estate planning.

AHSC 4417/5417. Food Systems Operations (3 credits) — Co-requisite: AHSC 4460. Operational, financial, and quality control of institutional food services with emphasis on computer-assisted food service management.

AHSC 4427/5427. Diet in Disease (I) (3 credits) — Prerequisites: AHSC 3465, HSCI 3020 or equivalent, and BIOL 3000/01 or equivalent. Principles of clinical dietetics management, medical terminology, medical documentation, design and implementation of nutrition care plans. Begin the application of principles of clinical nutrition to prevention and treatment of disease, drug-nutrient interaction, nutritional assessment, and nutritional support.

AHSC 4437/5437. Diet in Disease (II) (3 credits) — Prerequisite: AHSC 4427/5427 or departmental approval. A continuation of Diet in Disease (I) with emphasis on the principles of clinical nutrition and their application in prevention and treatment of disease, drug-nutrient interactions, nutritional assessment, and nutritional support.

AHSC 4447/5447. Advanced Nutrition (3 credits) — Prerequisite: AHSC 3465, BIOL 3000/01 or equivalent, HSCI 3020 or equivalent. A study of nutrition as the science that integrates life processes from the cellular level on through the multi-system operation of the total organism. The focus will be on current trends in normal biochemical and physiological human nutrition.

AHSC 4457/5457. Nutrition Education (3 credits) — Prerequisite: AHSC 3430, 3465 or departmental approval. Nutrition education designed for elementary, middle, and high school teachers, and others involved in nutrition. Nutrition concepts will be integrated with examples of instructional techniques to make nutrition challenging. Individual curriculum plans will be developed for integrating nutrition education with other subject areas, K-12.

AHSC 4467/5467. Quantity Food Procurement and Production (4 credits) — Co-requisite: AHSC 3460. Application of quantity food procurement, production planning, preparation and evaluation in institutional settings; use and care of large equipment; and use of standardized recipes. Structured laboratory experience included.

AHSC 4480. Food Systems Management Internship (3 credits) — Prerequisite: Must have completed a minimum of 12 semester credits at the upper-division level in the Food Systems Management emphasis. Senior standing and a GPA of 3.0 or above. Requires departmental approval. Students are selected through a competitive process for assignments in approved business of public-sector organizations as interns under the supervision of the field study coordinator. Students may not earn more than three semester credits for this course. This course will substitute for three semester credits of required field study (AHSC 4537). This course may be used as a free elective.

AHSC 4487/5487. Nutrition and Disease Prevention (3 credits) — Prerequisite: AHSC 4427 and 4447. A study of nutrition and its relation to prevention of chronic diseases. A review of the current scientific literature and research related to the etiological factors in the development of degenerative diseases such as cardiovascular disease, cancer, and osteoporosis.

AHSC 4497/5497. Administration of Food Service Organizations (4 credits) — Prerequisites: AHSC 1410, 2420 or departmental approval, and junior standing. Decision making, management, organization, staffing, and administration of institutional food service operations with an emphasis on computer-assisted food service management and food service layout and design.

AHSC 4517/5517. Demonstration Techniques (3 credits) — Prerequisite: Senior standing. Application of the principles and techniques involved in demonstrations and presentations.

AHSC 4520. Senior Seminar (3 credits) — Prerequisite: Senior standing. Examine the scope of family and consumer science as dynamic professions, which integrate diverse occupational specializations to meet the changing needs of individuals and families. Development of job search skills. Study public policy affecting families and ways to affect change. Required of all majors.

AHSC 4537/5537. Field Studies (3-9 credits) — Prerequisite: Senior standing and departmental approval. Supervised field studies in student’s major area of interest.

AHSC 4547/5547. Corporate Etiquette (3 credits) — Designed to help students present themselves with confidence to outlast the competition. Topics covered include introductions, conversation skills, working a room, business attire, dining in corporate America, wine selection, resume writing, interviewing, international business and more. Skills should help you obtain a job, advance to a higher position, and make career changes.

AHSC 4610. Health Care Studio IV (3 credits) — Concurrent registration with AHSC 3650, 4615 and departmental approval. Application of the design process in planning interior health care environments for the children, the elderly, physically challenged, and other special populations.

AHSC 4611. Hospitality: Studio V (3 credits) — Prerequisites: AHSC 4610, concurrent registration with AHSC 3650, and departmental approval. Complex problem-solving in hospitality design. Involvement with historic rehabilitation or preservation, government policies and/or community issues.

AHSC 4615. Professional Practices in Interior Design (3 credits) — Concurrent registration with AHSC 3650, 4610, or departmental approval. Professional business practices, contracts, ethics, responsibilities, liabilities, etc. Introduction to professional organizations, markets, and financial services. Employment practices.

AHSC 4657/5657. Architectural Study Tour (1 - 3 credits) — Prerequisite: Six hours earned in AHSC and consent of the instructor. Classroom and on-site study of interior and exterior architecture in various parts of the United States. Structured semi-independent study and travel.

AHSC 4717/5717. Vocational Family and Consumer Sciences Curriculum (3 credits) — Prerequisite: Admission to teacher education or permission of department. A comprehensive overview of family and consumer sciences education programs and their place within the total school curriculum. Emphasis will be placed on the organization and administration of family and consumer sciences education programs. Students will be provided experiences in curriculum development, as well as program planning.

AHSC 4727/5727. Methods for Vocational Family and Consumer Sciences Education (3 credits) — Prerequisite: AHSC 4717. Emphasis given to program planning, methodology, teaching strategies, and techniques for family and consumer sciences education. Evaluation of teaching-learning process, as well as total program evaluation.

AHSC 4737/5737. Occupational Family and Consumer Sciences Programs (3 credits) — Prerequisites: AHSC 4727, and departmental approval. A comprehensive overview of occupational family and consumer sciences programs including legislation and funding, labor laws, curriculum development, components of programs, HERO, advisory committees, placement and follow-up, program evaluation, and resource materials. This course is required for Occupational Home Economics Endorsements # 453, 451, 452, and 453.

AHSC 4900. Independent Studies (1-9 credits) — Prerequisite: Permission of department chair and instructor.

AHSC 4957/5957. Special Topics in Applied Human Sciences (3 credits) — Selected subjects in student’s area of interest in areas not included elsewhere in course offerings; may be repeated for credit when content varies.

AHSC 4989-99. Cooperative Education (1-3, 1-3 credits) —

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

AHSC 5410. Seminar in Nutrition (1 credit)

AHSC 5420. Maternal-Child Nutrition (3 credits)

AHSC 5421. Lifespan Nutrition Practicum (I) (2 credits)

AHSC 5422. Lifespan Nutrition Practicum (II) (2 credits)

AHSC 5423. Lifespan Nutrition Practicum (III) (2 credits)

AHSC 5430. Complex Adult Nutritional Care (3 credits)

AHSC 5431. Medical Nutrition Therapy Practicum (I) (2 credits)

AHSC 5432. Medical Nutrition Therapy Practicum (II) (2 credits)
AHSC 5433. Medical Nutrition Therapy Practicum (III) (2 credits)
AHSC 5450. Advanced Nutrition Therapy (3 credits)
AHSC 5451. Nutrition & Food Systems Management Practicum (I) (2 credits)
AHSC 5452. Nutrition & Food Systems Management Practicum (II) (2 credits)
AHSC 5453. Nutrition & Food Systems Management Practicum (III) (2 credits)
AHSC 5460. Capstone Research Project (3 credits)
AHSC 5900. Independent Study (1-9 credits)
AHSC 5960. Thesis (1-3 credits)
AHSC 5990. Readings & Research (3 credits)

Allied Health
ALHE 2000. Seminar (3 credits) — An integration of allied health theories, principles, procedures, and equipment presented throughout the declared area of concentration. Reinforcement of basics will be stressed. Current developments and innovations will be included.

ALHE 2010. Introduction to Allied Health (2 credits) — A course familiarizing the student with the many facets of allied health professions including types of health care professionals, medical ethics, terminology, safety, infection control, and microbiology.

ALHE 2020. Patient Care and Assessment (3 credits) — Prerequisite: Current CPR certification. This course emphasizes medical techniques and nursing procedures required during medical procedures for allied health majors. Assessment of vital signs, pharmacology, venipuncture, legal implications, and patient and physician rights will be introduced. Agency protocol for the various disciplines will be presented.

ALHE 3010. Allied Health Professionals (3 credits) — The purpose of this course is to serve as a transition course for the student in pursuit of a baccalaureate degree in Allied Health. Theories and concepts of professional allied health practitioners are explored in relationship to their roles in the health care system. The course includes content about practice and expectations of a baccalaureate degree allied health practitioner in a multi-cultural society.

ALHE 4060. Research in Allied Health (3 credits) — Prerequisite: Permission of instructor. This course is designed to enhance the allied health practitioner’s skills in the development and interpretation of research. Discussions will be conducted on various research designs, statistical procedures, sampling techniques, and literature reviews. Assignments include use of advanced writing applications and technology utilization will be required.

ALHE 4070. Leadership in Allied Health (3 credits) — Prerequisite: ALHE 4060 or permission of instructor. This course provides a historical prospective of leadership theory. Various models will be discussed as a means to help students develop their personal leadership style. An analysis of trends in motivational, leadership theory, conflict resolution, and organizational change will be conducted. Professional specific knowledge will be reviewed to assure students transition into the health care system. Basic issues concerning human resource management will be included.

Adult Nursing
ALNU 1100. Basics of Patient Care (4 credits) — Prerequisite: Permission of instructor. This course is designed to expand the knowledge and skills of Certified Nursing Assistants and introduce them to a professional nursing program.

ALNU 3016. Pathophysiology: Concepts of Disease Process (3 credits) — Prerequisite: HSCI 3000 or HSCI 2010/11 & HSCI 2020/21, HSCI 3020. This course examines the pathophysiology of disease processes throughout the life span. Alterations in the mechanisms of inflammation, immunity, patency, sensory-motor, regulatory, and cellular development that result in disease are presented.

ALNU 3005. Dosage Calculations (1 credit) — This course focuses on the necessary steps involved in solving clinically oriented problems. A basic math review includes number systems, conversion of systems, fractions, decimals, ratio and proportion, and percentage. Methods of dosage calculation are included as a prerequisite to solving practical calculation problems for oral, injectable, and intravenous medications.

ALNU 3010. Pharmacology for Nursing (3 credits) — Prerequisite: HSCI 3008 or HSCI 2010/11 & HSCI 2020/21, HSCI 3020. This course focuses on concepts required by nurses to make sound decisions about the administration of pharmacotherapeutic agents. The nursing process is used to discuss pharmacotherapeutic agents in relation to disease prevention and healthy promotion, health protection, and maintenance.

ALNU 3020. Foundation of Nursing Skills (3 credits) — Prerequisite: PMNU 2020, 2310, FCNU 2010, 2030. This course introduces the foundations for nursing care of clients’ human needs. Emphasis is placed on independent and interdependent nursing interventions that aid adult clients and families in meeting their needs related to hygiene, mobility, safety, oxygenation, comfort, rest, sleep, and elimination.

ALNU 3021. Adult and Family Care I (4 credits) — Prerequisite: Completion of sophomore-level nursing courses. Pre-or co-requisite: ALNU 3010, 3016, 3020. This course focuses on the development of nursing skills. Students will use the concepts of caring, nursing process, critical thinking, and communication to provide nursing care for adults who have diverse health needs.

ALNU 3170. Transition to Professional Practice for Licensed Practical Nurses (3 credits) — Prerequisite: FCNU 2010, 2030, PMNU 2020. Pre-or co-requisite: ALNU 3016 & 3010. This course is designed as a transition course for the Licensed Practical Nurse pursuing a baccalaureate degree in nursing. The course focuses on validation and enhancement of previously learned skills as well as the development of new knowledge and skills for the practice of professional nursing in the 21st Century.

ALNU 4000. Care of Middle-Aged Adults (3 credits) — Prerequisite: Completion of junior-level nursing courses or permission of the department. Content of this course covers the care of the adult between the ages of 30 and 65 with emphasis on commonly occurring acute and chronic health problems. Nursing interventions to reduce risk, promote and restore health, and to assist clients in adapting to chronic conditions are explored in varied environments.

ALNU/FCNU/PMNU 4088. Honors Mentorship in Nursing (1 credit) — may be taken twice for credit. Prerequisite: Acceptance into the College of Nursing Honors Program. An individualized course in which the student collaborates with a mentor to create a program of learning that supports academic and professional goals.

ALNU 4010. Gerontological Nursing (3 credits) — Prerequisite: Completion of FCNU 3051. Provides additional study of delivery of nursing care to both the healthy and ill older client. Includes discussion of nursing implications of theories of aging, psychosocial and physiological changes in aging, and health issues relevant to older care. Emphasis on increasing repertoire of critical thinking and nursing interventions to maximize functional health status of the aging client. (Elective)

ALNU/FCNU/PMNU 4018. Nursing Honors Thesis (3 or 6 credits) — Prerequisite: Admission to the College of Nursing Honors Program; Honors Mentorship in Nursing or permission of instructor. An independent course for the senior-level honors student to complete a thesis suitable for presentation. The written paper will demonstrate scholarship, basic understanding of the research process, and relevance to professional trends and issues.

ALNU 4020. Care of Older Adults (3 credits) — Prerequisite: Completion of junior-level nursing courses or permission of department chair. Content of this course focuses on the care of the older adult as an individual, a family member, and a member of the community. The course emphasizes promotion of health in the elder, restoration and rehabilitation for the ill elder, and palliative measures for the dying client.

ALNU 4021. Adult and Family Care III (6 credits) — Prerequisite: Completion of junior-level nursing courses. Pre-or co-requisites: ALNU 4000, 4020. This course focuses on the physical and behavioral health care of middle-aged and older adults with complex health problems. Diverse settings are used to plan, evaluate, and manage complex nursing care.

ALNU 4260. Introduction to Critical Care Nursing (2 credits) — Prerequisite: ALNU 4000, 4020, 4021, PMNU 4030, or permission of instructor. This course presents specific content for care of the critically ill adult, including advanced technology, nursing skills, nursing assessments, and nursing interventions.

ALNU 4300. Skills Validation (1 credit) — Prerequisite: Admission to the nursing major. Selected clinical skills will be reviewed and validated specific to the students’ particular level in the nursing program. May be repeated. (Elective)

ALNU 4900. Nursing Independent Study. (1-3 credits)
### Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

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<td>Special Topics in Nursing (1-6 credits)</td>
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<td>ALNU 4958</td>
<td>Cooperative Education in Nursing (3 credits)</td>
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<td>ALNU 5009</td>
<td>Health Assessment Throughout the Life Span</td>
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<td>ALNU 5010</td>
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<td>ALNU 5011</td>
<td>Life Span Assessment and Clinical Management: Young &amp; Middle Adults</td>
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<td>ALNU 5014</td>
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<td>ALNU 5031</td>
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<tr>
<td>ALNU 6010</td>
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<td>(3 credits)</td>
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<tr>
<td>ALNU 6012</td>
<td>Concept Development in Nursing Practice II</td>
<td>(3 credits)</td>
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<tr>
<td>ALNU 6900</td>
<td>Dissertation Seminar</td>
<td>(1 credit)</td>
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<tr>
<td>ALNU 6960</td>
<td>Doctoral Dissertation</td>
<td>(1-12 credits)</td>
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<tr>
<td>ALNU 6990</td>
<td>Readings and Research</td>
<td>(1-3 credits)</td>
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### Appalachian Studies

#### APST

**APST 2060. Introduction to Appalachian Studies (3 credits)** — An introduction to the study of the Appalachian region, focusing on the idea of Appalachia in American and world consciousness and its treatment in the social sciences, media, literature, and the arts. Required for Appalachian Studies minor.

**APST 4957/5957. Appalachian, Scottish, & Irish Studies (3-6 credits)** — This course explores the relationship between Appalachia and its Scottish and Irish heritage. The course includes lectures by scholars from Edinburgh University and covers a wide range of topics including oral and written literature, language, history, music, folklore, and others concerned with traditional Scottish and Irish cultural influences upon Appalachia. Also included are several field trips to various cultural locations around Appalachia or Scotland and Ireland.

**APST 4997/5997. Current Issues in Appalachian Studies (3 credits)** — Seminar surveying major issues and concerns in Appalachian Studies since the 1970s. Required for Appalachian Studies minor.

### Art and Design

#### ARTA

**ARTA 1110. 2-D Design (3 credits)** — A fundamental exploration of the elements of two-dimensional art (line, shape, texture, value, and color) and their relationship to the principles of design (balance, rhythm, variety, and unity). Stress is placed on visual thinking through the use of problem-solving structures.

**ARTA 1140. 3-D Design (3 credits)** — An examination of three-dimensional design forms in order to gain a deeper understanding of the elements and principles of design. An exploration of a variety of media, processes, and applications of three-dimensional work.
ARTA 3072. Intermediate Weaving III (3 credits) — Prerequisite: ARTA 2071 and 3071 or by permission of the instructor. This course explores the imaging potential of the woven textile; including inlay, tapestry, brocade, painted and ikat-dyed advanced considerations of color, design, construction and finishing techniques.

ARTA 3073. Fiber Construction (3 credits) — Off-loom textile processes explore three-dimensional form in fiber; using traditional and non-conventional materials. Emphasis is placed on the development of technical skills, form and concept.

ARTA 3081, 3082. Jewelry and Metalsmithing (3.3 credits) — Prerequisite: ARTA 2081 or permission of instructor. Intermediate techniques including: fabrication, stone setting, casting, forging, raising, and jewelry design.

ARTA 3091. Beginning Throwing (3 credits) — This is a beginning course in ceramics. It concentrates on the potter’s wheel as a major tool. It deals with the vessel in traditional and nontraditional format.

ARTA 3092. Intermediate Ceramics (3 credits) — Prerequisite: ARTA 3091. An intermediate course in ceramics. Forming techniques will be used in combination. There will be lectures on clays, glazes, and firing techniques.

ARTA 3110. Intermediate Painting (3 credits) — Prerequisite: ARTA 2051 or permission of the instructor. A course that concentrates on building color relationships and visual clarity.

ARTA 3120. Life Painting (3 credits) — Prerequisite: ARTA 2051, 3110, or permission of instructor. An oil painting course with an emphasis on selecting subject matter, painting from nature, still life, and the figure.

ARTA 3130. Watercolor Painting (3 credits) — Broad range of problems and techniques.

ARTA 3147. Advanced Watercolor Painting (3 credits) — Advanced projects in watercolor.

ARTA 3201. Intermediate Figure Drawing (3 credits) — Prerequisite: ARTA 2120 or permission of the instructor. An additional exploration of the figure and its expressive potential with advanced analysis of human anatomy including musculature and surface features. Ink and color drawing will be emphasized along with expanded problem solving.

ARTA 3211. Lithography (3 credits repeatable) — An exploration of direct lithographic printing as an artist’s medium.

ARTA 3221. Screen Process (3 credits repeatable) — An exploration of screen-process printing as an artist’s medium.

ARTA 3301. Intaglio (3 credits repeatable) — An exploration of the intaglio process as an artist’s medium.

ARTA 3321. Art Experiences with Children (3 credits) — Prerequisite: All freshmen and sophomore required art courses. A course for curriculum S art majors and minors and/or qualified elementary education majors. Two credits per week will be spent guiding children in art experience. Weekly seminars and studio sessions will be required for those enrolled.

ARTA 3341. Relief (3 credits repeatable) — An exploration of the relief printing process as an artist’s medium.


ARTA 3401. Typography (3 credits) — The design and use of typographic material.

ARTA 3402. Commercial Art (3 credits) — Prerequisite: ARTA 2401 and 3401. A studio course devoted to the design and preparation of two-dimensional materials for commercial reproduction.

ARTA 3501. Intermediate Sculpture (3 credits) — Prerequisite: ARTA 2501. Continued development of sculptural techniques and concepts, including metal fabrication and casting, stone carving, and work of the student’s choice. Students will complete several projects.

ARTA 3502. Intermediate Sculpture (3 credits) — Prerequisite: ARTA 2501. Continued development of sculptural techniques and concepts; students will complete several projects.

ARTA 3601. Intermediate Photography (3 credits) — Prerequisite: ARTA 2200 or permission of the instructor. Projects in black and white photography above the basic level, concerning natural lighting, darkroom, composition, camera and lens, processing, and special effects. The emphasis is on visual communication.

ARTA 3602. Color Photography (3 credits) — Prerequisite: ARTA 2200 or permission of the instructor. Projects in color transparency and color print materials, concerning learning the technical and aesthetic aspects of the photographic color medium. Students will do all their own processing with total control as the goal.

ARTA 3603. Alternate Photographic Processes (3 credits) — Prerequisite: ARTA 2200 or permission of the instructor. Emphasis on the design elements in photography. Experience in high contrast materials, solarization and print manipulation, as well as non-silver materials. Emphasis on exploration of the creative possibilities of the image, and its expressive potential with advanced analysis of human anatomy including: fabrication, stone setting, casting, forging, raising, and jewelry design.

ARTA 3899. Cooperative Education (1-3 credits)

ARTA 4002. Graphic Design (3 credits) — Prerequisite: ARTA 2401. A studio course devoted to the design and preparation of two-dimensional material for reproduction.

ARTA 4017/5017. Classical Art (3 credits) — A survey of the arts of Greece and Rome. (Offered in alternate years.)

ARTA 4027/5027. Art History of the Middle Ages (3 credits) — A survey of European architecture, sculpture, and painting from Late Antiquity to the end of the Gothic period. (Offered in alternate years.)

ARTA 4037/5037. Art History of the Renaissance Period (3 credits) — A survey of European art from 1300 to 1600 with emphasis on Italian and Flemish art. (Offered in alternate years.)

ARTA 4047/5047. Art History of the Baroque Period (3 credits) — A survey of the major styles of European art from 1600 to 1750: Baroque, Classicism, Realism, and Rococo. (Offered in alternate years.)

ARTA 4057/5057. Art History of the 19th Century (3 credits) — A survey of the major styles and trends in art from Neoclassicism to Postimpressionism. (Offered in alternate years.)

ARTA 4067/5067. Twentieth Century Art (3 credits) — Major developments in painting and sculpture from Postimpressionism through Surrealism. (Offered in alternate years.)

ARTA 4071. Advanced Weaving II (3 credits) — Prerequisite: ARTA 2071, 3071 and 3072 or by permission of the instructor. Students work independently while developing an individual direction. Technical, aesthetic and conceptual input will be structured toward individual needs; and professional practices within the independent studio, or for industry, will be addressed.

ARTA 4072. Advanced Weaving III (3 credits) — Prerequisites: ARTS 2071, 3071, 3072 and 4071 or by permission of instructor. Students work independently while developing an individual direction. Technical, aesthetic and conceptual input will be structured toward individual needs; and professional practices within the independent studio, or for industry, will be addressed.

ARTA 4073. Fabric Design (3 credits) — Prerequisite: ARTA 1204. An introduction to applied textile design. Hand-printed and dyeing techniques include stamping, block-printing, tie-dye/shibori, discharge and other techniques to develop imagery and color/pattern relationships on fabric.

ARTA 4077/5077. Contemporary Art (3 credits) — A survey of art since 1945.

ARTA 4081, 4082. Jewelry and Metalsmithing (3.3 credits) — Advanced courses in metal techniques and jewelry design.

ARTA 4087/5087. Oriental Art (3 credits) — A study of the arts of India, China, and Japan. Topics vary each semester.

ARTA 4097/5097. Art History, Theory, and Criticism (3 credits repeatable) — An investigation of art theory and criticism in relation to the art of a particular time and place. Times and places chosen will vary, e.g., 19th century European romantic art, classic Brahmanical Hindu art, medieval sacred art, or modern symbolism.

ARTA 4107/5107. Art Study Tour (1-3 credits, variable) — This course is designed to acquaint the student with original works of art. The lecture series is followed by a trip to selected museums in the U.S. and/or in Europe.

ARTA 4110. Combined Media Painting (3 credits) — Prerequisite: ARTA 2051, 3110 3120, or permission of the instructor. Painterly approaches to alternative methods and techniques in image-making. A focus on concept, visual communication, and craftsmanship.

ARTA 4120. Figure Painting (3 credits) — Prerequisite: ARTA 2051, 3110, 3120, 2120 or permission of the instructor. A studio course in oil painting, utilizing traditional, as well as contemporary, approaches to the human figure.

ARTA 4201. Advanced Figure Drawing (3 credits) — Prerequisite: ARTA 2120 and 3201 or permission of the instructor. An advanced course in the study of the human form. Emphasis is placed on individual expressive content using the figure as a point of departure.

ARTA 4202. Mixed Media Drawing (3 credits) — Prerequisite: ARTA 2120 or 2120 and 3010 or permission of the instructor. A focus on alternative drawing methods and formats emphasizing combined media. Advanced studies in content and visual communication with special emphasis on contemporary drawing directions.
AR TA 4211. Advanced Lithography (3 credits repeatable) — Advanced studio work in direct lithographic printing.

AR TA 4217/5217. Book Arts (3 credits) — A course exploring adhesive and non-adhesive book formats. Emphasis is placed on a book as a complete format of cover, text, and image. Paper decoration, books as sculptural objects, and time-based directions will be addressed.

AR TA 4221. Advanced Screen Process (3 credits repeatable) — Advanced studio work in screen-printing process.

AR TA 4221. Advanced Ceramics I (3 credits) — Prerequisite: AR TA 2091, 3091, 3092. Advanced class which will allow students to work on special problems and techniques on an individual basis. It will also include lectures on clay, glazes, and firing techniques.

AR TA 4272. Advanced Ceramics II (3 credits) — Prerequisite: AR TA 2091, 3091, 3092, 4271. A continuation of 4271, emphasizing individual direction, expression, and work at an advanced level.

AR TA 4273. Technical Ceramics (3 credits) — Prerequisite: AR TA 2091, 3091. This course deals with the technical considerations of ceramics: clay, glazes, firing techniques, kilns, raw materials, testing, and special firings. It will be a lecture format course with lab work.

AR TA 4301. Displays and Package Design (3 credits) — Prerequisite: AR TA 3401, 3402, or permission of instructor. An advanced studio course in the design and preparation of three-dimensional material for commercial reproduction.

AR TA 4302. Illustration (3 credits) — An advanced studio course in the design and preparation of two-dimensional material for commercial reproduction.

AR TA 4303. Computer Art and Design (3 credits) — Prerequisite: 2401, 3401, 3402, or permission of the instructor. An advanced studio course which focuses on the computer as a creative tool for visual communication problem-solving. Course emphasizes computer methods for solving graphic design problems and the development of computer skills in creating art, design, and illustration.

AR TA 4320, 4330. Elementary School Art (3, 2-3 credits) — Required course for all elementary education majors. Should be taken in the junior year. AR TA 4330 is required of all students desiring certification in art. The courses include art media experiences and art appreciation.

AR TA 4401. Advanced Intaglio (3 credits) — Advanced studio work in intaglio printing.

AR TA 4419. Teaching Art in Secondary Schools (3 credits) — A study of the aims, philosophy, and curricula of the secondary school art program based on an examination of available literature. Required for certification in art. There can be no substitute. This course counts as education credit and cannot be used to meet the art course requirement for a minor or major in art. (At the beginning of the course the student will submit a portfolio of his/her art works to the art education faculty for review.)

AR TA 4501. Advanced Sculpture (3 credits) — Prerequisite: AR TA 3501 or 3502. Students develop work on an individual basis, working on specific problems and processes developed in consultation with the instructor. Both creative thinking and technical skills will be emphasized.

AR TA 4502. Advanced Sculpture (3 credits) — Prerequisite: AR TA 3501 or 3502. Continued advanced work in sculpture, emphasizing personal direction and self-motivation in sculpture, both technically and conceptually.

AR TA 4601. History of Photography (3 credits) — Exploring the history of photography from its beginning to the present day.

AR TA 4602. View Camera Photography (3 credits) — Prerequisite: AR TA 3601 or permission of instructor. An advanced course using 4 x 5 or 8 x 10 view cameras furnished to students enrolling in this course for its duration, concerning view camera techniques, the zone system, and development of professional quality.

AR TA 4603. Intro to Studio Photography (3 credits) — Prerequisite: AR TA 2200, 3601, or permission of instructor. Basic studio lighting techniques. Projects concerning portrait, fashion, and product lighting. Work toward professional quality.

AR TA 4901-4902. Independent Study in Sculpture (1-6 repeatable) — Prerequisite: AR TA 3502 or 3502. Independent Studies in studio printmaking, photography, metalsmithing and jewelry design, ceramics, sculpture, weaving, drawing, painting, graphic design, art history, art education, and internship in parent. Illustration.

AR TA 4912. Independent Studies in Photography (1-6 credits repeatable)
AR TA 4915. Independent Studies in Weaving (1-6 credits repeatable)

AR TA 4916. Portfolio and Exhibit (1-3 credits variable) — The B.F.A. student takes this course in the last semester before graduation. The course is designed to allow the student to prepare a portfolio for the job market and to prepare work for the final required undergraduate B.F.A. exhibition in the department gallery. Students will take this course with a professor in the area of concentration, and provide the Art Department with slides of their exhibition materials.

AR TA 4957/5957. Special Topics in Art (1-6 credits)

AR TA 4989. Cooperative Education (1-3 credits)

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

AR TA 5061. Metalsmithing and Jewelry Design (1-6 credits repeatable)
AR TA 5110. Ceramics (1-6 credits repeatable)
AR TA 5130. Painting (1-6 credits repeatable)
AR TA 5140. Photography (1-6 credits repeatable)
AR TA 5160. Sculpture (1-6 credits repeatable)
AR TA 5170. Fibers (1-6 credits repeatable)
AR TA 5200. Drawing (1-6 credits repeatable)
AR TA 5220. Field Experience in Art Education (3 credits)
AR TA 5330. Elementary School (3 credits)
AR TA 5340. Teaching Art in the Secondary School (3 credits)
AR TA 5350. Graphic Design (1-6 credits repeatable)
AR TA 5430. The Supervision of Art (3 credits)
AR TA 5440. History and Philosophy of Art Education (3 credits)
AR TA 5901.

AR TA 5902. Independent Studies in Graduate Art (1-6, 1-6 credits repeatable)
AR TA 5910. Independent Studies in Art History (1-6 credits repeatable)
AR TA 5911. Printmaking (1-6 credits repeatable)
AR TA 5950. Methods of Research (3 credits)
AR TA 5960. Thesis (3 credits)
AR TA 5990. Readings and Research (1-3 credits)

Astronomy

— ASTR 1010. Astronomy I (4 credits) — An introductory course which includes historical astronomy, celestial motions, properties and observation of light, and physical characteristics of the solar system and the sun. Includes laboratory activities involving telescope observations of solar system and stellar objects. Designed for students desiring a laboratory science for its general education value. Three credits lecture, two credits laboratory each week.

— ASTR 1020. Astronomy II (4 credits) — Introduces students to the study of stars, galaxies, and the universe as a whole. Includes laboratory activities involving telescope observations of star systems, nebulae, and galaxies. Three credits lecture, two credits laboratory each week.

— ASTR 1035. Extraterrestrial Life (4 credits) — Explores the possibility of life elsewhere in the Universe, including the origin and evolution of life on earth, life elsewhere in our solar system, recent discoveries of extrasolar planets, and advanced civilizations elsewhere in the galaxy. Also includes topics in interstellar communication, space travel, and UFOs.

— ASTR 3415. Astrophysics (3 credits) — Prerequisite: PHYS 2110-2120 or permission of instructor. Astrophysics covers the theoretical basis of what we know about the Universe around us. Topics include stellar atmospheres and spectra; stellar interiors and nuclear physics; stellar evolution and the HR diagram; galactic structure; galaxies: their morphology and evolution; and cosmology: Hubble’s law, the Big Bang theory, general relativity, and the history of the Universe.

Business Administration

BADM

— BADM 1130. Introduction to Business (3 credits) — Open only to Lower Division students. This course is designed to provide an overview of business operations, the role of business in society, the ethical issues in business, and the various disciplines within a business organization. Guidance to first-year university students as they begin their academic work through coverage of lifestyle issues, career planning, and other relevant topics is provided.
General Studies

BASD

BASD 3210. Professional Field Experience (3 credits) — Required of all B.G.S. and B.S.P.S. students. Dean’s approval required. Junior standing. The purpose is to increase the student’s knowledge in a particular personal or career-related area through a practical learning experience or internship. This must be new learning by the student and submitted in the form of a culminating project.

BGSD

BGSD 2100. Successful Online Learning (1 credit) — Introduction to philosophy of learning online and development of skills and mastery of tools essential to success in an asynchronous learning environment. This purpose of this course is to prepare students for learning via an electronic medium, which is rapidly becoming not only an academic requirement, but is also a requisite in the work force. The course has two major components - tips for succeeding in an online course and technical skills that you will master in order to learn asynchronously.

BGSD 2200. Multimedia Presentations Studies for General Studies (1 credit) — Prerequisite: CSCI 1100. Instruction and exercises in building presentations with MS Power Point 2000. Students will learn how to construct elements of presentations, including outlines, speaker notes, graphics, etc.

BGSD 2300. Building e-Portfolios (1 credit) — This course teaches fundamentals of professional portfolio content and promotes familiarity with the process of building a professional portfolio on a web site. Students will learn the basics of professional portfolio development (including cover letters, resumes, and other elements) as supported by the ETSU Office of Career Placement and Internship Services, develop skills in the use of basic tools for assembling Web content (including web pages with hyperlinks), and build confidence in attempting more advanced courses in web design.

BGSD 4210. Professional Field Experience (3 credits) — Required of all B.G.S. and B.S.P.S. students. Dean’s approval required. Senior standing. The purpose is to increase the student’s knowledge in a particular personal or career-related area through a practical learning experience or internship. This must be new learning by the student and submitted in the form of a culminating project.

BGSD 4950. Special Topics in Adult Continuing Education (1-6 credits) — Prerequisite: Junior or senior status and permission of the instructor. Open to bachelor of general studies students only. This course gives students the opportunity to study special topics and new developments in the field of adult continuing education.

BSIS

BSIS 4210. Professional Field Experience (3 credits) — Required of all B.G.S. and B.S.P.S. students. Dean’s approval required. Senior standing. The purpose is to increase the student’s knowledge in a particular personal or career-related area through a practical personal or career-related area through a practical learning experience or internship. This must be new learning by the student and submitted in the form of a culminating project.

BSPS

BSPS 4210. Professional Field Experience (3 credits) — Required of all B.G.S. and B.S.P.S. students. Dean’s approval required. Senior standing. The purpose is to increase the student’s knowledge in a particular personal or career-related area through a practical learning experience or internship. This must be new learning by the student and submitted in the form of a culminating project.

Biological Sciences

BIOL

BIOL 1000. Academic Advantage (2 credits) — This course helps the first-year student make the transition to the university, develop a better understanding of the learning process, and enhance essential academic skills. The course provides a support group for students in a critical transitional year by examining problems and issues common to the first year of college. Elective credit only; does not apply toward the major or minor requirements.

♦ BIOL 1010. Biology for Non-majors I (4 credits) — Co-requisite: BIOL 1011. A biology course with laboratory experience in general education. The role of biology in today’s society, with an emphasis on current issues in ecology, evolution, and behavior, will be discussed. Three hours of lecture and two hours of lab (BIOL 1011) per week. Students must register for 1011; a common grade will be given in 1010 and 1011. Fall, Spring.

♦ BIOL 1011. Biology for Non-majors Laboratory (0 credits) — Co-requisite: BIOL 1010. Laboratory exercises corresponding to Biology for Non-majors I. One two-hour laboratory per week. Students must register for 1010; a common grade will be given in 1010 and 1011. Fall, Spring.

♦ BIOL 1020. Biology for Non-majors II (4 credits) — Co-requisite: BIOL 1021. A biology course with laboratory experience in general education. The role of biology in today’s society, with an emphasis on current issues in reproduction, growth, genetics, and biotechnology, will be discussed. Three hours of lecture and two hours of lab (BIOL 1021) per week. Students must register for 1021; a common grade will be given in 1020 and 1021. Fall, Spring.

♦ BIOL 1021. Biology for Non-majors Laboratory II (0 credits) — Co-requisite: BIOL 1020. Laboratory exercises corresponding to Biology for Non-majors II. One two-hour laboratory per week. Students must register for 1020; a common grade will be given in 1020 and 1021. Fall, Spring.

♦ BIOL 1110. Biology for Science Majors Lec. I (4 credits) — Principles of molecular and cellular biology, including metabolism and genetic inheritance. Designed for biology majors, minors, and others who plan to take upper-level courses for which this is a prerequisite. Three hours of lecture and two hours of lab (BIOL 1111) per week. Students must register for 1111; a common grade will be given in 1110 and 1111. Fall, Spring.

♦ BIOL 1111. Biology for Science Majors Lab. I (0 credits) — Co-requisite: BIOL 1110. Laboratory exercises to gain the ability to identify and use the processes of biological science with materials corresponding to Biology for Science Majors Lec. I. One two-hour laboratory per week. Students must register for 1111; a common grade will be given in 1110 and 1111. Fall, Spring.

♦ BIOL 1120. Biology for Science Majors Lec. II (4 credits) — Prerequisites: BIOL 1110; Co-requisite: BIOL 1121. Principles of organismal biology, including structure and function of multicellular organisms, especially chordate animals and flowering plants. Designed for biology majors, minors, and others who plan to take upper-level courses for which this is a prerequisite. Three hours lecture and two hours of lab (BIOL 1121) per week. Students must register for 1121; a common grade will be given in 1120 and 1121. Fall, Spring.

♦ BIOL 1121. Biology for Science Majors Lab. II (0 credits) — Co-requisite: BIOL 1120. Laboratory exercises to gain the ability to identify and use the processes of biological science with materials corresponding to Biology for Science Majors Lec. II. One two-hour laboratory per week. Students must register for 1121; a common grade will be given in 1120 and 1121. Fall, Spring.

♦ BIOL 1130. Biology for Science Majors Lec. III (4 credits) — Prerequisites: BIOL 1110; Co-requisite: BIOL 1131. Principles of population biology including taxonomy and systematics, evolutionary processes, the phylogenetic history of life on earth, and ecological relationships. Designed for biology majors, minors, and others who plan to take upper-level courses for which this is a prerequisite. Three hours lecture and two hours of lab (BIOL 1131) per week. Students must register for 1131; a common grade will be given in 1130 and 1131. Fall, Spring.

♦ BIOL 1131. Biology for Science Majors Lab. III (0 credits) — Co-requisite: BIOL 1130. Laboratory exercises to gain the ability to identify and use the processes of biological science with materials corresponding to Biology for Science Majors Lec. III. One two-hour laboratory per week. Students must register for 1131; a common grade will be given in 1130 and 1131. Fall, Spring.

♦ BIOL 2999. Cooperative Education (1-3 credits) — Fall, Spring.

♦ BIOL 3100. General Genetics (3 credits) — Prerequisites: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent plus MATH 1530 or MATH 1910. The mechanisms of genetic transmission involving the chromosome theory of inheritance, linkage, recombination and mapping, chromosomal modifications and evolution, the organization of the hereditary material and the nature of gene action, mutation, population genetics and statistical analysis. Three hours lecture. (Also see optional 3141-Genetics Laboratory-2 credits.) Spring.

♦ BIOL 3141. Genetics Laboratory (2 credits) — Prerequisite or corequisite: A course in genetics. Laboratory experiences designed to demonstrate basic genetic mechanisms including patterns of transmission, recombination, regulation, and the nature of the nucleic acids. Two two-hour laboratories per week. Spring.
**BIOL 3150. Cell Biology (3 credits)** — Prerequisite: BIOL 3100 plus one year general chemistry; organic chemistry recommended. A study of structural and functional relationships in the eukaryotic cell. Two hours lecture, one hour oral components. Fall.

**BIOL 3151. Cell Biology Laboratory (2 credits)** — Prerequisite or co-requisite: BIOL 3150 or equivalent. Laboratory exercises demonstrating cell structure and function. Two two-hour laboratories per week. Fall.

**BIOL 3220. Comparative Anatomy (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. Comparisons of structure and development of representative vertebrate systems. Three hours lecture and two three-hour laboratories per week. Fall.

**BIOL 3230. Vertebrate Embryology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. Development of vertebrate embryos. Laboratory work based on representative organisms. Two hours lecture and two two-hour laboratories per week. Spring.

**BIOL 3260. Animal Physiology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent; plus one year general chemistry. An introductory course in general and comparative physiology dealing with physical and chemical processes in animals. Two hours lecture and two two-hour laboratories per week. Spring.

**BIOL 3350. Ecology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. An introduction to the principles of ecology with emphasis on interspecific and organismal-environmental relationships as they affect the size, development, distribution, and structure of populations, communities, and ecosystems. Three hours lecture and one two-hour laboratory per week. Fall.


**BIOL 3420. Plant Biology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. Basic Biology of plants, including morphology, reproduction, development, physiology, ecology, and relationships of major plant groups and their green algae ancestors. Two hours lecture and two-two-hour laboratories per week. Fall.

**BIOL 3460. Invertebrate Zoology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. Morphology, biology, life cycles, and relationships of the invertebrate organisms. Two hours lecture and two two-hour laboratories per week. Fall.

**BIOL 3480. General Entomology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. The biology of insects including their anatomy, physiology, life histories, behavior, taxonomy, geological history, and economic importance. Two hours lecture and two two-hour laboratories per week. Fall.

**BIOL 3550. Microtechnique (2 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, or equivalent. Methods for the study of plant and animal tissues. Two two-hour laboratories per week. Fall, Spring.

**BIOL 3992. Research Orientation (2 credits)** — Prerequisite or co-requisite: BIOL 1110-1111, 1120-1121, 1130-1131, 3100; MATH 1530 or 1910. Introduction to current research topics and methods in the biological sciences. Discusssions of methods and experimental design, and workshops on writing and oral presentations. Students will select an area of investigation, an appropriate faculty mentor for an individual research project, and complete a Research Prospectus. One two-hour meeting per week. Fall.

**BIOL 3999. Cooperative Education (1-3 credits)** — Fall, Spring.

**BIOL 4037/5037. Coastal Biology Field Trip (1 credit)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent; must have permission of instructor. Intensive field survey of the coastal flora and fauna. Extra fees. Course can be repeated for credit with limit of one credit toward major. Fall.

**BIOL 4047/5047. Ecological Field Trip (3 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent; must have permission of instructor. An extended field-oriented ecology course (approximately three weeks camping) to outstanding biomes of North America, i.e., deserts, alpine tundra, boreal forest, and prairies, involving field instruction, specimen collection, identification of organisms in their natural habitats. Some pre-trip and post-trip classroom sessions. Extra fees. Course can be repeated for credit with limit of three credits toward degree. Summer.

**BIOL 4147/5147. Biochemistry of Macromolecules (3 credits)** — Prerequisite: BIOL 1110 and one year of organic chemistry or equivalent. Topics include cellular organization: pH and buffering; energy changes in molecular interactions; structure and characteristics of amino acids and proteins; structure/function relationships of enzymes, carbohydrates, and lipids; and studies of the production, structure, and function of nucleic acids. Three hours lecture per week. Fall.

**BIOL 4157/5157. Biochemistry of Macromolecules Lab (2 credits)** — Prerequisite or co-requisite: BIOL 4147/5147, or equivalent. The theory and use of lab instruments and techniques will be introduced through a series of experiments designed to explore buffering, enzyme isolation & characterization, and DNA isolation & characterization. Experiment planning and interpretation of data generated by the students will culminate in journal-style reports. One four-hour lab per week. Fall.

**BIOL 4167/5167. Biochemistry of Metabolism (3 credits)** — Prerequisite: BIOL 1110 and one year of organic chemistry or equivalent. The metabolism of carbohydrates, lipids, amino acids, and nucleotides will be covered with emphasis on reactions, enzymes, energy changes, pathway regulation, and pathway integration. Production of energy-rich molecules in the cell will be linked to important cellular functions (i.e., biosynthesis, movement, and transport). Three hours lecture per week. Spring.

**BIOL 4177/5177. Biochemistry of Metabolism Lab (2 credits)** — Prerequisite or co-requisite: BIOL 4167/5167, or BIOL 4147/5147, or equivalent. The theory and use of lab instruments and techniques will be introduced through a series of experiments designed to investigate photosynthesis, electron transport, polymerase chain reactions, and enzyme kinetics. Experiment planning and interpretation of data generated by the students will culminate in journal-style reports. One four-hour lab per week. Spring.

**BIOL 4247/5247. Appalachian Flora (3 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent, or permission of the instructor. Field and laboratory identification and ecology of plants of the Southern Appalachian environs. Sixteen hours lecture and laboratory/field per week. Summer.

**BIOL 4257/5257. Appalachian Fauna (3 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent, or permission of the instructor. Field and laboratory identification and ecology of the animals of the Southern Appalachian environs. Sixteen hours lecture and laboratory/field per week. Summer.

**BIOL 4267/5267. Plant Development (4 credits)** — Prerequisite: BIOL 3100, or permission of instructor. Pattern of plant development from zygote or spore to mature plant. Emphasis on cell and tissue differentiation, organogenesis, and the influence of growth regulators. In the laboratory, students will observe morphogenesis and will design and undertake a project of their choice. Two hours lecture and four hours lab per week. Spring, odd years.

**BIOL 4277/5277. Neurobiology (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, or equivalent. An introduction to the study of neurobiology. Topics include fundamentals of cellular communication (action potentials, synaptic transmission, synaptic integration), sensory systems, motor systems, the neural basis of behavior, developmental plasticity, and learning. Examples are drawn from invertebrates as well as vertebrates. Four hours lecture per week. Fall.

**BIOL 4300. Seminar in Biology (2 credits)** — Prerequisite: Permission of instructor. For senior biology majors and minors. Training and experience in oral presentation of recent developments in biology research. Spring.

**BIOL 4337/5337. Plant Systematics (4 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131 or equivalent. Flowering plant classification and evolution. Characters and methods of traditional plant taxonomy, and computer-based phylogenetic methods using morphological and molecular data sets will be introduced. Plants will be studied in field and lab, and students will use data collected from plant specimens and from GenBank to conduct phylogenetic analysis in various angiosperm groups. Two hours of lecture and four hours of laboratory per week. (fall semester, odd years)

**BIOL 4347/5347. Biogeography (2 credits)** — Prerequisite: BIOL 1130 or equivalent or permission of instructor. Global and regional patterns in the distribution, abundance, and variation of plants and animals related to geographic conditions and earth history. One two-hour lecture per week.

**BIOL 4357/5357. Ethology (3 credits)** — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. An introduction to the study of animal behavior. Emphasis is placed on the ecology and evolution of behavioral patterns. Three hours lecture per week. Fall.
Biology Courses

Biology 4360. Evolution (3 credits) — Prerequisite: Completion of 20 credits of biological science courses. A survey of current topics related to the evolution of life on earth. Intended for senior biological sciences majors. One hour lecture and two hours discussion per week. Spring.

Biology 4367/5367. Systems Ecology (3 credits) — Prerequisite: BIOL 3350, or permission of instructor. Computer simulation modeling of ecological systems. Three hours lecture/discussion per week.

Biology 4417/5417. Teaching Biology in High School (3 credits) — Prerequisite: Twenty-seven credits in biology and approval of advisor. Methods and materials in the teaching of biology. Not accepted for credit toward biological sciences majors and minors. Fall.

Biology 4450. Bryophytes, Ferns, and Seed Plants (4 credits) — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent. Principal taxa of land plants characterized and compared in terms of structural, functional, and reproductive adaptations. Two hours lecture and two two-hour laboratories per week. Spring.

Biology 4467/5467. Ichthyology (3 credits) — Prerequisite: BIOL 3410, or permission of instructor. An introduction to the methodology of field collection, preservation, and identification of fishes. Quantitative analysis and preparation of summary reports on field collections will be emphasized. Two one-hour lectures and one three-hour laboratory per week.

Biology 4477/5477. Ornithology (4 credits) — Prerequisite: BIOL 3410, or permission of instructor. An introduction to the methodology of field identification, population censuses, seasonal diversity, and ecology of birds. One three-hour lecture and one three-hour laboratory per week. Spring.

Biology 4597/5597. Recombinant DNA Laboratory (3 credits) — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent; plus one year organic chemistry or permission of instructor. Theory and practice in molecular biology and recombinant DNA techniques, including recombinant DNA construction and gene transfer. One hour lecture and two three-hour laboratories per week. Spring.

Biology 4647/5647. Molecular Biology (3 credits) — Prerequisite: BIOL 3100, plus one year organic chemistry; BIOL 3150 recommended. Investigations into gene structure, gene expression and its regulation, and modern molecular methodology. Three hours lecture per week. Spring.

Biology 4737/5737. Conservation Biology (4 credits) — Prerequisite: BIOL 3100, or equivalent. Underlying ecological and population genetic forces governing the structure and dynamics of populations. Evaluation of current conservation strategies. Labs include field experiments on biodiversity, species monitoring strategies, field trips and use of population viability analysis. Two hours lecture, one hour discussion, and three hours laboratory per week. Fall, even years.

Biology 4747/5747. Population Genetics (4 credits) — Prerequisite: BIOL 3100, or equivalent. An exploration of mechanisms of genetic change in populations. Theoretical predictions and empirical evidence are considered. Emphasis on molecular-based methods. A combination of field and lab exercises. Three hours lecture and one three-hour laboratory per week. Fall, odd years.

Biology 4757/5757. Developmental Biology (3 credits) — Prerequisite: BIOL 3230, or permission of instructor. A study of advanced topics in developmental biology such as the role of extracellular matrix and gene regulation on gametogenesis and embryogenesis. Two one-hour lectures and one two-hour laboratory per week. Fall, odd years.

Biology 4767/5767. Plant Physiology (4 credits) — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131, or equivalent; plus CHEM 2010. A course in plant physiology dealing with physical and chemical processes affecting the growth, metabolism, and reproduction of plants. Includes study of the highly developed and diverse responses of plants to their environment. Three hours lecture, one hour oral component per week. Spring, even years.

Biology 4857/5857. Aquatic Biology (3 credits) — Prerequisite: BIOL 3350, or permission of instructor. Field trips collection, identification, and ecology of freshwater plants and animals. One hour lecture and two two-hour laboratories per week.

Biology 4867/5867. Marine Biology (4 credits) — Prerequisite: BIOL 1110-1111, 1120-1121, 1130-1131 or equivalent; BIOL 4360 recommended. Principles of marine biology with emphasis on habitats and ecological processes. Two hours lecture and two two-hour laboratories per week. Spring.

Biology 4900. Independent Studies (1-4 credits) Fall, Spring.

Biology 4910. Research in Biology (1-4 credits) — Prerequisite: Permission of the instructor. Independent, directed research for the advanced student. Field of study to be determined by mutual consent of the student and faculty advisor. Fall, Spring, Summer.

Biology 4917/5917. Philosophy of the Biological and Biomedical Sciences (3 credits) — Topics of philosophical and theoretical interest generated by the biological and biomedical sciences. Includes consideration of the broader social and cultural implications of biological and biomedical theory. Fall. BIOL 4957/5957. Special Topics in Biological Sciences (2-6 credits) — Prerequisite: Depending on subject matter. Selected topics in biological sciences. Offered upon sufficient demand for specific subject matter. May be repeated for different topics. Consultation with the instructor is recommended before enrollment. Fall, Spring.

Biology 4999. Cooperative Education (1-3 credits) Fall, Spring.

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

Biology 5100. Topics in Cell and Molecular Biology (3 credits)

Biology 5200. Topics in Organismal Biology (3 credits)

Biology 5300. Topics in Ecology and Evolution (3 credits)

Biology 5400. Topics in Systematic Biology (3 credits)

Biology 5600. Bibliographic Research (1 credit)

Biology 5700. Seminar (1 credit)

Biology 5900. Independent Studies (1-4 credits)

Biology 5960. Thesis (3 credits)

Biology 5990. Readings and Research (1-3 credits)

Biology 5989-99. Cooperative Education (1-3 credits)

Communicative Disorders

CDIS 4000. Communication Disorders and Diseases (3 credits) — An introduction to the professions of audiology and speech-language pathology providing an overview of communication sciences and normal communicative processes contrasted to disorders of speech, language, and hearing.

CDIS 4010. Speech and Hearing Science I (4 credits) — A study of the basic anatomy and physiology of speech/hearing mechanisms. Information pertaining to the biology and physics of spoken language are also presented. This course provides a laboratory experience that includes an introduction to the International Phonetic Alphabet and transcriptions of the speech from typical speakers with different regional dialects.

CDIS 4020. Speech and Hearing Science II (4 credits) — Prerequisite: CDIS 4010. A study of the physiologic acoustics of the auditory periphery, neurophysiology of the speech and hearing systems, and an introduction to research tools in speech and hearing science. The laboratory portion of the course provides interactive demonstrations pertaining to the physiologic acoustics of the auditory periphery, neurophysiology of the speech and hearing systems, and an introduction to instrumentation used in speech and hearing science.

CDIS 4060. Language Development (3 credits) — Prerequisite: CDIS 4000 and 4010. A study of the psycholinguistic aspects of language including cultural influences; the complex nature of language and the language-learning process; and the strategies involved in analyzing normal child communication.

CDIS 4200. The Clinical Process (3 credits) — Prerequisite: CDIS 4000. A lecture-discussion-demonstration course which includes supervised observation of the evaluation and treatment of children and adults with disorders of speech, language, and/or hearing as well as information related to clinical procedures and reports.

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

CDIS 5010. Neurological Bases of Communication and Cognition (3 credits)

CDIS 5015. Language Disorders in Children (3 credits)

CDIS 5025. Clinical Phonology (3 credits)

CDIS 5030. Fluency Disorders (3 credits)

CDIS 5035. Motor Speech Disorders (3 credits)

CDIS 5040. Adult Language Disorders (3 credits)

CDIS 5045. Dysphagia (3 credits)

CDIS 5070. Voice Disorders (3 credits)

CDIS 5100/6100. Instrumentation and Acoustic Measurement (3 credits)

CDIS 5110/6110. Anatomy, Embryology, Physiology (3 credits)

CDIS 5115/6115. Audiology Evaluation I (3 credits)

CDIS 5140/6140. Amplification Systems I (3 credits)
CDIS 5141/6141. Amplification Systems II (3 credits)
CDIS 5142/6142. Amplification Systems III (3 credits)
CDIS 5145/6145. Pathologies of the Auditory System (3 credits)
CDIS 5150/6150. Psychoacoustics (3 credits)
CDIS 5160/6160. Audiologic Techniques II (3 credits)
CDIS 5180/6180. Pediatric Audiology (3 credits)
CDIS 5195/6195. Electrophysiology I (3 credits)
CDIS 5196/6196. Electrophysiology II (3 credits)
CDIS 5200. Speech-Language Pathology in the Public Schools (3 credits)
CDIS 5205/6205. Speech-Language Pathology for Audiology Students (3 credits)
CDIS 5210. Communication Problems of the Aging (3 credits)
CDIS 5240. Pediatric Organic Disorders (3 credits)
CDIS 5260. Seminar in Intervention Issues (3 credits)
CDIS 5270. Augmentative Communication (3 credits)
CDIS 5275. Dysphagia Laboratory (1 credit)
CDIS 5285. Voice Laboratory (1 credit)
CDIS 5290. Advanced Adult Neurogenic Cognitive Communicative Disorders (3 credits)
CDIS 5300/6300. Rehabilitative Audiology for Children (3 credits)
CDIS 5310/6310. Rehabilitative Audiology for Adults (3 credits)
CDIS 5320. Auditory Processing Disorders (3 credits)
CDIS 5330/6330. Speech Perception (3 credits)
CDIS 5340/6340. Audiology Clinical Practice Management (3 credits)
CDIS 5400/6400. Research Methods in Communicative Disorders (3 credits)
CDIS 5410/6410. Audiology Seminar (3 credits)
CDIS 5510. Audiology Clinic for Speech-Language Pathologists (1 credit)
CDIS 5520/6520. Audiology Clinic (3 credits)
CDIS 5550. Externship Audiology (6-9 credits)
CDIS 5610. Speech-Language Pathology Clinic for Audiologists (1 credit)
CDIS 5620. Speech-Language Pathology Clinic: Child Evaluation/Treatment (3 credits)
CDIS 5640. Speech-Language Pathology Clinic: Adult Evaluation/Treatment (3 credits)
CDIS 5670. Speech-Language Pathology Clinic: Advanced (3 credits)
CDIS 5690. Externship: Speech-Language Pathology (3 credits)
CDIS 5900. Independent Study (3 credits)
CDIS 5960. Thesis (3-6 credits)
CDIS 5980. Special Topics in Communication Disorders (1-6 credits)
CDIS 5990. Readings and Research (1-3 credits)

Chemistry

♦ CHEM 1000. Chemistry and Well-Being (4 credits) — A terminal semester course designed to fulfill the General Education core requirement for a laboratory science course for non-science majors. The course will include discussions of chemistry and its relevance in society and our individual well-being. It will explore the role chemical science plays in understanding environmental issues, nutrition and health, drugs, medicine, genetic engineering, modern materials, energy sources, and other chemical technological progress important to our standard of living. Experimental projects to be done inside or outside of the classroom setting are included. These experiments are designed to illustrate and explore the principles/concepts and applications of chemistry.

♦ CHEM 1030. Introduction to Chemistry Survey (4 credits) — This course, designed for the non-science major, presents an interdisciplinary approach to the basic principles of chemistry. The importance of chemistry in today’s society, its relevance to many environmental questions, and other current issues involving chemistry will be emphasized. Three hours of lecture and one hour of laboratory/discussion per week.

♦ CHEM 1110-20. General Chemistry Laboratory (4, 4 credits) — Co-requisite: CHEM 1111-21, respectively. The basic course for students who expect to major in chemistry as well as those who wish to meet entrance requirements of professional schools. Three hours of lecture-recitation per week. A common grade will be given in 1110 and 1111 as well as in 1120 and 1121.

♦ CHEM 1111-21. General Chemistry Laboratory (0, 0 credit) — Co-requisites: CHEM 1110-20, respectively. Laboratory to accompany 1110-20. One three-hour laboratory per week. A common grade will be given in 1111 and 1110 and in 1121 and 1120.


CHEM 2221. Quantitative Analysis Laboratory (2 credits) — Co-requisite: CHEM 2220. Laboratory to accompany 2220. One four-hour laboratory period per week.

CHEM 2010-20. Organic Chemistry Lecture (3, 3 credits) — Prerequisite: CHEM 1120-21. Co-requisite: CHEM 2011-20, respectively. The basic course in the study of compounds of carbon. Three hours of lecture per week. Must be taken in proper sequence.

CHEM 2011-21. Organic Chemistry Laboratory (2, 2 credits) — Co-requisite: CHEM 2010-20, respectively. Laboratory to accompany 2010-20. One four-hour laboratory period per week. Must be taken in proper sequence.

CHEM 2989-99. Cooperative Education (3, 3 credits) — The application of classroom learning experience to on-the-job training.

CHEM 3110. Descriptive Inorganic Chemistry (3 credits) — Prerequisite: CHEM 1120-21. A study of properties and reactions of inorganic compounds with emphasis on trends in the Periodic Table. Three hours of lecture-recitation per week.

CHEM 3611. Introductory Integrated Laboratory (2 credits) — Co-requisite: Chem 3710 or CHEM 3750. Introduction to advanced chemistry laboratory techniques with emphasis on physico-chemical measurements. Includes data handling, report writing, and work with classical and instrumental methods. One four-hour laboratory period per week.

CHEM 3710. Principles of Physical Chemistry Lecture (3 credits) — Prerequisites: CHEM 2220-21. Prerequisites or co-requisites: CHEM 2010 and General Physics. Co-requisite: CHEM 3611. A brief physical chemistry course for the Chemistry Concentration program, with a life science emphasis. Three hours of lecture per week.

CHEM 3750-60. Physical Chemistry (3, 3 credits) — Prerequisites: Physics and Calculus. Prerequisites or co-requisites: CHEM 2010-11, 2220-21. Co-requisites: CHEM 4611, 4621, or 4631, respectively. Physical chemistry for those planning a career in the field of chemistry. Elements of thermodynamics, kinetics, and quantum chemistry. Three hours of lecture per week.

CHEM 3989-99. Cooperative Education (3, 3 credits) — For senior chemistry majors and minors. Research reports by students, faculty, and invited outside speakers on recent advances in chemistry. (May be repeated once for credit.)

CHEM 4110. Advanced Inorganic Chemistry Lecture (3 credits) — Prerequisite or co-requisite: CHEM 3750-60. Principles of theoretical and descriptive inorganic chemistry. Three lecture recitation hours per week.

CHEM 4200. Principles of Instrumental Analysis (3 credits) — Prerequisite: CHEM 2220-2221. Theory, instrumentation, and application of spectral methods (UV-VIS, IR, RAMAN, AA, AE, NMR, MS, etc.), electroanalytical methods (potentiometry, voltammetry, etc.) and separation techniques (GC, HPLC, TLC, etc.). Three hours of lecture per week.

CHEM 4611. Advanced Integrated Laboratory - Dynamics (2 credits) — Prerequisite: CHEM 3611. Advanced chemistry laboratory with emphasis on dynamic properties of chemical systems. Both classical and modern spectroscopic methods, such as UV-VIS, IR, and NMR, will be used. When possible, compounds used will be synthesized by the student. One four-hour laboratory period per week.

CHEM 4621. Advanced Integrated Laboratory - Structure (2 credits) — Prerequisite: CHEM 3611. Advanced chemistry laboratory with emphasis on structural analysis by modern instrumental techniques. When possible, compounds will be synthesized by the student. One four-hour laboratory period per week.

CHEM 4631. Advanced Integrated Laboratory - Analytical Techniques (2 credits) — Prerequisite: CHEM 3611. Advanced chemistry laboratory with emphasis on modern analytical techniques. Uses and limitations of the various techniques will be stressed. When possible, compounds used will be synthesized by the student. One four-hour laboratory period per week.

CHEM 4817/5817. Introduction to Industrial Chemistry (3 credits) — Prerequisite: CHEM 2020-21. Engineering of chemical reactions, mass and energy balance, process development and control, polymer chemistry and industrial pollution.
CHEM 4900. Research in Chemistry (1-3 credits) — Prerequisite: Permission of the chair of the department. Independent, directed research for the advanced student. Field of study to be determined by mutual consent of the student and faculty advisor.

CHEM 4957/5957. Special Topics in Chemistry (3 credits)

CHEM 4989-99. Cooperative Education (3, 3 credits)

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

CHEM 5010. Seminar in Chemistry (1 credit)

CHEM 5110. Advanced Inorganic Chemistry I (3 credits)

CHEM 5120. Advanced Inorganic Chemistry II (3 credits)

CHEM 5142. Reaction Mechanisms of Coordination Compounds (3 credits)

CHEM 5210. Advanced Analytical Chemistry I (3 credits)

CHEM 5220. Advanced Analytical Chemistry II (3 credits)

CHEM 5450. Advanced Laboratory in Chemistry (1-4 credits)

CHEM 5510. Advanced Organic Chemistry (3 credits)

CHEM 5541. Organic Reaction Mechanisms (3 credits)

CHEM 5710. Chemical Thermodynamics (3 credits)

CHEM 5741. Chemical Kinetics (3 credits)

CHEM 5743. Quantum Chemistry (3 credits)

CHEM 5950. Research in Chemistry (1-2 credits)

CHEM 5960. Thesis in Chemistry (1-4 credits)

CHEM 5989. Cooperative Education (1-3 credits)

CHEM 5990. Readings and Research (3 credits)

CHEM 5999. Cooperative Education (1-3 credits)

Criminal Justice and Criminology

CJCR 1100. Introduction to Criminal Justice (3 credits) — Conceptions of law and crime; the nature and extent of crime; overview of the interrelated criminal justice agencies.

CJCR 1200. Human Relations in Criminal Justice (3 credits) — An examination of models of human behavior, with particular emphasis on antecedents and conditions that affect personnel performance in criminal justice environments.

CJCR 1500. Criminal Investigation (3 credits) — Fundamentals of criminal investigation procedures; crime scene search and recording, collecting and preserving evidence, scientific and technical aids, case preparation.

CJCR 1600. Forensic Science (3 credits) — An introduction to methods used by crime laboratories and the chemical and physical interpretation of the data obtained by crime scene search; to include blood samples, fingerprints, tool marks, and fiber and fabric identification.

CJCR 2000. Research Methods for Criminal Justice and Criminology (3 credits) — Problems in the design and execution of criminal justice research. Various research strategies, including sample surveys, observation, experiments, and evaluation are discussed. Also reviewed are various sources of criminal justice data.

CJCR 2540. Criminal Law (3 credits) — The historical foundations of criminal law, elements of crime, purposes and functions of law, defenses to prosecution, and limits of the law.

CJCR 2989-99. Cooperative Education (1-3 credits)

CJCR 3000. Statistics for Criminal Justice and Criminology (3 credits) — Prerequisite: MATH 1530 or equivalent. Criminal statistics, hypotheses and theories, research and related problems, and ways and means of evaluating the effectiveness of criminal justice activities.

CJCR 3100. Patterns of Criminal Behavior (3 credits) — The social and psychological aspects of criminal behavior, criminality as a developmental process. Specific offender types will be examined.

CJCR 3300. Criminal Justice Ethics (3 credits) — Examination of ethical issues arising in the criminal justice field including police deviance, judicial misconduct, control of inmates in correctional settings, and field research dilemmas.

CJCR 3310. Criminology (3 credits) — An analysis of the major sociological theories of crime causation, sociological aspects of types of offenders, and techniques of measuring crime.

CJCR 3330. Police in America. (3 credits) — Historical and philosophical evolution of the police. Emphasis on functions and control of police in a democratic society. Analysis of policing from a social science perspective.

CJCR 3440. Corrections in America (3 credits) — Philosophical and historical evolution of punishment in the U.S. Emphasis on prisons, jails, community-based corrections. Efficiency of social control policies, such as "boot camp" prisons, rehabilitation, juvenile detention, capital punishment, etc., examined.

CJCR 3444. Microcomputers as a Research Tool (3 credits) — Prerequisite: CSCI 1100, MATH 1530, CJCR 3000. In-depth application of microcomputers in criminological research. Emphasis on data analysis using various software (SPSS/PC+, SAS); requires use of e-mail and Internet.


CJCR 3989-99. Cooperative Education (1-3 credits)

CJCR 4007/5007. Correctional Counseling (3 credits) — An overview of counseling methods; principles and procedures of therapeutic techniques; and processes for use in various correctional environments.

CJCR 4026. Themes of Justice (3 credits) — Introduction to philosophical concepts of justice utilizing a variety of films. Examination of issues such as prejudice, violence, punishment, and peacemaking in the context of social and criminal justice.

CJCR 4027/5027. Media and Crime (3 credits) — Examination of relationship between media and crime, with special emphasis on television. Course content examines both reporting and non-news media content relevant to crime and the criminal justice system, the study of audience effects and different response theories about media dissemination of news, opinion, information, and entertainment.

CJCR 4222. Criminal Justice Administration (3 credits) — Examination of principles of management and administration of criminal justice organizations. Emphasis on planning, budgeting, staffing, decision making, policy development, and program evaluation.

CJCR 4560. White-Collar Crime (3 credits) — Etiology and epidemiology of upper-class criminality. Emphasis on organizational, occupational, and crimes by the government. Functions of social control, punishment, and regulatory agencies are examined.

CJCR 4580. Violence: The American Experience (3 credits) — Examination of the role of violence in American society. Etiological and epidemiological issues addressed: emphasis on various forms of violence such as homicide, gangs, hate groups, and white-collar crime, and violence against women.

CJCR 4600. The Death Penalty in America (3 credits) — Historical, philosophical, and empirical examination of capital punishment. Emphasis on race, class, gender and death penalty. Legal issues including jury decision making, cruel and unusual punishment, and execution of the mentally ill, juveniles, and the innocent.

CJCR 4670. Race, Gender and Crime (3 credits) — Examination of experiences of women and people of color with agencies of social control. Comparison of crime rates, types of criminal offending, and victimization. Includes discussion of sexual and racial harassment in workplace.

CJCR 4800. Field Experience in Criminal Justice (6 credits) — Prerequisite: Prior arrangement with instructor, senior status, and departmental approval of application. A 225-hour field experience placement in a local or regional criminal justice agency or facility. The student will learn through orientation, observation, conferences, and work experience.

CJCR 4850. Criminal Justice and Family Violence (3 credits) — An examination of the various forms of family violence as they relate to the criminal and juvenile justice systems. Evaluation of alternative policies for intervention by police, courts, and correctional agencies.

CJCR 4900. Independent Study in Criminal Justice (1-3 credits) — Prerequisite: Consent of department chair. Directed study in specific areas of criminal justice literature not covered by organized undergraduate courses. A detailed research paper will be required.

CJCR 4950. Special Topics in Criminal Justice and Criminology (3 credits) — A seminar on selected topics of contemporary interest in criminal justice and criminology.

CJCR 4957/5957. Special Topics in Criminal Justice (3 credits) — Prerequisite: Senior or graduate status. A seminar on selected topics of contemporary interest.
**Prerequisite:** CPSC 3000 and 3040. Cardiopulmonary equipment utilized to perform basic modalities of care will be examined in detail. Emphasis will be placed on the assembly, maintenance, troubleshooting, adjustment, and application of equipment to patients. Laboratory practice will allow students to obtain operational proficiency prior to actual clinical experience. A wide variety of equipment will be introduced to include oxygen therapy, aerosol and humidity therapy, hyperinflation devices, chest physical therapy, and non-invasive monitors.

**Prerequisite:** ALHE 2010 and 2020. This course provides a study of advanced cardiopulmonary technology utilized in the critical care settings. Students will be responsible for the initiation, discontinuation, and evaluation of various cardiopulmonary critical care equipment.

**Prerequisite:** CPSC 3100 and 3110. Co-requisite: CPSC 3350. A discussion will be conducted on the etiology, pathophysiology, clinical manifestations, and prognosis of various cardiopulmonary diseases. Included will be the respiratory care practitioner’s role in the successful treatment of these disorders.

**Prerequisite:** CPSC 3000, 3010, and 3040. Co-requisite: CPSC 3100 and 3110. Clinical experience will introduce the student to the basic modalities in the treatment of cardiopulmonary diseases. Students will rotate to several local hospitals during the semester. Students will obtain proficiency in oxygen therapy, aerosol and humidity therapy, hyperinflation devices, chest physical therapy, patient assessment, and medical gas therapy.

**Prerequisite:** CPSC 3150. Co-requisite: CPSC 3140. This course allows the student to apply critical care principles taught in courses CPSC 3100 and 3110 in actual clinical settings. Students will be responsible for the initiation, discontinuation, and evaluation of various cardiopulmonary critical care equipment.

**Prerequisite:** CPSC 3100, 3110, and 3140. Co-requisite: CPSC 4150, 4500, and ALHE 4060. This course provides a study of advanced cardiopulmonary technology utilized in the critical care settings. Students will be required to complete Advanced Cardiac Life Support as part of this course. Also, topics include hemodynamic monitoring, advance mechanical ventilation, and therapist-driven protocols.

**Prerequisite:** CPSC 3350. Co-requisites: CPSC 4100, 4500, and ALHE 4060. This course will place the student in advanced and specialized areas in cardiopulmonary care. During the semester the student will be exposed to clinical areas including advanced critical care monitoring, intubation, neonatal/pediatrics, home health care, sleep disorders, cardiopulmonary stress testing, and metabolic cart studies.

**Prerequisite:** CPSC 4100 and 4500. Co-requisite: CPSC 4350 and ALHE 4070. The process of growth and development associated with cardiopulmonary care from the fetus to the adolescent will be discussed. Coursework will include a dialogue on the complications and risk factors associated with birth. Techniques of diagnosis and treatment of neonatal cardiopulmonary emergencies will be discussed. Upon the successful completion of this course, students will fulfill the requirements for the Neonatal Advanced Life Support program.

**Prerequisite:** CPSC 4150. Co-requisites: CPSC 4200 and ALHE 4070. This course emphasizes cardiac diagnostics, cardiac and pulmonary rehabilitation, neonatal/pediatrics, pulmonary function testing, and long-term care. Students are required to successfully complete computerized clinical simulation modules to review, enhance, and synthesize professional cognates and skills.

**Prerequisite:** CPSC 4100 and 3140. Co-requisite: CPSC 4350 and ALHE 4060. A discussion will be held on the use of diagnostic equipment utilized in the therapeutic treatment of patients with cardiopulmonary diseases. Topics include cardiac diagnostic tools, pulmonary rehabilitation, polysomnography, cardiopulmonary stress testing, metabolic cart, and pulmonary function studies.

**Prerequisite:** Admission to College of Applied Science and Technology or University Honors Program. This course will fully orient the student to the College expectation for an honors student. Discussion and activities will relate to preparation for academic success and developing information technology skills.

**Prerequisite:** Students will gain a working knowledge of word-processing, spreadsheets, electronic communication, and online database searching and will learn the skills necessary to integrate electronic information from various sources. Students learn through both lecture and hands-on experience.

**Prerequisite:** Students learn the concepts of designing spreadsheets, manipulating numeric information, developing formulas, presenting numeric information, and incorporating spreadsheet information into other electronic formats. This course will include both lecture and hands-on instruction.

**Prerequisite:** Students learn how to use database software to create specific applications. Emphasis will be placed on creating databases, forms, reports, and queries. This course will include both lecture and hands-on instruction.
CSCI 1250. Introduction to Computer Science I (4 credits) — Prerequisite: MATH 1040 or two years of high school algebra (students who are required to take developmental math must successfully complete it before taking CSCI 1250). Introduction to all aspects of the programming and problem-solving process and the elements of good programming style. A high-level language will be used as a vehicle for introducing these concepts. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course.

CSCI 1260. Introduction to Computer Science II (4 credits) — Prerequisite: CSCI 1250 or permission of the instructor. Programming in a high-level language, including programming concepts, good style, algorithms, documentation, and elementary data structures.

CSCI 1270. Business-Oriented Programming (4 credits) — Prerequisite: CSCI 1250 or permission of instructor. Designing and writing programs for business applications in a standardized high-level language with emphasis on structure, algorithms, and good programming practice.

CSCI 1510. Student in University (3 credits) — This course is meant to provide guidance to first-year university students as they begin their search for directions to take in self-definition, intellectual growth, career choices, and life skills.

CSCI 1600. Visual Programming with Applications (3 credits) — Co-requisite: CSCI 1100. An introduction to developing applications using a scripting language. This course is designed to show how to analyze problems, design solutions, and implement applications using a visual programming language in conjunction with applications such as word processing, spreadsheets, presentation software, and database management. Laboratory use of software and team participation are essential to this course.

CSCI 1710. World Wide Web - Design and Creation (3 credits) — Prerequisite: MATH 1720 or two years of high school algebra. This course will introduce the World Wide Web as a tool for delivering information and as a vehicle for introducing these concepts. Laboratory use of software and team participation is an integral part of this course.

CSCI 1720. World Wide Web - Advanced Concepts (3 credits) — Prerequisite: CSCI 1710. May not be used as a CSCI major elective if CSCI 2910 is taken. A study of browser scripting languages to control web content (such as, JavaScript and ActiveX). Topics will include: using browser interpreted language to control web content; writing back-end/server programs to handle interactive web pages (CGI); web design strategies; control structures; and implementation considerations. Students will design and implement real-world applications. Laboratory use of software and team participation is an integral part of this course.

CSCI 1800. Visual Programming I (3 credits) — Prerequisite: CSCI 1100. An introduction to all aspects of the programming and problem-solving process and the elements of good programming style. Visual Basic will be used as a vehicle for introducing these concepts. Laboratory use of the computer in designing, implementing, debugging, and executing programs is an integral part of the course.

CSCI 2038. Honors Professional Ethics (3 credits) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program and sophomore standing. A case-study approach to basic ethical issues likely to confront engineers, computer scientists, family and consumer scientists in their professional practices.

CSCI 2100. Introduction to "C" (3 credits) — Syntax and structure of the C language. The laboratory use of the computer in designing, coding, debugging, and executing programs in C is an integral part of the course.

CSCI 2150. Computer Organization (4 credits) — Prerequisite: CSCI 1250 or CSCI 1800. Introduction to Boolean algebra, combinational and sequential circuits. Gate and flip-flop characteristics. An introduction to machine architecture and system components to include memory subsystems and I/O subsystems. An introduction to operating systems including I/O handling, memory management, interrupt handlers, and other system programs. Concepts and techniques such as multiprocessing, virtual storage, and virtual machines. Data and instruction representation. Design, implementation, and demonstration of combinational and sequential logical functions will be an integral part of the course. A laboratory component of this course will provide hands-on experience in upgrading, repairing, and maintaining personal computers.

CSCI 2160. Assembly Language (4 credits) — Prerequisite: CSCI 2150 and 2150. The assembly language of a modern computer including the instruction set, pseudo-operations, macros, and conditional assembly. Object code, use of dumps, coding and linkage conventions, addressing techniques, use of the assembler. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course.

CSCI 2210. Data Structures (4 credits) — Prerequisites: CSCI 1260 Strings, lists, stacks, queues, arrays, trees and graphs. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course.

CSCI 2230. File Processing (4 credits) — Prerequisite: CSCI 2210. Techniques of information storage and retrieval. System utilities, use of DASD and other media. Sequential and random processing, consecutive, indexed, and other relative access methods. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course.

CSCI 2235. Introduction of Unix (1 credit) — Prerequisite: CSCI 2150 or 1800. An overview of the Unix operating systems environment, with special emphasis on bash scripting. Topics include the basic Unix command set; Unix text editing; filters; key utility programs; bash shell programming; and Unix multiprocessing and job control commands.

CSCI 2800. Visual Programming - Advanced Concepts (4 credits) — Prerequisite: CSCI 1800. A study of computer programming as a rapid application development (RAD) tool using a windows interface. Object-oriented design and programming concepts will be emphasized including: interface design, program flow, data flow, control structures, data types, elementary data structures, subprograms, and reusability. The current platform is Visual Basic.

CSCI 2910. Client and Server-Side Programming (4 credits) — Prerequisite: CSCI 1710 and CSCI 2800, co-requisite: CSCI 2235. A study of programming client and server-side applications for the Internet. Topics will include: client side programming, server-side programming, web-server scripting languages, common gateway interface applications; and real-world implementation considerations.

CSCI 2989-99. Cooperative Education (1-3, 1-3 credits)

CSCI 3030. Technical Communication (3 credits) — Prerequisites: ENGL 1010 and 1020. Preparation of written information in scientific and technical fields, including reports, specifications, handbooks, and papers designed for publication in technical and scientific journals. Exercises in oral communication as applied to scientific and technical fields will also be integral part of the course.

CSCI 3048. Honors Methods of Research (3 credits) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program. Analysis of the materials and methods of research appropriate to Applied Science and Technology.

CSCI 3220. Introduction to Database Systems (3 credits) — Prerequisites: CSCI 2210 and 2230, or CSCI 2910. A study of the use and underlying principles of database management systems, and approaches for database design with an emphasis on the relational approach. Students will learn how to use good design techniques and implement methods for both small and large databases. Laboratory use of database software for designing, implementing, debugging, and maintaining database systems will be an integral part of this course.

CSCI 3250. Software Engineering I (3 credits) — Prerequisite: CSCI 2210 and 2230, or CSCI 2910. An introduction to software systems development as an engineering discipline. All phases of the software development life cycle are examined, with particular emphasis on requirements analysis, requirements specification, and preliminary design. Participation on realistic team projects, use of automated tools, written and oral communication skills, exposure to legal, professional, and ethical issues are stressed.

CSCI 3310. Advanced Programming Techniques (4 credits) — Prerequisites: CSCI 1260 and 2160, or permission of the instructor. Development of software through good programming practices and software life cycle methodologies in a high-level language. Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral part of the course.

CSCI 3350. Software Engineering II (3 credits) — Prerequisite: CSCI 3250. Software development as an engineering discipline with emphasis on detailed design, implementation, testing, maintenance, project management. Verification and validation, configuration management, software quality assurance. Communications (written and oral), legal, professional, ethical issues. Participation on team projects, use of automated tools are integral.
CSCI 4018. Honors Thesis (3 credits) — Prerequisite: Satisfactory completion of all college honors classes and advisor approval. This thesis is a capstone academic experience bringing into focus the result of the student’s learning and career interest.

CSCI 4048. Honors International Study (3 credits) — Prerequisite: Satisfactory completion of all CAST Honors courses or college honors committee approval. This course will consist of a two-week international study and cultural experience in addition to a pre-tour orientation.

CSCI 4217/5217. Ethical Issues in Computing (3 credits) — Prerequisite: CSCI 3250. A study of the ethical issues facing computer users and computer professionals including an examination of the techniques for the analysis and resolution of these issues consistent with standards of the computing profession.

CSCI 4227/5227. Advanced Database Systems (3 credits) — Prerequisite: CSCI 3220. Introductions to Database Systems. A continuation of the study of the use and underlying principles of database design begun in CSCI 3220. Students will learn more of the internal working of database management systems, as well as exploring approaches other than the relational. Laboratory use of database software for designing, implementing, debugging, and maintaining database systems will be an integral part of this course.

CSCI 4317/5317. Law and the Internet (3 credits) — Prerequisite: Minimum of 60 hours completed or approval of the instructor. A multi-disciplinary overview of the relationship between the Internet and the laws of privacy, right to accurate information, access to information, first amendment, patents, trade secrets, trademarks and unfair business practices, jurisdiction, e-commerce, telecommunication, and antitrust.

CSCI 4417/5417. Introduction to System Administration (3 credits) — Prerequisite: CSCI 3400 and 2235. A survey of concerns related to management and design of local area networks. Topics include the practice of system administration; overview of network operating systems; best practices for system administration; fundamentals of Unix and Windows system administration; routing; network design; and remote network access. The course will provide hands-on experience with setting up and administering Unix and Windows network operating systems.

CSCI 4517/5517. Essentials of Multi-Media (3 credits) — Prerequisite: Senior standing or permission of instructor. A study of the basic elements of multimedia including text, graphic art, sound, animation, and video. This course will cover the methods of creating each of the elements of multimedia, and how to combine them into meaningful units for maximum effect. The instruction will be interactive and project-oriented. Teamwork and good design will be emphasized.

CSCI 4527/5527. Computer-Based Authoring Systems (3 credits) — Prerequisite: Senior standing or permission of instructor. A survey of methods in computer-based authoring systems. This course will cover the design, implementation, and evaluation of computer-based training modules using one or more authoring systems. Emphasis will be on the use of hypermedia and multimedia tools, analysis of instructional goals and their evaluation, and using the World Wide Web for delivery of instruction. Laboratory experiences and group projects will be an integral part of this course.

CSCI 4717/5717. Computer Architecture (3 credits) — Prerequisite: CSCI 2160 and CSCI 2210, or permission of instructor. Computer systems are viewed as consisting of a series of layers or levels, one on top of another. Topics of computer architecture are presented. Microprogramming stack computers, parallel computers, pipeline processing, multiprocessor, virtual storage, cache storage, addressing schemes, I/O and interrupt structures.

CSCI 4727/5727. Operating Systems (3 credits) — Prerequisite: CSCI 2160 and CSCI 2210, or permission of the instructor. The study of operating systems which are the primary resource managers of computer hardware. The main features provided by operating systems, including process management, storage management, processor management, and auxiliary storage management are studied in detail. Topics of networking and security are introduced. Case studies of representative commercial operating systems highlight the main features common to operating systems. Use of the computing laboratory is an integral part of the course.

CSCI 4800. Senior Project in Information Technology (3 credits) — Prerequisite: CSCI 3220. This course is designed for the last semester of study. It is a capstone course that will enable the student to tie many of his/her learning experiences together. Students will work in teams to identify software projects on campus and in the community that can be accomplished in 15 weeks. Lectures will focus on professional issues that include the short-term and long-term future of IT; strategies for finding and securing employment; non-technical elements of professional competence; and strategies for continuing career development after college.

CSCI 4857/5857. User Interface Programming (4 credits) — Prerequisite: CSCI 1250 and CSCI 1260, or equivalent. The concepts and programming techniques used to create applications with modern user interfaces. The course will focus on current technology as it applies to a modern operating system and software development tools. The course will focus on the user interface rather than underlying applications. Course will not count toward graduate degree requirements in Computer Science.

CSCI 4900. Independent Study (1-6 credits) — Prerequisite: Permission of the department. Individual or group projects done with permission of and under supervision of faculty. May be repeated for credit with approval.

CSCI 4910. Selected Topics in Computer Science (1-6 credits) — Prerequisite: Permission of instructor. Selected special topics in computer science not covered in other courses. May be repeated for credit with departmental approval if topics are significantly different.

CSCI 4957/5957. Special Topics in Computer Science (1-6 credits) — Prerequisite: Permission of instructor. Special topics not covered in other courses. May be repeated for credit with departmental approval if the topics are significantly different.

CSCI 4989-99. Cooperative Education (1-3 credits) —
Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.


CSCI 5150. Operating Systems: Advanced Concepts (3 credits)

CSCI 5200. Software Systems Engineering (3 credits)

CSCI 5210. Specification of Software Systems (3 credits)

CSCI 5220. Software Verification and Validation (3 credits)

CSCI 5230. Software Project Management (3 credits)

CSCI 5250. Database Design (3 credits)

CSCI 5300. Principles and Applications of Software Design (3 credits)

CSCI 5350. Graph Theory and Its Applications (3 credits)

CSCI 5460. Cryptography and Data Security (3 credits)

CSCI 5550. Directed Research I (3 credits)

CSCI 5610. Formal Languages & Computational Complexity (3 credits)

CSCI 5620. Analysis of Algorithms (3 credits)

CSCI 5900. Independent Study (1-9 credits)

CSCI 5910. Software Development Project I (3 credits)

CSCI 5920. Software Design Studio II (4 credits)

CSCI 5930. Software Development Project III (3 credits)

CSCI 5960. Thesis in Computer and Information Sciences (3 credits)

CSCI 5989-99. Cooperative Education (1-3 credits)

CSCI 5990. Readings and Research (1-3 credits)

Curriculum and Instruction

CUAI

CUAI 2440. Computer Applications in Education (3 credits) — Prerequisite: CSCI 1100 (or the proficiency exam). This course is an examination of the specific ways computer technology contributes to the quality of the educational environment.

CUAI 3221. IDEAS: Integrating Language Arts & Social Studies (3 credits) — Prerequisite: Students must be admitted to Teacher Education. This course sets forth an integrated approach to curriculum in which social studies content, literature, and language arts skills are taught through five central themes. These central themes are I-Imagination, D-Discovery, E-Encounters, A-Adventures, and S-Synergy. Language arts skills-listening, speaking, reading, writing, and thinking—are integrated into social studies and literature experiences that are based on meaningful content and children’s experience. Students are invited to get involved in a variety of creative activities and learning situations that range from individual inquiry to group interactions.
CUAI 3430. Elementary Methods in Mathematics (K-8) (3 credits)  
— Prerequisite: HDAL 2320, HDAL 3310, SPED 2300, and admission to teacher education. Designed to explore current methodology for teaching children and youth with a variety of learning and lifestyles. Modern techniques of classroom management are included. Appropriate field experiences are required.

CUAI 4008. Honors Service-Learning (1 credit)  
— Prerequisite: Admission to the College of Education’s honors program, HDAL 2008, and PEXS 3008. Honors service-learning in social/cultural agencies and programs related to education.

CUAI 4210. Integrated Teaching: Language Arts (3 credits)  
— Prerequisite: Admission to teacher education, MEDA 3570, HDAL 3310, READ 3100, and SPED 2300. This course is taken concurrently with CUAI 4220, and CUAI 4230. This course focuses on planning for teaching and learning, writing objectives, identifying materials, and defining strategies for teaching listening, speaking, reading, and writing in grades K-8. The emphasis is on planning, implementing, and assessing an integrated program on student learning and effective teaching. (Evaluative level portfolio required)

CUAI 4220. Integrated Teaching: Social Studies (3 credits)  
— Prerequisite: Admission to teacher education, MEDA 3570, HDAL 3310, READ 3100 and SPED 2300. This course is to be taken concurrently with CUAI 4210, and CUAI 4230. This course is designed to explore the current methodology and content of early- and middle-grade social studies education. Students design and implement learning experiences that incorporate meaningful uses of social studies concepts during field experiences. (Evaluative level portfolio required)

CUAI 4230. Integrated Field Experience I (1 credit)  
— Prerequisite: Admission to teacher education, MEDA 3570, HDAL 3310, READ 3100 and SPED 2300. Course is to be taken concurrently with CUAI 4210 and CUAI 4220. This course is a school-based field experience that accommodates the requirements for CUAI 4210 and CUAI 4220. Students participate in planning, implementing, and evaluating integrated instruction appropriate for students of varying backgrounds and abilities.

CUAI 4310. Integrated Teaching: Mathematics (3 credits)  
— Prerequisite: Admission to teacher education, CUAI 4210, CUAI 4220 and CUAI 4230. This course is taken concurrently with SCED 4320 and CUAI 4330. This course addresses methodology and theories for teaching and learning elementary mathematics (K-8) with attention paid to problem solving, diversity, current technologies, assessment (including diagnosis and remediation), current issues in mathematics education, reflective teaching and learning, and the application of mathematics to everyday life. (Evaluative-level portfolio required)

CUAI 4330. Integrated Field Experience II (1 credit)  
— Prerequisite: Admission to teacher education, CUAI 4210, CUAI 4220, and CUAI 4230. This course is to be taken concurrently with CUAI 4310 and SCED 4320. This course is a school-based field experience that accommodates the requirements for CUAI 4310 and SCED 4320. Students participate in planning, implementing, and evaluating integrated instruction appropriate for students of varying backgrounds and abilities.

CUAI 4407/5407. Integrating the Creative Art: K-8 (3 credits)  
— Prerequisite: Completion of the Arts and Artistic Vision course requirement in General Education and of fine arts course in K-8 concentration. Strategies for promoting the creative processes in children K-8 will be studied. Areas of focus will include visual arts, music, dance, and theatre. The importance of the arts in the development of children and their capacity for expression will be emphasized. The arts will lead to interdisciplinary study with authentic connections among and across other disciplines.

The following courses are designed to examine current methodology for teaching youth and adults possessing a variety of learning and lifestyles in the secondary school (7-12). Prerequisite: Admission to Teacher Education.

ARTA 4419. Teaching Art in Secondary Schools (3 credits)

AHSC 4717/5717. Vocational Home Economics Curriculum (3 credits)

AHSC 4727/5727. Methods for Vocational Home Economics Education (3 credits)

BIOL 4417/5417. Teaching Biology in High School (3 credits)

ENGL 4417/5417. Teaching English in Secondary Schools (3 credits)

ENTC 4787/5787. Methods of Teaching Vocational/Technology Education (3 credits)

GEOG 4417/5417. The Teaching of Geography and Earth Science (3 credits)

HIST 4417/5417. The Teaching of History (3 credits)

LANG 4417/5417. Teaching of Modern Languages (3 credits)

MATH 4417/5417. Teaching of Secondary Mathematics (3 credits)

SCED 4417/5417. Teaching Science in Secondary School (3 credits)

SPCH 4417/5417. Teaching Secondary School Speech & Theatre (3 credits)

THEA 4417/5417. Teaching Theatre Grades K-12 (3 credits)

CUAI 4417/5417. Secondary School Curriculum and Methodology (3 credits)  
— Prerequisite: Admission to Teacher Education. Co-requisite: Enrollment in CUAI 4427/5427. This course focuses on teaching and learning in secondary school and includes the study of curriculum and methodology suitable for a variety of life and learning styles. Offered fall and spring semesters. (Evaluative Level Portfolio required)

CUAI 4427/5427. Secondary School Curriculum and Methodology Field Experience (1 credit)  
— Prerequisite: Admission to Teacher Education. Co-requisite: Enrollment in CUAI 4417/5417. This field experience provides students with a school setting to implement class activities. Students are required to spend 30 hours working primarily with one mentor and a single class of students. Offered fall and spring semesters. (Evaluative Level Portfolio required)

CUAI 4437/5437. English as a Second Language (ESL) Assessment and Testing (2 credits)  
— This course is designed to equip participants with the knowledge and skills necessary to use multiple sources of information as they test and assess the English language proficiency of non-native speakers of English, place them for appropriate ESL and academic instruction, and assess their ongoing progress toward native-like proficiency and performance.

CUAI 4447/5447. English as a Second Language (ESL) Reading and Instruction (2 credits)  
— This course is designed to equip participants with the knowledge and skills necessary to develop appropriate curricula and instructional activities to fit the reading needs of non-English language background students with limitations in English proficiency that negatively affect their comprehension of English in print.

CUAI 4457/5457. English as a Second Language (ESL) Methods and Techniques (K-12) (2 credits)  
— Prerequisite: CUAI 4437/5437 and CUAI 4447/5447. This course explores pedagogical approaches to teaching Limited English Proficient (LEP) students in the K-12 arena. Some of the approaches to be explored are: the Natural Approach, Total Physical Response (TPR), Cooperative Learning, the Language Experience, Integrated Language Teaching, Whole Language, and the Cognitive Academic Language Learning Approach (CALLA).

CUAI 4467/5467. English as a Second Language (ESL) Curriculum Development (K-12) (2 credits)  
— Prerequisites: CUAI 4437/5437 and CUAI 4447/5447. This course exposes K-12 practitioners to curricular strategies that have been field tested in K-12 classrooms and found to support student learning. The strategies under investigation were developed by teachers and researchers working together to provide an education to children beginning to learn English. Strategies were selected on the basis of their usefulness in making rigorous core curriculum meaningful to students whose knowledge of English might otherwise hinder their academic progress.

CUAI 4517/5517. Math Methods for Early Childhood (3 credits)  
— Prerequisite: Admission to Teacher Education and completion of all math requirements. Co-requisite: This course is to be taken with CUAI 4527/5527 and CUAI 4537/5537. This course is designed to explore current methodology and materials for teaching mathematics to PreK-4 early childhood students. Appropriate field experiences are required.

CUAI 4537/5537. Integrated Field Experience for Early Childhood (1 credit)  
— Prerequisite: Admission to Teacher Education and successful completion of undergraduate mathematics and science requirements. Co-requisite: This course is to be taken with SCED 4527/5527 and CUAI 4517/5517. This course is a school-based course that builds on earlier field experience in the program and is connected to block of methods courses. Students will be expected to work 30 hours in schools and be involved with planning and implementing instruction for students of varying backgrounds and abilities in the areas of math and science.

CUAI 4547/5547. Emergent Literacy: PreK-4 (3 credits)  
— Prerequisite: Admission to Teacher Education. This course is designed to provide undergraduate and graduate students with a foundation for teaching reading and other literacy competencies to children in pre-kindergarten through grade four. Emphasis is on developing and enlarging understanding of the reading process and the teaching of reading. Strategies and protocols for effective reading and writing instruction are presented.

CUAI 4580. Directed Student Teaching (1-12 credits)  
— Prerequisite: Admission and retention in teacher education and admission to student teaching. Supervised teaching in the modern public school for elementary (K-8), or secondary (7-12) levels. (Professional Level Portfolio required)
DHYG 4000. Introduction to Dental Office Emergencies (1 credit)  
  Prerequisite: CPR certification. A study of frequently occurring dental office emergencies with emphasis placed on recognition and treatment of these emergencies.

DHYG 1600. Preclinical Dental Hygiene II (2 credits)  
  Prerequisites: DHYG 1200, 1201. A continuation of preparation necessary for the dental hygienist rendering oral health services.

DHYG 1601. Preclinical Dental Hygiene Lab II (2 credits)  
  Prerequisites: DHYG 1200, 1201. Six hours of laboratory experience in conjunction with Dental Hygiene 1600. Emphasis is placed on the application of instrumentation techniques in a supervised clinical setting.

DHYG 1700. Intro to General and Oral Pathology (3 credits)  
  An introduction to general and oral pathology including discussion of the more common diseases affecting the human body and study of the clinical manifestations of the common diseases affecting the oral and paroralal structures.

DHYG 1800. Dental Nutrition (2 credits)  
  A study of general nutrition and its application to preventive dentistry.

DHYG 1900. Dental Radiology II (1 credit)  
  Prerequisites: DHYG 1500, 1501. A two-credit lecture/laboratory to study the interpretation of periapical, bitewing, occlusal, and panoramic radiographs for recognition of periodontal conditions, dental caries, and other pathological conditions.

DHYG 2000. Clinical Practice I (4 credits)  
  Prerequisites: DHYG 1600, 1601. Three four-credit sessions of supervised clinical practice. An introduction to the treatment of the periodontally involved patient and performance of selected expanded services.

DHYG 2010. Preventive Dentistry I (1 credit)  
  Prerequisites: DHYG 1200, 1201, 1600, and 1601. This course is offered in conjunction with DHYG 2000 and is a part of the clinical education continuum. Major content emphasis includes dental hygiene treatment planning and patients with special needs.

DHYG 2020. Dental Anatomy and Histology (3 credits)  
  Prerequisites: Acceptance in the Dental Hygiene curriculum or special department approval. An introduction to the embryology, histology, and morphology of the structures found within the oral cavity. Study will include physiologic function of oral structures, tooth identification, and normal variants of oral anatomy. Root morphology will receive special emphasis.

DHYG 2030. Pre-Clinical Lecture (3 credits)  
  Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. An introduction to the knowledge, responsibilities, and skills required by the dental hygiene therapist to provide oral health care.

DHYG 2031. Pre-Clinical Laboratory (3 credits)  
  Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Pre-Clinical Dental Hygiene Lab includes basic concepts of dental hygiene therapy in conjunction with DHYG 2500. Clinical skills will be introduced on dental manikins. Resulting skills will be mastered on laboratory partners with direct faculty supervision.

DHYG 2040. Dental Office Emergencies (2 credits)  
  Prerequisite: Acceptance to dental hygiene program or special permission. CPR health care provider. The study of medical emergencies, as they relate to the practice of dental hygiene.

DHYG 2050. Occupational Safety for Dental Health Care Workers (1 credit)  
  Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A study of transmissible and acquired diseases and disorders associated with the practice of dental hygiene. The techniques and practices required to prevent such diseases will also be introduced.

DHYG 2060. Introduction to Dental Hygiene (1 credit)  
  Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Lecture and group discussion regarding the history, professional, legal, and ethical aspects of dental hygiene. The course is intended to introduce the dental hygiene student to the field of dental hygiene and the practice of dentistry.

DHYG 2130. Dental Hygiene Clinical Seminar I (1 credit)  
  Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. To provide the dental hygiene student with the knowledge and skills required to treat the patient with special needs.

DHYG 2131. Dental Hygiene Clinical Practice I (4 credits)  
  Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. This course is a continuation of DHYG 2501, and provides a supervised clinical setting for dental hygiene students to practice and demonstrate acquired skills and concepts with patient care.
DHYG 2160. Periodontology (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. The study of periodontics, designed to prepare students for clinical practice including treatment of early periodontal diseases.

DHYG 2170. Dental Radiology (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A study of the use of radiography in dentistry. Emphasis is placed on the formation of radiation and the properties which affect the dental image, radiographic techniques, radiographic processing, radio biological health, and the evaluation of dental radiographs for dental disease.

DHYG 2171. Dental Radiology Laboratory (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Laboratory experience in processing procedures and the techniques necessary to expose both bisection and paralleling technique full-mouth series, interproximal surveys, panoramic, oecclusal, and extraoral radiographs.

DHYG 2200. Introduction to Dental Materials Lecture (2 credits) — A study of the characteristics, physical properties, manipulation, uses, and care of materials used in the practice of dentistry.

DHYG 2201. Introduction to Dental Materials Lab (1 credit) — A three-credit laboratory that includes demonstration, participation, and practice with accepted materials and techniques commonly utilized in dental practice.

DHYG 2400. Clinical Practice II (4 credits) — Prerequisite: DHYG 2000, 2010. Three four-credit sessions per week of supervised clinical practice. Emphasis is placed on treatment of the periodontally involved patient and performance of selected expanded services.

DHYG 2410. Entry Clinical Seminar II (1 credit) — Prerequisite: DHYG 2000, 2010. This course is offered in conjunction with DHYG 2400 and is a part of the clinical education continuum. Major content emphasis includes the dental specialties.

DHYG 2500. Introduction to Community Dentistry (3 credits) — Survey of the theory and practice of dental public health, including field experiences in planning and development of dental health programs, dental survey, and screening methods and interpretation of results.

DHYG 2600. Introduction to Pharmacology (2 credits) — Prerequisite: CHEM 1310, 1311, HSCI 2010, 2020, 2230, 2231. The study of drugs currently used in dentistry with emphasis on their classification, usage, dosage, methods of administration, toxicology, and fundamentals of prescription writing.

DHYG 2700. Seminar in Ethics and Jurisprudence (1 credit) — A study of the principles of professional ethics, laws, and jurisprudence as they relate to the practice of dentistry and dental hygiene. Also includes a study of state dental practice acts and procedures for obtaining a position in dental hygiene.

DHYG 2800. Clinical Dental Hygiene (4 credits) — Prerequisite: DHYG 2400, 2410. Three four-credit sessions of supervised clinical practice with continued emphasis on the periodontally involved patient and the performance of selected expanded services.

DHYG 2810. Entry Preventive Dentistry III (1 credit) — Prerequisite: DHYG 2400, 2410. This course is offered in conjunction with DHYG 2800 and is a part of the clinical education continuum. Major content emphasis includes patient anxiety and pain control.

DHYG 2900. Problems in Dental Hygiene (3 credits) — Prerequisite: Permission of the instructor. An independent study plan. Individual student or group of students, select a significant problem in dental hygiene, then work under the direction of a faculty member to formulate, develop, and implement a plan of action appropriate to the problem. Areas of concentration may include clinical dental hygiene, dental public health, education, administration, or research.

DHYG 2950. Geriatric Dentistry (2 credits) — An introduction to the special considerations of the segment of the geriatric population confined to long-term care facilities. Special emphasis on dental health teaching strategies will be incorporated to assist students’ design and presentation of in-services to nursing home staff.

DHYG 3010. Head and Neck Anatomy (2 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. The study of head and neck anatomy as it applies to oral evaluation, radiographic interpretation and dental hygiene treatment.

DHYG 3020. General and Oral Pathology (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. An introduction to general and oral pathology focusing on those diseases that most frequently manifest in the oral cavity. Study will include etiology, clinical signs and symptoms, and treatment of diseases known to affect the oral cavity.

DHYG 3030. Dental Hygiene Clinical Seminar II (2 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. The study of management skills essential to the contemporary dental hygiene practice including the use of computers in practice management.

DHYG 3031. Dental Hygiene Clinical Practice II (4 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Clinical Practice II is a continuum of previous clinical courses. Skills and concepts are refined and expanded.

DHYG 3100. Contemporary Dental Hygiene Theory and Practice (5 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A study that will provide licensed dental hygienists the opportunity to evaluate current dental hygiene therapies interpreting them for application in dental hygiene practice.

DHYG 3110. Dental Materials (2 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A study of the characteristics, physical properties, manipulation, uses, and care of materials used in the practice of dentistry and dental hygiene.

DHYG 3111. Dental Materials Laboratory (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Three-hour laboratory that includes demonstration, participation, and practice with accepted materials and techniques commonly utilized in dental hygiene practice.

DHYG 3120. Pharmacology for Dental Hygiene (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. The study of pharmacology as it relates to dental hygiene practice.

DHYG 3130. Community Dental Health (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Survey of the theory and practice of dental public health, with emphasis on assessment, planning, implementation, and evaluation of community health problems. Includes the study of biostatistics, epidemiology, and their relationship to dental public health.

DHYG 3200. Issues in Dental Hygiene (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A study of dental and dental hygiene practice setting, legal and ethical issues, methods of procuring employment, compensation mechanisms and types of insurance.

DHYG 4000. Radiographic Interpretation (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A laboratory course introducing the dental hygiene student to the principles of radiographic interpretation of anomalies and the identification of normal anatomic landmarks.

DHYG 4010. Teaching Strategies for Allied Health (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. A study of the basic principles of developing and implementing classroom presentations. Emphasis will be placed on the basics of the educational process, and will lead to the development of a dental health lesson plan for the dental hygienist.

DHYG 4020. Dental Hygiene Clinical Seminar III (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Utilization of current technology to research selected dental hygiene topics and prepare multimedia presentations.

DHYG 4021. Dental Hygiene Clinical Practice (4 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Clinical Practice IV is a continuum of previous clinical courses. Skills and concepts continue to be refined and expanded.

DHYG 4030. Anesthesia and Pain Control (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. This course provides theory and delivery techniques required to administer local anesthetics for pain control during dental hygiene therapies.

DHYG 4110. Supportive Periodontal Therapy (3 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. The advanced study of periodontics, designed to prepare students for clinical practice including treatment of early periodontal diseases.

DHYG 4120. Dental Hygiene Clinical Seminar IV (1 credit) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Methods used in biostatistical research will be reviewed in an effort to assist the dental hygiene students in the construction of instruments which collect valid and reliable data.

DHYG 4121. Dental Hygiene Clinical Practice IV (4 credits) — Prerequisite: Acceptance in Dental Hygiene curriculum or special departmental approval. Clinical Practice IV is a continuum of previous clinical courses. Skills and concepts continue to be refined and expanded.
DIGM 2820. Industrial Illustration (4 credits) — An introductory study in rapid 3-D visualization and illustration techniques using traditional media to communicate and illustrate industrial product design. Lecture and Laboratory.

DIGM 2821. Desktop Publishing (4 credits) — Study of history, basic processes, materials, and methods of graphic arts and communication industries with emphasis on methods of computer-based production. Lecture and Laboratory.

DIGM 2822. Presentation Media (4 credits) — Introduction to organizing media projects and delivering clear and dynamic computer-based presentations of proposals and descriptions. This course prepares students for communicating and coordinating with others in collaborative projects. Lecture and laboratory.

DIGM 2825. Digital Media Systems (4 credits) — Introductory study of computer-based media systems with emphasis on universal standards and practices in hardware and software platforms. Includes overview and issues regarding computer media used in industrial, corporate, institutional work environments and for entertainment. Lecture and laboratory.

DIGM 2830. Introduction to Multimedia (4 credits) — Prerequisite: DIGM 2825. Introduction to methods and tools used to develop and deliver computer-based interactive multimedia: bitmap and vector graphics, animation, video, and audio. Students work with various computer software tools to create assets and author interactive control programs for various applications, such as CD-ROM, information kiosk, or delivery across the World Wide Web of the Internet. Lecture and laboratory.

DIGM 2840. Introduction to Visualization (4 credits) — Prerequisite: DIGM 2825. An introduction to 3-D digital visualization for specific applications (such as games, animation, product manufacturing, and architecture) using industry standard computer software to explore fundamentals of modeling, texturing, and animating. Includes study of the basic history of computer graphics technology. Lecture and laboratory.

DIGM 2850. Introduction to Hypermedia (4 credits) — Prerequisite: CSCI 1710, DIGM 2825. An introduction to hypermedia as information architecture comprising digital media elements linked across computer networks such as the World Wide Web and enterprise information systems, with emphasis on issues of usability and long-term maintenance of site and page design. Lecture and laboratory.

DIGM 2860. Introduction to Product Design (4 credits) — Prerequisite: DIGM 2825. An introduction to the product design cycle from initial concept to final manufacture. Emphasis is on direct experience of process factors affecting concept rendering, quality assurance, manufacturing efficiency, and marketing. Lecture and laboratory.

DIGM 3830. Intermediate Multimedia. (4 credits) — Prerequisite: DIGM 2830. Multimedia production using digital video and interactive animation for Internet and industrial information applications. A comprehensive overview of video image processing and composite media project development using professional caliper software and hardware. Lecture and laboratory.

DIGM 3840. Intermediate Visualization (4 credits) — Prerequisite: DIGM 2840. A study in advanced digital 3-D modeling, texturing and lighting techniques. Introduction to basic animation, animatics and storyboarding. Animation topics will include modifiers, hierarchies, free-form deformations, motion paths, etc. Lecture and laboratory.

DIGM 3850. Intermediate Hypermedia (4 credits) — Prerequisite: CSCI 1720, DIGM 2850. Designing and building data-intensive information systems as custom solutions for delivering interactive digital media using Extensible Markup Language (XML) and associated technology. Lecture and laboratory.

DIGM 3860. Intermediate Product Design (4 credits) — Prerequisite: DIGM 2860. Computer-based design using 3-D modeling in combination with physical models to conceive, prototype, and refine new products for manufacture. Lecture and laboratory.

DIGM 4177/5177. Computer Graphics (4 credits) — Study of advanced computer graphic systems with particular emphasis on postscript illustration and communication. Lecture and laboratory.

DIGM 4650. Digital Imaging (3 credits) — Study of digital imaging and processing as related to modern industrial problems. Areas of study will include a review of historical methods of manipulating images compared with recent innovations in technology and the use of digital formats. Graphic design, color usage and computer-based production of both traditional and digital publications will be studied.

DIGM 4837/5837. Advanced Multimedia (4 credits) — Prerequisite: DIGM 3830 or permission of instructor. Methods and best practices for producing and delivering quality multimedia projects on time and within budget. Emphasis is on management guidelines for each stage of the project life cycle present from a project manager’s view using task-related exercises. Course content is directed toward online collaborative project execution and is directed toward online marketing and distribution via multimedia vehicles. Lecture and laboratory.

DIGM 4839. Senior Project in Multimedia (4 credits) — Prerequisite: DIGM 4837. Working under supervision of a faculty member the student proposes, executes, and delivers a comprehensive project in multimedia to be reviewed and graded by a committee of Digital Media faculty.

DIGM 4847/5847. Advanced Visualization (4 credits) — Prerequisite: DIGM 3840 or permission of instructor. A study in advanced animation techniques. Topics may include, but are not limited to 3-D parametric animation (particle system), forward kinematics, inverse kinematics, bones systems and native character animation procedures with a focus on motion, timing and storytelling. Lecture and laboratory.

DIGM 4849. Senior Project in Visualization. (4 credits) — Prerequisite: DIGM 4847. Working under supervision of a faculty member the student proposes, executes, and delivers a comprehensive project in visualization to be reviewed and graded by a committee of Digital Media faculty.

DIGM 4857/5857. Advanced Hypermedia (4 credits) — Prerequisite: DIGM 3850 or permission of instructor. Collaboratively designing and implementing large-scale linked media publishing architectures (for Internet, intranet and extranet), with emphasis upon user-centered requirements gathering and work-centered design and documentation techniques. Lecture and laboratory.

DIGM 4859. Senior Project in Hypermedia (4 credits) — Prerequisite: DIGM 4857. Working under supervision of a faculty member the student proposes, executes, and delivers a comprehensive project in hypermedia to be reviewed and graded by a committee of Digital Media faculty.

DIGM 4867/5867. Advanced Product Design (4 credits) — Prerequisite: DIGM 3860 or permission of instructor. Issues of efficient product design, manufacturing constraints, and project documentation are examined in context of computer-based modeling and presentation for marketing and manufacturing. Lecture and laboratory.

DIGM 4869. Senior Project in Product Design. (4 credits) — Prerequisite: DIGM 4867. Working under supervision of a faculty member the student proposes, executes, and delivers a comprehensive project in product design to be reviewed and graded by a committee of Digital Media faculty.

English (DSPW)

DSPW 0800. Fundamentals of Composition (3 credits) — A course designed to help students develop essential skills for completing essay length assignments. This course concentrates on thematic organization, prewriting strategies, revising, editing, grammar, paragraphing, diction, and supporting a point. (The graduation requirement is increased by three credits for students enrolled in this course.)

Mathematics (DSPM)

DSPM 0800. Elementary Algebra (3 credits) — An algebra course emphasizing the fundamental operations of integers, fundamental operations of polynomials, exponents, factoring, algebraic fractions, linear equations with applications and solving quadratic and rational expressions by factoring. (The graduation requirement is increased by three credits for students enrolled in this course.)
DSPM 0850. Intermediate Algebra (3 credits) — An algebra course emphasizing radicals, exponents, quadratic equations, inequalities, linear equations, functions, and graphing. (The graduation requirement is increased by three credits for students enrolled in this course.)

DSPM 0990. Plane/Analytical Geometry (3 credits) — A course designed to fulfill a high school deficiency in geometry. The study of lines, angles, polygons, circles, surfaces, solids, the cartesian plane, and the development of critical thinking skills are stressed. These concepts are reinforced through activities on the computer.

Reading (DSPR)

DSPR 0800. Fundamental Reading (3 credits) — This course builds expertise in academic reading for university courses. Strategies taught in the course target the following reading proficiencies: acquisition of general vocabulary and discipline-specific terminology; recognition and expression of superordinate and subordinate concepts, interpretation of an author's purpose, opinion, and tone; fluency in reading; thoughtful response to written information and narration; summarization; and research techniques. (The graduation requirement is increased by three credits for students enrolled in this course.)

Study Skills (DSPS)

DSPS 0800. Learning Strategies (3 credits) — This course builds students' personal and academic management skills through work with the following topics: university resources and services for students, time management, cultural diversity, social management, career planning, lecture notetaking, study strategies, test-taking concerns, and academic anxiety. (The graduation requirement is increased by three credits for students enrolled in this course.)

Early Childhood Education

ECED 3111. Integrated Field Experience: Level I (1 credit) — Co-requisite: Students must enroll in ECED 3120, AHSC 3140, or ECED 3150. This course is a school-based field experience where an in-depth interaction with children, teachers, parents, and community agencies is required.

ECED 4111. Integrated Field Experience: Level II (1 credit) — Co-requisite: Students must be enrolled in ECED 3130, ECED 4160, or ECED 4150. This course is a level II clinical field experience for early childhood majors where course assignments in planning and implementing activities in the classroom with children ages birth through age 9 will be carried out.

ECED 4347/5347. Technology and Media in Inclusive Early Childhood Education (3 credits) — Prerequisite: Students must be admitted to Teacher Education. This course sets forth an integrated approach to curriculum in which social studies content, literature, and language arts skills are taught through five central themes. These central themes are I-Imagination, D-Discovery, E-Experiences that are based on meaningful content and children's experience. Students are invited to get involved in a variety of creative activities and learning situations that range from individual inquiry to group interactions.

ECED 4580. Student Teaching in Early Childhood Education (PK-4) (6 credits) — Co-requisite: ECED 4581. A supervised 15-week supervised experience in approved Early Childhood PreK and primary grade programs. Seminars will be held to coordinate and evaluate the student teaching experience.

ECED 4581. Seminar in Student Teaching in Early Childhood Education (3 credits) — Prerequisite: Students must be admitted to Teacher Education and this course must be taken in conjunction with student teaching. ECED 4580. The seminar is designed to provide input, feedback, and support for students during their student teaching experience. Formal and informal assessment of students in the classroom, student teaching reflections, curriculum planning and implementation, observation of other classroom environments, home visitations with students during student teaching, and general discussion of the student teaching experience will be part of this course.

Economics

ECON 1050. Economics and Society (3 credits) — An examination of economics and its relationship to current issues and other social sciences. This course will examine the major components of the nation's economic systems, how they relate to political and other institutions, and their impact upon the national heritage, international relations, and current events.

ECON 1088. Principles of Economics I - Honors (3 credits) — An introduction to macroeconomic analysis, which concentrates on the economy as a whole and includes such topics as inflation, unemployment and economic growth. It provides an overview of several economic perspectives. These viewpoints are further developed through classroom debates on current economic issues, and the writing and presentation of policy position papers.

ECON 2070. Quantitative Methods for Business I (3 credits) — Prerequisite: MATH 1530. Prepares students in the quantitative methods and data analysis methods commonly used in business with an emphasis on business applications utilizing methodologies such as fundamental algebra, systems of linear equations, differentiation, optimization, and business applications of probability and statistics.

ECON 2080. Quantitative Methods for Business II (3 credits) — Prerequisite: ECON 2070. This course advances the quantitative sequence begun by MATH 1530 and ECON 2070 by presenting more advanced topics in statistical inference: analysis of variance, nonparametric statistics, regression and correlation, index numbers, and time series analysis as these topics relate to business decisions.

ECON 2210. Principles of Economics I (3 credits) — An introduction to macroeconomic analysis which concentrates on economy-wide systemic issues such as inflation, unemployment, and the level of economic activity.

ECON 2220. Principles of Economics II (3 credits) — A study of economics which concentrates on micro-theoretical concepts such as pricing, consumer choice, business production, and profit decisions.

ECON 3030. Microeconomics: Theories of Business Behavior (3 credits) — Prerequisites: ECON 2070, 2210 and 2220. An exposition of price theory and its applications.

ECON 3040. Macroeconomics: Analysis and Policy (3 credits) — Prerequisite: ECON 2070, 2210, and 2220. Determination of the aggregate level of income, employment, and price. An examination of economic policy: fiscal policy, monetary policy, and income policy, as related to problems of inflation, recession, and economic growth.

ECON 3088. Research Methods and Statistics - Honors (3 credits) — Prerequisite: MATH 1530, ECON 2070, and 2080. The student will obtain an understanding of the process used in conducting business research and its place in the development of sound business policy. Research methods will include the scope of business research, problem identification, hypothesis testing, data analysis, and survey research. Statistical analysis topics include chi-square tests, t and f tests, analysis of variance, regression and correlation, and nonparametric methods. Students will be expected to appoint members to their honors thesis committee and to prepare and present their thesis research proposal as part of the course requirements.

ECON 3310. Monetary Economics (3 credits) — Prerequisite: ECON 2210 and 2220. Functions of the monetary systems of the American and international economies and their influence on economic activity.

ECON 3700. History of Economic Concepts (3 credits) — Prerequisite: ECON 2210, 2220, and declared major. A study of the development of economic theory from Adam Smith to the present day.

ECON 4018. Senior Honors Seminar (3 credits) — Prerequisite: ECON 3088 and admission to the College of Business Honors Program. A seminar for College of Business honors students who are working on senior honors theses or other approved projects. Upon successful completion of the course, students will have demonstrated the ability to complete the research process by creating a written product suitable for submission to the College of Business faculty.

ECON 4317/5317. Health Care Economics (3 credits) — Prerequisite: ECON 2210 or prior approval needed. An overview of the economics of the health care industry; topics include the production and pricing of health, the demand and supply of medical care and health insurance, the markets for physician and hospital services, health manpower, medical education, and the role of government and legislation in health care.
ECON 4327/5327. Labor Economics (3 credits) — Prerequisite: ECON 2210 and 2220. Theoretical and real world operations of labor markets. Labor relations systems in the United States, Europe, and Japan including the role of labor unions. Major issues in labor relations such as labor law reform, wage inequality, and employment discrimination.

ECON 4337/5337. Government Finance and Public Choice (3 credits) — Prerequisite: ECON 2210 and 2220. The economic functions of government in a market-oriented economy; how governments allocate expenditures according to the preferences of individuals that comprise society; how governments raise money to finance their expenditures.

ECON 4447/5447. Urban and Regional Economics (3 credits) — Prerequisite: ECON 2210 and 2220, or consent of instructor. An examination of the theories of urban and regional economic growth and development.

ECON 4457/5457. Industrial Organization and Regulation (3 credits) — Prerequisites: ECON 2210 and 2220. An overview of the structure and performance of the U.S. economy. Review and evaluation of public policies adopted to improve economic performance, such as antitrust and public utility regulation. Current issues include competitiveness, deregulation, high technology, and foreign competition.

ECON 4527/5527. International Economics (3 credits) — Prerequisites: ECON 2210 and 2220. Economic specialization and international trade and investment. The growth of the global economy and economic integration. The gains and losses to consumers and producers. Government policies to promote and/or restrict international business activities. Role and operation of the international financial system. The rise of multinational companies and global markets.

ECON 4610. Managerial Economics (3 credits) — Prerequisite: ECON 2080, 2210, and 2220. Application of economic theory and statistics to various business and economic problems facing the management of a firm. Major topics include economic forecasting, demand analysis, cost analysis, pricing, investment decisions, and linear programming. This course is mathematically oriented.

ECON 4900. Independent Study in Economics (1-3 credits) — Designed for advanced students who, under the direction of an economics faculty member, wish to engage in independent research or an intensive study of subjects not covered in other available courses. Prior departmental and college approval is needed.

ECON 4905. Economics Internship (3 credits) — Prerequisite: Must have completed a minimum of six semester credits at the upper division level in the student’s major, junior or senior standing and a GPA of 2.7 or above. Students are selected through a competitive process for assignments in approved business or public-sector organizations as interns under the supervision of the internship coordinator and field placement supervisors. Students may not earn more than three semester credits for this course which can be used as a free elective or an elective within a business major with prior approval by the chair.

ECON 4957/5957. Topics in Economics (3 credits) — Prerequisite: Senior or graduate standing and permission of instructor. This course gives students an opportunity to study special problems and new developments in the field of economics.

Economics Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

ECON 5000. Essentials of Economics (3 credits)
ECON 5010. Essentials of Statistics (3 credits)
ECON 5510. Current Social and Economic Issues (3 credits)
ECON 5900-01. Independent Study in Economics (1-3 credits)

Foundations of Education
EDFN
EDFN 2100. Orientation to the Profession of Education (1 credit) — This course will provide the student interested in the teaching profession with an overview of the opportunities, problem, and realities of teaching. Students will learn about matters concerning the requirements that must be met in order to complete the teacher education program at ETSU.

EDFN 2300. Foundations for Teaching (3 credits) — Prerequisite: EDFN 2100 and students must have met one of the state mandated test score requirements. This course is an introduction to the roles of the professional teacher, teaching as a career, and the teaching/learning process. Particular attention will be given to educating teachers as leaders for the 21st century. Field experience is required, 30 hours.

EDFN 3301. Issues in Education (3 credits) — Prerequisite: Students should successfully complete EDFN 2100, Orientation to the Profession of Education and EDFN 2300, Foundations for Teaching or AHSC 2120 Foundation of Early Childhood (if appropriate), prior to enrolling in this course. Students must also be admitted to the Teacher Education Program prior to enrolling in this course. Issues in education are examined in the context of historical, philosophical, and sociocultural foundations of teaching. Issues of gender, social class, and ethnicity are discussed. Field experience is required.

EDFN 4581. Seminar in Education (3 credits) — Co-requisite Enrollment in Student Teaching. This seminar is designed to address issues of importance to student teachers. Seminar participants will focus on issues such as formal and informal assessment for instructional and motivational purposes; classroom management and discipline; skills in observing, analyzing, and critiquing teaching for improvement; and practical application of principles to specific routine and non-routine situations in K-12 classroom. Field assignments will be completed during student teaching.

Graduate Course Listings
EDFN 5000. History and Philosophy of Education (3 credits)
EDFN 5010. Interdisciplinary Seminar (1 credit, may be repeated for a total of 3 credits)
EDFN 5050. Social and Political Influences on School (3 credits)
EDFN 5400. Current Issues in Education Seminar (3 credits)
EDFN 5405. The Profession of Teaching (1 credit)
EDFN 5410. Foundations of Education (3 credits)
EDFN 5411. Exploring School (3 credits)
EDFN 5950. Methods of Research (3 credits)
EDFN 6906. Independent Study in Foundations of Education (3 credits)
EDFN 6730. Foundations: Historical and Philosophical Foundations of Education (3 credits)

Educational Leadership & Policy Analysis
ELPA
ELPA/MGMT 4460. Leadership Studies (3 credits) — The study of leadership from an historical and contemporary perspective. Students will identify, apply, and reflect on aspects of leadership development, including concepts of personal change toward effective leadership in a changing environment. Topics cover personal assessment and development, values and ethics, power and influence, followership, group dynamics, controversy with civility, and citizenship.

English
ENGL 1000. Academic Advantage (2 credits) — This course helps the first-year student make the transition to the university, develop a better understanding of the learning process, and enhance essential academic skills. The course provides a support group for students in a critical transitional year by examining problems and issues common to the first year of college. Elective credit only; does not apply toward the major or minor requirements.

♦ ENGL 1006. English as a Second Language (3 credits) — International students may enroll in this sequence rather than in ENGL 1010-1020. English taught as a second language; emphasis on composition, grammar, and comprehension of college-level texts.

♦ ENGL 1008. English as a Second Language (3 credits) — International students may enroll in this sequence rather than in ENGL 1010-1020. English taught as a second language; emphasis on composition, research, and comprehension of college-level texts.

ENGL 1007, 1009. English as a Second Language Laboratory (1 credit) — Emphasis on pronunciation, classroom listening skills, and English conversation. Required of all undergraduate students registered for ENGL 1006 and 1008.
ENGL 1010. Critical Reading and Expository Writing (3 credits) — Writing paragraphs and essays based on close readings of various texts; emphasis on clear, grammatically correct expository prose. Students must take this course during the first eligible semester at the university.

ENGL 1018. Honors Composition I (3 credits) — Prerequisite: ACT score of 25 or permission of the English Honors Director. Writing essays based on critical readings of various texts; presupposes basic competency in grammar, mechanics, and organizational skills; develops advanced degrees of stylistic and formal fluency and critical sophistication.

ENGL 1020. Critical Thinking and Argumentation (3 credits) — Prerequisite: ENGL 1010 or equivalent. Writing essays based on critical analyses of various literary texts; emphasis on sound argumentative techniques; requires documented research paper.

ENGL 1028. Honors Composition II (3 credits) — Prerequisite: ENGL 1010, 1018 or equivalent and permission of the English Honors Director. Writing essays based on critical analyses of various literary texts; emphasis on sound argumentative techniques and a documented research paper. Students are expected to exhibit stylistic fluency and organizational sophistication.

ENGL 2030. Literary Heritage (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents. Satisfies requirement for 3 hours in the “Heritage” area of familiarity but does not meet requirements for a major or minor in English. An introduction to literature revolving around the theme of heritage, particularly as heritage is illustrated in Western and Non-Western culture through short fiction, poetry, and drama.

ENGL 2130. American Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents. A survey of important American writers from Colonial times to the present.

ENGL 2138. Honors Survey of American Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or Honors equivalents. Open only to those in English Honors or with permission of the English Honors Director. A broad survey of American literature from Colonial times to the present.

ENGL 2210. British Literature I (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents. Survey of major British writers from Anglo-Saxon Period through 18th century.

ENGL 2220. British Literature II (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents. Survey of major British writers from the Romantic Period to the present.

ENGL 2238. Honors Survey of British Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or Honors equivalents. Open only to those in English Honors or with permission of the English Honors Director. A broad survey of English literature from Beowulf to the present.

ENGL 2330. World Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents. Various genres from such non-European cultures as early Middle East, Asian, African, and Latin American.

ENGL 2338. Honors Survey of World Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or Honors equivalents. Open only to those in English honors or with permission of the English Honors Director. A broad survey of literature from non-European cultures.

ENGL 2430. European Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents. Various genres from ancient texts and European literature which form the basis of Western heritage in literature and many of the arts.

ENGL 2438. Honors Survey of European Literature (3 credits) — Prerequisite: ENGL 1010 and 1020 or Honors equivalents. Open only to those in English honors or with permission of the English Honors Director. A broad survey of European literature which form the basis of Western heritage.

ENGL 3010. Poetry (3 credits) — Study of poetry as a genre with attention to its form and techniques. Reading and analysis of poems written by acknowledged masters of the genre.

ENGL 3020. Fiction (3 credits) — Course focuses on fiction as genre, with emphasis on technique and form in fiction, such as style and point of view. Readings include masters of both the short story and novel.

ENGL 3030. Drama (3 credits) — Study of drama as a genre with attention to its development and techniques. Readings and analysis of plays written by acknowledged masters of the genre.

ENGL 3040. Literary Nonfiction (3 credits) — Special attention to the history and forms of the essay. Subgenres covered may include autobiography and memoir; history as literature; travel writing; reportage and journalism.

ENGL 3065. Southern Appalachian Literature (3 credits) — Survey of Southern Appalachian literature from the eighteenth century to the present.

ENGL 3100. Introduction to Linguistics (3 credits) — The nature of language: different approaches to languages in various disciplines, such as psycholinguistics, sociolinguistics, computer linguistics, and speech pathology.

ENGL 3118. Honors Literature Focus (3 credits) — Prerequisite: ENGL 2138, 2238, 2338, or 2438. Open only to those in English Honors or with permission of the English Honors Director. Concentration on an area of literature studied more generally in one of the honors survey courses. Content will vary.

ENGL 3128. Honors Special Topics (3 credits) — Prerequisite: ENGL 2138, 2238, 2338, or 2438. Open only to those in English Honors or with permission of the English Honors Director. Study of special topics associated with the discipline of English. Content will vary. May be repeated for credit when content changes.

ENGL 3130. Advanced Composition (3 credits) — Skills of exposition with emphasis on traditional grammatical principles; methods of organizing reviews, articles, and sketches.

ENGL 3134. Computers, Writing, and Literature (3 credits) — An introduction to uses of computers in writing and literature, including document design and publishing on computers, interactive fiction and poetry, and Internet resources for literary study.

ENGL 3141. Creative Writing I (3 credits) — Prerequisite: ENGL 1010 and 1020 or equivalents and one 2000-level literature course. An introduction to creative expression in a single genre, such as fiction, poetry, or drama. May be repeated for credit when content changes.

ENGL 3150. Literature, Ethics, and Values (3 credits) — ENGL 1010 and 1020 or equivalents. Readings and discussions which reveal ethics and values in literature, including contexts of philosophy, history, and art; designed to enable students to form their own ethical positions and social values.

ENGL 3200. History of the English Language (3 credits) — Study of the development of the English language from origins with attention to phonological analysis and the dynamics of change in language.

ENGL 3270. Literature of Popular Culture (3 credits) — Selected topics in popular culture; supernatural, detective fiction, westerns, etc.

ENGL 3280. Mythology (3 credits) — Classical mythology and myths from other cultures; relation of myth to literature, psychology, and popular culture.

ENGL 3290. Introduction to Film (3 credits) — The techniques and aesthetics of cinema, studied through presentation of feature and short film.

ENGL 3300. Literary Criticism (3 credits) — Theories of literature and criticism; selection of major theories to selected works.

ENGL 3300. African American Literature I (3 credits) — Survey of literature ranging from slave narratives to contemporary works by African American writers, with particular attention to cultural influence and inspiration.

ENGL 3500. Women Authors (3 credits) — Study of significant women writers, including essayists, and how their works address gender issues.

ENGL 3650. American Folklore (3 credits) — Folklore as a basic element in the understanding of American culture and literature.

ENGL 4008. Honors Shakespeare (3 credits) — Prerequisite: ENGL 3138, 3238, 3338, and 3438. Open only to those in English Honors. Study of selected poems and plays by Shakespeare.

ENGL 4010. British Novel (3 credits) — Study of the development of the British novel from beginnings until present, usually including DeFoe, Austen, Dickens, Eliot, among others.

ENGL 4012. American Novel (3 credits) — A survey of representative American novels from the nineteenth century to the present.

ENGL 4017/5017. Children’s Literature (3 credits) — History, genres, methods of presentation, emphasis on sources of criticism, and bibliography.

ENGL 4018. Honors Thesis (3 credits) — Open only to those in English Honors. Directed research in an approved topic; required for departmental honors.

ENGL 4020. British Poetry (3 credits) — Study of the development of British Poetry by major contributors to the genre, with attention to various forms and poetic techniques.

ENGL 4022. American Poetry (3 credits) — Study of the development of American poetry from colonial times to the present.

ENGL 4030. Modern Drama (3 credits) — Representative writers of the Modern Era; includes O’Neill, Williams, Synge, Shaw, Eliot, Beckett, and Osborne.

ENGL 4032. African Literature (3 credits) — Short stories, novels, poetry, and drama of African writers; includes translations as well as works written in English.
ENGL 4040. Modernism and Postmodernism (3 credits) — Readings in Modern and Postmodern literature, including fiction and poetry. May include drama, performance and cross-genre experimentation. Focus on works written in English but may include some works in translation.

ENGL 4047/5047. African American Literature II (3 credits) — Focus on central issues addressed by African American literature, with emphasis on such topics as “The Harlem Renaissance,” African American Autobiography and Bildungsroman.

ENGL 4057/5057. Writing: Theory and Teaching (3 credits) — An examination of current theory and research in composition and pedagogical techniques.

ENGL 4077/5077. Literature for Adolescents (3 credits) — Wide reading, evaluation, and selection of literature appropriate to persons from 12 to 18.

ENGL 4087/5087. Themes in Women’s Literature (3 credits) — Studies of themes and issues affecting women as portrayed in selected fiction, poetry and drama.

ENGL 4100. Writing in the Professions (3 credits) — Study of and practice in writing appropriate to professional settings: reports, proposals, letters, including conventions of electronic discourse.


ENGL 4120. Descriptive Linguistics (3 credits) — The nature of language through the framework of descriptive linguistics with emphasis on the role of phonology, morphology, and syntax in language systems.

ENGL 4130. Social and Psychological Aspects of Language (3 credits) — Study of various principles that govern the way language is used, with attention to mental processes involved in language use.

ENGL 4137. Dialectology (3 credits) — Study of regional and social language variations, including dialect geography and sociolinguistics. Emphasis on linguistic features of Appalachian dialects.

ENGL 4200. Shakespeare and His Age (3 credits) — Course emphasizes Shakespeare’s drama, including selections from tragedies, histories and comedies, with some attention to his contemporaries, such as Marlowe and Jonson.

ENGL 4207/5207. Literature of the South (3 credits) — Significant works of Southern writers including Simms, Faulkner, Warren, Wolfe, and Welty.

ENGL 4217/5217. Irish/Scottish Literature (3 credits) — Study of majors writers in Irish and Scottish literature with attention to folklore and culture.

ENGL 4290. Film Genres (3 credits) — A genre approach including but not limited to comedy, western, film noir, and documentary; may be repeated for credit when content varies.

ENGL 4320. Film Criticism (3 credits) — Explores various critical approaches to film, including textual, genre, auteur, scholarly and specialized. Emphasizes students’ written expression of their own evaluations.

ENGL 4340. Topics in Film (3 credits) — Selected film topics not included elsewhere in course offerings such as sports film, African-American films, films of Appalachia. May be repeated for credit when content varies.

ENGL 4417/5417. Teaching English in Secondary Schools (3 credits) — Instruction in the methods and materials to be used by English teachers in middle and high schools. Offered during fall semester. Counts as professional education credit.

ENGL 4507/5507. Literature in Film (3 credits) — Film adaptations of significant literary works.

ENGL 4690. Milton and His Age (3 credits) — Paradise Lost, Paradise Regained, Samson Agonistes and selected short poetry; examination of Milton’s role as artist and thinker in his time and in the modern world.

ENGL 4700. Chaucer and His Age (3 credits) — The Canterbury Tales and other selections from the period.

ENGL 4857/5857. Technical Writing (3 credits) — Course emphasizes organization and presentation of technical material through effective applied writing, such as use of graphics, indexing, storytelling, etc.

ENGL 4896. Studies in English (3 credits) — Study in selected topics/themes in literature.

ENGL 4907/5907. Creative Writing II: Fiction (3 credits) — Prerequisite: ENGL 3141 or permission of the instructor. Advanced course in writing of fiction. Considerable attention to craft and form of stories written by acknowledged masters of genre.

ENGL 4917/5917. Creative Writing II: Poetry (3 credits) — Prerequisite: ENGL 3141 or permission of the instructor. Advanced course in writing of poetry. Considerable attention to craft and form of poems written by acknowledged masters of the genre.

ENGL 4957/5957. Topics in English (3 credits) — Selected topics in the discipline. Can be repeated for credit when content changes.

ENGL 4989. Cooperative Education (1-3 credits) — Students must clear arrangements through the Cooperative Education office prior to registration. Only six credits allowed as part of major requirements. Planned and supervised work in business, industry, and government agencies. Students may alternate between periods (usually two semesters) of full-time study and employment with a C.E. employer. Credit received carries full academic value, and students receive compensation as full-time employees.

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

ENGL 5019. Supervised Experience in Teaching (3 credits)
ENGL 5020. Medieval Literature (3 credits)
ENGL 5029. Supervised Experience in Research (3 credits)
ENGL 5039. Supervised Experience in Administration (3 credits)
ENGL 5060. Literature of Southern Appalachia (3 credits)
ENGL 5160. Renaissance Literature (3 credits)
ENGL 5200. Restoration and 18th Century Literature (3 credits)
ENGL 5250. Eighteenth Century British Novel (3 credits)
ENGL 5300. Romantic Literature (3 credits)
ENGL 5350. Victorian Literature (3 credits)
ENGL 5400. Nineteenth Century British Novel (3 credits)
ENGL 5420. Twentieth Century British Literature (3 credits)
ENGL 5440. Twentieth Century British Novel (3 credits)
ENGL 5450. Colonial and Federal American Literature (3 credits)
ENGL 5500. Nineteenth Century American Poetry (3 credits)
ENGL 5550. Nineteenth Century American Fiction (3 credits)
ENGL 5600. Twentieth Century American Poetry (3 credits)
ENGL 5650. Twentieth Century American Fiction (3 credits)
ENGL 5670. Seminar in Folklore (3 credits)
ENGL 5680. Seminar in Linguistics (3 credits)
ENGL 5730. Seminar in British Literature (3 credits)
ENGL 5750. Seminar in American Literature (3 credits)
ENGL 5800. Seminar in Continental Literature (3 credits)
ENGL 5910. Independent Studies (1-3 credits)
ENGL 5920. Studies in English Education (3 credits)
ENGL 5935. Seminar in Professional Writing (3 credits)
ENGL 5940. Seminar in Creative Writing (3 credits)
ENGL 5950. Methods of Research (3 credits) (Required)
ENGL 5960. Thesis in English (3 credits) (Required)
ENGL 5990. Readings and Research (1-3 credits)
ENGL 5989. Cooperative Education (variable)

Technology

ENTC 1038. Honors Orientation Seminar (1 credit) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program. This course will fully orient the student to the College expectation for an honors student. Discussion and activities will relate to preparation for academic success and developing information technology skills.

ENTC 1110. Engineering Drawing (4 credits) — Technical communication including geometric construction, orthographic projection, auxiliary and section views, and pictorials with emphasis on sketching. Lecture and laboratory.

ENTC 1120. Manufacturing Processes and Specification (3 credits) — Prerequisite: ENTC 1110 or equivalent. The study of engineering manufacturing processes and development of engineering documentation with particular emphasis on size specification and information processes required in a modern manufacturing environment and the physical processes involved in the manufacture of goods. Lecture.

ENTC 1510. Student in University (3 credits) — This course is meant to provide guidance to first-year university students as they begin their search for directions to take in self-definition, intellectual growth, career choices, and life skills.
ENTC 1600. Introduction to Technology Education (3 credits) — A study of the technological processes central to communication, manufacturing, construction, transportation, and biotechnical systems. An analysis of the discipline of technology through its equipment, processes, products, problems, and the interrelationships of technological systems and our environment. Lecture and laboratory.

ENTC 1610. Woodworking Technology (3 credits) — Woodworking technology is an introductory-level course in woodworking and wood technology with a primary thrust on the development of both cognitive and manipulative aspects related to tools, materials, and processes found in modern wood-related industries. Stresses safety, construction techniques, and a study of allied occupations. Extensive laboratory experience will allow the student the opportunity to design and construct objects using wood and wood products. Lecture and laboratory.

ENTC 2038. Honors Professional Ethics (3 credits) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program and sophomore standing. A case-study approach to basic ethical issues likely to confront engineers, computer scientists, family and consumer scientists in their professional practices.

ENTC 2170. CAD (Computer Aided Design Drafting) (3 credits) — Co- or Prequisite: ENTC 1110 or drafting experience. An introduction to the principles of computer-aided design drafting.

ENTC 2200. Machine Tool Technology (4 credits) — Prerequisite: ENTC 1110 and MATH 1720. The use of metalworking machine tools and accessories including the mill, lathe, saw, drill press, and surface grinder with emphasis on safety. Precision measuring tools and hand tools. Machining characteristics of commonly machined metals. Cutting speeds and feed rates. Cutting tool types, geometry, and applications. Lecture and laboratory.

ENTC 2310. Electrical Principles (4 credits) — Prerequisite: MATH 1720. Introduction to electricity, DC circuits, power, DC meters, conductors, insulators, capacitance, magnetism, and electromagnetic induction. AC circuits, reactance, impedance, AC power, power factor, and resonance. Lecture and laboratory.

ENTC 2320. Electronics I (4 credits) — Prerequisite: ENTC 2310, MATH 1840. Devices, rectification, filters, voltage regulation, characteristic curves, graphical analysis of amplification, amplifier configurations, amplifier equivalent circuits, gain equations, static and dynamic load lines, and biasing. Lecture and laboratory.


ENTC 2420. Residential and Commercial Planning (4 credits) — Prerequisite: ENTC 2410. An outline study of architectural styles; the design of an original residential or commercial building developed through consideration of site conditions, space requirements, and adaptability of materials. Student will develop plans and a model. Lecture and laboratory.

ENTC 2440. Mechanical Systems (4 credits) — Prerequisite: ENTC 2410-2420, co-requisite: PHYS 2010/2011. A study of the terminology and methods associated with commercial HVAC (heating, ventilation, air conditioning, and cooling) and plumbing systems. Detailed exercises will be employed in the design of simple systems with emphasis on appropriate equipment types and sizes. Lecture and laboratory.

ENTC 2989-99. Cooperative Education (1-3-1-3 credits)

ENTC 3010. Statics and Strength of Materials (4 credits) — Prerequisite: MATH 1830 and PHYS 2010/2011. The study of forces and their effects on statically determinate structures including a study of shear, moment and thrust diagrams, stresses and combined stresses, and properties of materials. Lecture and Laboratory.

♦ ENTC 3020. Technology and Society (3 credits) — Prerequisite: ENGL 1020. How does technology impact society and one's daily life? Historical aspects of the development of technology beginning with Stone Age peoples through the Industrial Revolution, to modern concepts. An atmosphere where group discussions struggle with some of the dilemmas of modern life.

ENTC 3030. Technical Communication (3 credits) — Prerequisite: ENGL 1010 and 1020. A comprehensive study of technical and professional communication in written and oral form. Covers rhetoric in advertising and their application in a variety of types of business correspondence, reports, and technical/ scientific documents. Lecture and classroom exercises.

ENTC 3048. Honors Methods of Research (3 credits) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program. Analysis of the materials and methods of research appropriate to Applied Science and Technology.

ENTC 3170. Network Systems (4 credits) — Prerequisite: ENTC 2320. An introduction to Network Hardware. Both wire and wireless systems will be examined. Hardware for LAN, WAN systems will be examined.

ENTC 3230. Industrial Ceramics (3 credits) — Analysis of industrial ceramic industries, production methods, problems and processes in product design and application. Effect of state and shape of raw materials on manufacturing processes and final properties of product. Lecture and laboratory.

ENTC 3310. Engineering Materials and Testing (4 credits) — prerequisite: ENTC 2200 and CHEM 1110/1111. A study of modern engineering materials with emphasis on their chemical, physical, and mechanical properties. Experimental determination of structural and processing variables, service behavior, and industrial applications. Lecture and laboratory.

ENTC 3310. Circuit Analysis (3 credits) — Prerequisite: ENTC 2310 and MATH 1850. Loop equations and node voltage analysis, principles of phasors and complex numbers applied to alternating current circuits, superposition, Thévenin's and Norton's Theorems, solving circuit problems using the computer.

ENTC 3320. Electronics II (4 credits) — Prerequisites: ENTC 2320, 3310. Multistage amplifiers, coupling, frequency response, classes of amplification, power amplifiers, feedback amplifiers, sinusoidal oscillators, multivibrator circuits and operational amplifier circuits. Lecture and laboratory.

ENTC 3340. Electrical Machinery (3 credits) — Prerequisite: ENTC 2310. Motors, generators, alternators, motor controllers, three phase electrical systems, polyphase transformers, wattmeters. Lecture and laboratory.

ENTC 3350. Industrial Electronics (3 credits) — Prerequisite: ENTC 2320. SCR devices, silicon controlled rectifier circuits, relay circuits, timing circuits, photodiode devices, unijunction transistors, diacs, triacs, saturable core reactors, rectification of three phase, industrial controls, programmable logic controllers, and fiber optics.

ENTC 3370. Electronics-Digital Circuits (4 credits) — Prerequisite: One computer science course. Introduction to digital logic, binary numbers and codes, Boolean algebra, gating networks, flipflops, counters, registers, arithmetic circuits, code conversion, decoding, and memory circuits. Lecture and laboratory.

ENTC 3400. Construction Materials (4 credits) — Prerequisite: ENTC 2410 and PHYS 2010/2011. Study of materials used in highway and building construction including production and appropriate specifications and testing. Study includes design calculations and laboratory testing. Lecture and Laboratory.


ENTC 3420. Advanced Construction Estimating & Planning (4 credits) — Prerequisite: ENTC 3410. An advanced study of estimation techniques and procedures associated with commercial construction. Included is an analysis of costs developed from complicated construction systems resulting in the preparation of bid proposals. Emphasis will be placed on network planning, particularly project scheduling and detailed quantity take-off methods of estimating using commercially available computer software. Lecture and laboratory.

ENTC 3430. Materials & Methods I (4 credits) — Prerequisite: ENTC 3010 and ENTC 2410. Methods, materials, and equipment required in the commercial construction areas of foundations, formwork, concrete, and masonry. Study will include design calculations and laboratory testing. Lecture and laboratory.

ENTC 3440. Materials & Methods II (3 credits) — Prerequisite: ENTC 3430. Methods, materials, and equipment required in the commercial construction areas of structural steel, heavy timber, roofing systems, building-related plastics, finishes, and specialties. Study will include sizing calculations where appropriate. Lecture.

ENTC 3600. Manufacturing Technology (3 credits) — Prerequisite: ENTC 2200. This course has as its primary emphasis the study of the management and production aspects of manufacturing. Students will have the opportunity to learn mass production principles and methods, including the use of computers and robotics. Laboratory experiences will revolve around the design, planning, and mass production of an item.
ENTC 3610. Construction Technology (3 credits) — A course designed to develop an individual’s knowledge and understanding of the concepts, principles, practices, and problems found in the modern construction industry. Laboratory experiences involve activities in planning, use of tools, machines, and materials; computer applications; and construction practices as they relate to construction production. Lecture and laboratory.

ENTC 3620. Thermal and Fluid Technologies (4 credits) — Prerequisite: MATH 1840 and PHYS 2010/2011. A study of the fundamentals of heat transfer and fluid flow. Topics include modes of heat transfer and material characteristics, hydraulics and fluid systems. Students will choose concluding topics of either hydrology or hydraulic control systems and pneumatics. Laboratory use of personal computers in data acquisition, experiment control, and report writing. Lecture and lab.

ENTC 3650. Applied Electricity and Electronics (4 credits) — Practical application of commercial house wiring and electrical code. Electrical machines and controls, electronic devices. Geared for construction technology and technology education students only or permission of instructor.

ENTC 3660. Communication Systems Technology (3 credits) — Prerequisite: ENTC 1110 or permission of the instructor. A study of the basic principles of communication technology and communication systems. The primary focus is on the examination and operation of technical devices that aid human communication and the impact these devices and systems have upon society. Students will participate in a variety of classroom activities and laboratory exercises.

ENTC 3670. Energy/Power/Transportation (3 credits) — Prerequisite: ENTC 1110 and 1600 or permission of the instructor. This course focuses on the design and operating principles involved with the conversion, transmission, control, and use of power and energy. The course also explores the development and significance of energy and power and transportation systems. Lecture and laboratory.

ENTC 3680. Polymers and Composites (3 credits) — Prerequisite: ENTC 1120 and CHEM 1110/1111. A study of the polymer and composites industries to include products and manufacturing processes. Thermoplastic and thermosetting class studies, injection molding, vacuum forming and other subjects are explored. Lecture and laboratory.

ENTC 3710. Manual Numerical Control Programming (3 credits) — Prerequisite: ENTC 1110 and 2200. A study of the capabilities, programming procedures, advantages, and disadvantages of numerical control (N/C) and computerized numerical control (CNC) metalworking machine tools. Manual methods for generating, debugging, and running point-to-point and continuous path programs including linear and circular interpolation, canned cycles, loops, and subroutines to produce workpieces of increasing complexity. Lecture and laboratory.

ENTC 3899-99. Cooperative Education (1-3, 1-3 credits) — Prerequisite: ENTC 4017/5017. Industrial Supervision (3 credits) — Behavioral studies related to supervision. Supervisory functions, motivation, interviewing, and personal advancement. Lecture, case studies, discussions, and reports.

ENTC 4018. Honors Thesis (3 credits) — Prerequisite: Satisfactory completion of all college honors classes and advisor approval. This thesis is a capstone academic experience bringing into focus the result of the student’s learning and career interest.

ENTC 4048. Honors International Study (3 credits) — Prerequisite: Satisfactory completion of all CAST Honors courses or college honors committee approval. This course will consist of a two-week international study and cultural experience in addition to a pre-trip orientation.


ENTC 4047/5047. Quality Assurance II (3 credits) — Prerequisite: ENTC 4037. Special process control charting defect, moving average and Cusum charts. Sequential sampling and lot by lot acceptance for variables (ANSI/ASQC Z1.9). Reliability testing, failure rate of a population, bathtub curve, and series/parallel reliability modeling for reliability. Lecture.

ENTC 4060. Project Scheduling (3 credits) — Prerequisite: Instructor approval. A detailed study in planning, organizing, and controlling projects. Computer software is used to schedule projects. Emphasis is placed on time, resources, and capital considerations for the project. Lecture, team exercises, extensive laboratory, and presentations.

ENTC 4217/5217. Tool Design (4 credits) — Prerequisite: ENTC 2200 and 2170. A study of the design concepts for industrial tooling including stamping dies and molds. Materials selection, heat treatment specifications, off-the-shelf tooling components, and make/buy decisions. Utilization of CAD/CAM facilities to execute designs. Lecture and laboratory.

ENTC 4227/5227. Engineering Economy (3 credits) — Prerequisite: MATH 1720 or permission of the instructor. An economic study of manufacturing amortization, cash flow, rates of return, depreciation, and present worth analyses. Lecture.

ENTC 4237/5237. Ergonomics and Process Optimization (4 credits) — Prerequisite: MATH 1720 and 1530. A study of methods used to improve production, set time standards, and analyze productivity. Lecture and laboratory.

ENTC 4247/5247. Industrial Operations Analysis (3 credits) — Prerequisite: ENTC 2200 and the MATH 1040/1060/1070/1080 sequence. Deterministic models including linear programming, quality, transportation, network analysis, game theory, and inventory theory. For a second course see MATH 4957. Lecture.

ENTC 4257/5257. Plant Layout & Materials Handling (3 credits) — Prerequisite: ENTC 1120 and ENTC 2200. Principles of plant layout, process and flow charts, machine location, auxiliary services, safety, and personnel organization. Materials handling methods and case studies emphasized. Lecture.

ENTC 4267/5267. Physical Metallurgy (3 credits) — Prerequisite: ENTC 3240 or permission of instructor. Relationships of structural and processing variables to that of microstructure, properties, and service behavior of metals and alloys. Emphasis on the theory of heat treating relative to the physical and mechanical characteristics of both ferrous and nonferrous metals and alloys. Lecture and laboratory.

ENTC 4277/5277. Instrumentation and Process Control (4 credits) — Prerequisite: ENTC 2310. Principles of measurement and control used in the manufacturing process industries. Theory and laboratory experience pertaining to modern instrumentation; pressure, temperature, liquid level, flow, and automatic controls including PLCs and microcomputers. Lecture and laboratory.

ENTC 4287/5287. Introduction to Robotics (3 credits) — Prerequisite: CSCI 2100 or permission of instructor. Theory, fundamental concepts, and applications of robotics and computer-aided manufacturing. History, robot elements and types, actuators and manipulators, programmable systems, vision systems, safety, robotic work cells, applications, and economic analysis. Lecture and laboratory.

ENTC 4310. Electronics-Communications (4 credits) — Prerequisite: ENTC 3330. RF transmitting and receiving circuits, amplitude and frequency modulation and detection, phase modulation, antennas and RF transmission lines, multiplexing, television transmission, and reception. Lecture and laboratory.

ENTC 4337/5337. Microprocessors (4 credits) — Prerequisite: ENTC 3370. Introduction to microprocessors. Instruction is developed around a microprocessor trainer. Topics include assembly language programming, examples of hardware/software tradeoffs, interrupt system, alternative approaches to input/output and timing, the use of programmable LSI devices, and how microcomputers can communicate with external systems. Lecture and laboratory.

ENTC 4347/5347. Digital Signal Processors (4 credits) — Prerequisite: ENTC 4337. A continuation of ENTC 4337. Instruction is developed around a microprocessor single board computer. Topics include review of microprocessor hardware and instruction set, arithmetic operations, serial data communications, interfacing analog devices, using interval timers, stepper motor control, and an introduction to trouble-shooting. Lecture and laboratory.

ENTC 4350. Biomedical Instrumentation I (4 credits) — Prerequisite: HSCI 2020-2021, PUBH 2750, ENTC 3320. A first course in biomedical instrumentation. Content includes hospital equipment safety, biopotentials, electrodes and transducers, the principles of electrocardiographs, pacemakers, defibrillators, IV pumps, catheters and ventilators. Also, information flow, medical indications and complications, the patient-machine interface, how to teach others to use the equipment. Laboratory experiments on medical circuits will be studied or performed.

ENTC 4357/5357. CIM Applications (3 credits) — Prerequisite: Junior standing. An interdisciplinary course concerned with the concepts of business, computers, and manufacturing designed to explore the integration of these dynamic disciplines in the development of the Computer-Integrated Enterprise. Field trips and demonstrations will be used to support the lectures.
ENTC 4360. BMET Internship I (2 credits) — Prerequisite: HSCI 2020-2021, PUBH 2750, ENTC 3320. Co-requisite: ENTC 4350. The student will be assigned to a selected regional hospital for eight credits per week after the fourth week of classes, and then for 40 hr/week for three weeks after the semester ends. The student will work under the supervision of a senior BMET or clinical engineer. Assignments will include PM, calibration, trouble-shooting and repair, and management of equipment taught in ENTC 4350. The student will be required to pass a pre-employment physical examination and have liability insurance before being assigned to internship.

ENTC 4370. BMET Instrumentation II (4 credits) — Prerequisite: ENTC 4350. A second course in biomedical instrumentation. Content includes biomedical equipment analysis, clinical lab equipment, ultrasonics, lasers, surgical equipment and troubleshooting of medical equipment.

ENTC 4380. BMET Internship II (2 credits) — Prerequisite: ENTC 4350, ENTC 4360. Co-requisite: ENTC 4370. The student will be assigned to a regional hospital for eight credits per week for 15 weeks. The student will work under the supervision of a senior BMET or clinical engineer. Assignments will include hands-on repair, PM and calibration of and management of hospital equipment studied in ENTC 4370. The student may be required to pass a pre-employment physical exam and acquire liability insurance before being assigned to an internship.

ENTC 4390. Medical Imaging Equipment Technology (3 credits) — Prerequisite: ENTC 3320. Medical diagnostic equipment, including x-ray, ultrasonic equipment, ultrasonics, nuclear imaging, magnetic resonance imaging (MRI) and Position Emission Scanner will be discussed. Medical image processing based on Fourier Analysis will be developed. Emphasis is on physical principles, information flow, patient interface, indications and hazards.

ENTC 4417/5417. Construction Financing & Administration (3 credits) — Prerequisites: ENTC 2410, 2420, CSCI 1010. A detailed study of the methods of financing construction projects as well as the construction company. Included are a discussion of interest rates, bonds, insurance, amortization, and depreciation. Lecture.

ENTC 4600. Technical Practicum (4 credits) — Prerequisites: Senior standing, ENTC 3030, and at least 24 credits in a technology concentration. A senior-level capstone course in advanced problem solving by organized team methods. Requires the student to synthesize and apply subject matter studies in previous required courses. For example, in manufacturing, students will draw upon their knowledge of product design and manufacturing methods to solve a complex problem. Units of instruction will include project planning (GANTT and PERT), human factors, design aesthetics, systems methods, and group dynamics. Major requirements include a team presentation and a comprehensive technical report. Lecture and Laboratory.

ENTC 4617/5617. Vocational Guidance (3 credits) — An orientation to the value and use of vocational guidance for vocational education. The roles of people as well as the tools for guidance will be studied along with determining ways and means of providing current career information to students. Meeting the needs of the disabled and disadvantaged in vocational classes will be explored.

ENTC 4637/5637. Evaluation in Industrial Education (3 credits) — Fundamental concepts and terminology of the testing movement. Classification, characteristics, and use of tests in industrial education. Construction of informal tests, use of standardized tests, and interpretation of test results are covered. Also, the use of advisory committees in the evaluation of industrial education courses and programs.

ENTC 4647. Job Analysis and Curriculum Organization (3 credits) — An introduction to the systematic and orderly processes of identifying and organizing instructional materials. Experience in writing job descriptions, preparing and performing analysis, and sequencing selected course content. Also, curriculum development coordination and integration of courses and programs, and curriculum trends. Development of teaching materials appropriate in teaching a specified course.

ENTC 4717. Computer-Assisted Numerical Control Programming (3 credits) — Prerequisite: ENTC 3710. A study of computerized methods for generating numerical control (N/C) programs utilizing (1) tool path definition software applicable to CAD/CAM systems and data bases and (2) N/C programming languages including APT and COMPACT II. Source program structure including initialization, geometry definition, and cutter path definition statements. Links and post processors. Syntax conventions. Writing, running, and debugging source programs to generate list/cutter location files and tape files. Lecture and laboratory.

ENTC 4747. Instructional Management in Industrial Education (3 credits) — The processes involved in developing a physical learning environment for teaching laboratory courses. Utilizing the teacher and the advisory committee in layout of facilities that reflect efficiency of use, safe working conditions, and industrial orientation. The same criteria will be applied in identifying co-op training stations in the community.

ENTC 4767/5767. Coordinating of Student Clubs and Leadership (3 credits) — Coordination of formal student groups such as VICA and TSA. A study of the management, operation, and planning of these organizations. Leadership activities and exercises.

ENTC 4777/5777. Safety Management (3 credits) — Prerequisite: PSYC 1310. Junior standing or permission of instructor. A study of the methods of planning, organizing, and controlling a safety program. The study will include: the safety problem, accident causation, motivational and marketing methods of safety, safety training and leadership, and a study of OSHA and TOSHA practices and procedures.

ENTC 4787/5787. Methods of Teaching Vocational/Technology Education (3 credits) — Prerequisite: Upper-division standing or permission of instructor, and admission to Teacher Education; for students seeking teaching certification in the applied sciences and technology. Introduction to basic instructional processes appropriate for vocational/technology education. Criteria for selecting instructional method. Emphasis on establishing measurable goals and objectives as well as individualized instruction. Types and utilization of instructional technology materials.

ENTC 4900. Independent Study in Technology (1-6 credits) — Prerequisite: Minimum of nine credits in the subject area and approval of the instructor who will supervise the study. An industrial problem by arrangement with a faculty member. An independent study plan. Technical report plus laboratory experiences required.

ENTC 4957/5957. Special Topics in Technology (2-6 credits) — Special topics of current interest to groups of students concerning content not presented in regular course offerings. May be repeated for credit if material covered is significantly different or advanced.

ENTC 4989-99. Cooperative Education (1-3, 1-3 credits)

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.
Environmental Health

ENHV

Note: Students should take courses in the sequence listed.

ENHV 1800. Human Ecology and Environmental Education (3 credits) — Gives the student an understanding and appreciation of peoples' relationships to their environment and the consequences of manipulation, alteration, and pollution of their natural habitat. Environmental education as a means of environmental improvement is emphasized.

ENHV 2989. Cooperative Education (1-3 credits)

ENHV 3040. Environmental Sanitation (3 credits) — Not for environmental health majors. Deals with problems of general sanitation, water supply, disposal of excreta, insect and rodent control, sanitary control of milk, shellfish, and other foods, school and camp sanitation, and inspection services. Consideration given current problems in housing, heating, ventilation, and lighting.

ENHV 3100. Water Supplies and Wastewater Treatment (3 credits) — An introduction to water and wastewater treatment, municipal, semiprivate, and individual systems. Reviews sources, chemical and bacteriological quality, and water pollution.

ENHV 3400. Introduction to Air Pollution (3 credits) — A study of the causes, effects, and control of air pollution. Emphasis is placed on ways individuals, communities, metropolitan areas, and industry can prevent or control pollution.

ENHV 3500. Environmental Safety (3 credits) — Considers the principles and practices of environmental health and safety in natural bathing places, swimming pools, camp sites, day nurseries, parks, schools, colleges, and industry.

ENHV 3700. Solid Waste Management (3 credits) — An investigation of the problems and solutions to the generation, storage, collection, and disposal of solid wastes, including aspects of vector control. Includes the management aspects of planning, organizing, designing, and operating refuse collection and disposal systems.

ENHV 3888. Honors Research Orientation (1 credit) — Prerequisite: Admitted to ENVH Honors Program. An honors course introducing the principles, designs, methods, materials, and tools of research used in environmental health sciences. Students will identify and initiate a research project appropriate for the Honors Thesis.

ENHV 3898-99. Cooperative Education (3 credits), may substitute for ENHV 4080.

ENHV 4000. Public Health Law (3 credits) — An introduction to Public Health Law, including a study of the legal powers available for implementing local laws; an analysis of the legal relationship of an environmentalist to the government, the staff, and the public. Not required of international students.

ENHV 4018. Honors Thesis Research (1-3 credits) — Prerequisite: Environmental Health Program Honor Program. Conducts Honors research and completes the thesis. Variable credit (1-3) course, repeatable up to 6 credits.

ENHV 4080. Environmental Health Practice (3 credits) — Prerequisite: Open to environmental health majors only. Field experience in environmental health.

ENHV 4100. Shelter Environments (3 credits) — A course covering the principles of healthful housing and environment control of mobile homes, jails, motels, and hotels.

ENHV 4207/5207. Principles of Radiological Health (3 credits) — Prerequisite: CHEM 1110/1111 or permission of instructor. The basic principles and procedures pertaining to the safe control of all common sources of ionizing radiation and the causes, effects, and control of radiation are included. The laboratory experiments include safety monitoring, radiation detection, and the use of survey meters.

ENHV 4340. Occupational Health (3 credits) — Prerequisite: CHEM 1110/1111 or permission of instructor. Familiarizes the student with health problems encountered in industry and various occupations. The causes of occupational diseases and ways to prevent the diseases are emphasized. Introduction to types of radiation, with emphasis on controlling the amount of radiation a person receives.

ENHV 4347/5347. Ergonomics (3 credits) — A study of human factors engineering concerning people, their work, and the work environment. Includes a discussion of the ergonomics approach to the work environment, including sensory and motor control, workplace design, heat stress, noise, vibrations, illumination, the measurement of work, anthropometric data, and related topics.

ENHV 4357/5357. Toxicology (3 credits) — Prerequisite: CHEM 2010/2011 and HSCI 3320 or permission of instructor. A study of the essentials of toxicology, including toxicity determinations and measurements, and biologic factors important in understanding toxicity. A review of toxic substances in air, water, foods, and the workplace with a consideration of exposure limits, their rationale and evaluation methods.

ENHV 4360. Industrial Hygiene Laboratory (4 credits) — Evaluation of chemical and physical hazards in industrial work places. Potential hazards include noise, glare, heat, dust, solvents, radiation, etc.

ENHV 4378/5378. Biological Analysis in Environmental Health (4 credits) — Prerequisite: A course in general microbiology HSCI 3320/3321 or HSCI 3330/3331 and permission of the instructor. Principles of microbiology with emphasis on growth requirements and the effects of chemical and physical agents as used for control, principles of aquatic toxicology. Instrumentation used in qualitative and quantitative analysis of the biological environment.

ENHV 4397/5397. Environmental Analysis (4 credits) — Prerequisite: Seniors only. CHEM 1110/1111 and 1120/1121 and permission of the instructor. Provides training in physical and chemical analysis of water, wastewater, food, air, and toxic materials, principles of applied toxicology. Experience in the use of chemical instruments, as well as field test kits, will be obtained.

ENHV 4400. Environmental Health Program Planning and Administration (3 credits) — Prerequisite: ENVH 3000, 3400, 3700 or permission of the instructor. A study in how to administer, plan, and evaluate environmental health programs. The availability of resources and the relationship with other health agencies are given.

ENHV 4607/5607. Food Sanitation Principles (3 credits) — Prerequisite: General microbiology, HSCI 3320/3321 or HSCI 3330/3331. A study of food composition, engineering principles, processing and preservation methods, food-borne diseases, and food regulatory programs.

ENHV 4710. Introduction to Hazardous Waste (3 credits) — Consider hazardous waste in its various forms; solid, liquid, and gaseous. Topics covered include generation, storage, transport, and disposal of the waste.

ENHV 4727/5727. Hazardous Waste Operations and Emergency Response (3 credits) — The objectives of the course include giving the student basic concepts and techniques for appropriate behavior before, during, and after a hazardous materials incident. The course meets requirements to obtain 40-hour HAZWOPER certification. Three lecture hours per week.

ENHV 4888. Honors Seminar (1 credit) — Prerequisite: Admitted to ENVH Honors Program. Students will orally present the results of their honors thesis research. Credit can be earned by presenting the research results at a professional meeting.

ENHV 4905. Independent Studies in Environmental Health (1-4 credits)

ENHV 4957/5957. Special Studies in Environmental Health (1-4 credits)

ENHV 4989-99. Cooperative Education (1-3 credits)

Students will complete three credits of lecture and one credit of lab per week.

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

ENHV 5100. Environmental Health Practice I (3 credits)

ENHV 5200. Environmental Chemistry (4 credits)

ENHV 5250. Environmental Microbiology (4 credits)

ENHV 5500. Air Pollution Principles (3 credits)

ENHV 5600. Water Pollution Principles (3 credits)

ENHV 5610. Water Pollution Control (3 credits)

ENHV 5640. Environmental Risk Assessment (4 credits)

ENHV 5700. Industrial Hygiene and Safety (3 credits)

ENHV 5760. Industrial Ventilation (3 credits)

ENHV 5780. Characteristics of Hazardous Materials (3 credits)

ENHV 5840. Solid Waste Management (3 credits)

ENHV 5841. Hazardous Waste Management (3 credits)

ENHV 5860. Environmental Health Administration (3 credits)

ENHV 5870. Public Health Law (3 credits)

ENHV 5871. Hazardous Materials Laws and Regulations (3 credits)

ENHV 5890. Environmental Planning (3 credits)

ENHV 5900. Independent Study (1-3 credits)

ENHV 5910. Seminar (1 credit)

ENHV 5960. Research and Thesis (1-4 credits)

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Family/Community Nursing

FCNU 4500. Women’s Health Issues (3 credits) — Prerequisite: Senior status or honor’s status. This course addresses the historical perspective and current status of women’s health; special concerns related to women’s health; and the economical, political, and cultural factors which impact women’s health. Strategies for optimal health throughout the lifespan are presented. (Elective)

FCNU 4507/5507. Social Concerns and Women’s Health (3 credits) — This course addresses the historical perspectives and current status of women’s health, special concerns related to women’s health and the economic, political, and cultural factors which impact women’s health.

FCNU 4807/5807. Global Health Issues (3 credits) — Prerequisite: Health Science Division major or permission of instructor. This course is designed for both health science division students and health care providers interested in increasing their understanding of international and cross-cultural health. The course focuses on issues and skills that will enhance the practice of health science personnel, especially those intending to apply their skills in settings outside the USA. (Elective)

FCNU 4900. Nursing Independent Study. (1-3 credits)

FCNU 4907/5907. International Primary Health Care Practicum (3 credits) — Prerequisite FCNU 4807/5807 Global Health Issues or the equivalent. Undergraduate nursing students must have completed junior-level nursing courses or obtain permission of instructor. This course is designed for participants to directly experience cross-cultural and international health care in order to increase their health care delivery skills and understanding of other health care systems. Students will travel and live in the context of the host culture. All travel-related costs are met by the participating student. (Elective)

FCNU 4907/5957. Special Topics in Nursing (1-6 credits) — Prerequisite: Permission of the instructor. Special topics related to nursing and health care will be presented. Course may include didactic and experiential methods of instruction. May be repeated for credit if course content is significantly different or advanced.

FCNU/ALNU/PMNU 4989. Cooperative Education in Nursing (3 credits) — Prerequisite: Permission of department chair. This course, with 1-3 credits as arranged, allows the student to spend time in a career-related work experience. Formal agreements are established by the university and the employer to help students accomplish specific educational outcomes. (Elective)

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

FCNU 5020. Family Systems (2 credits)

FCNU 5021. Life Span Assessment & Clinical Management: Women’s Health (2 credits)

FCNU 5022. Life Span Assessment & Clinical Management: Women’s Health Practicum (3 credits)

FCNU 5023. Life Span Assessment & Clinical Management: Children and Adolescents (2 credits)

FCNU 5024. Life Span Assessment & Clinical Management: Children and Adolescents Practicum (3 credits)

FCNU 5900 Independent Study (1-3 credits)

FCNU 5950. Internship in Advanced Nursing Practice (4 credits)

FCNU 5960 Thesis (1-6 credits)

FCNU 5990 Readings and Research (1-3 credits)

FCNU 6014 Measurement of Clinical Outcomes (3 credits)

FCNU 6016 Collaborative Approaches to Practice (3 credits)

FCNU 6030 Quantitative Methods in Nursing Research (3 credits)

FCNU 6960 Doctoral Dissertation (1-12 credits)

FCNU 6990 Readings in Research (1-3 credits)

Finance

FNCE

NOTE: All students enrolling in 3000- and 4000-level (upper division) College of Business courses must have junior or senior standing.

FNCE 2220. Personal Finance (3 credits) — THIS COURSE IS NOT OPEN TO SENIORS MAJORING IN THE COLLEGE OF BUSINESS. A consumer-oriented introduction to finance. Budget priorities, credit, interest rates, insurance, investments, housing, and estate planning are all treated in a straightforward manner.

FNCE 3120. Principles of Real Estate (3 credits) — Prerequisite: ECON 2210 and 2220 or consent of instructor. A study concerning economic, social, financial, and legal problems involved in acquiring, holding, and disposing of real estate.
FNCE 3130. Real Estate Law (3 credits) — Prerequisite: FNCE 3120. A study of property rights and liabilities, real estate instruments, estates, leases, and liens. The approach is from the businessperson’s viewpoint.

FNCE 3220. Business Finance (3 credits) — Prerequisite: ACCT 2110. Emphasis upon the decision-making tools used in financial management including ratio analysis, operating and financial leverage, interest factors, capital budgeting, valuation, cost of capital, and dividend policy.

FNCE 3300. Principles of Investment (3 credits) — Prerequisite: FNCE 3220. Stock, bond, and option markets; mutual funds; the stock brokerage business; investment advisory services; introduction to the basics of investment decision making.

FNCE 3500. Capital Budgeting (3 credits) — Prerequisite: FNCE 3220 and a declared major. An advanced course in financial management emphasizing capital asset selection under conditions of risk.

FNCE 3600. International Financial Markets (3 credits) — Prerequisite: FNCE 3220. This course covers topics such as an overview of international monetary systems; market structure and institutions; international parity conditions; foreign exchange rate determination and forecasting; foreign exchange market efficiency; eurocurrency and eurobond markets; currency and interest future, options, and swaps; regulation and intervention.

FNCE 4018. Senior Honors Seminar (3 credits) — Prerequisite: ECON 3088 and admission to the College of Business Honors Program. A seminar for College of Business honors students who are working on senior honors theses or other approved projects. Upon successful completion of the course, students will have demonstrated the ability to complete the research process by creating a written product suitable for submission to the College of Business faculty.

FNCE 4320. Real Estate Appraisals (3 credits) — Prerequisite: FNCE 3120 or consent of instructor. A study of the fundamentals of appraising various properties and of the three major approaches to finding value: cost, income, and market.

FNCE 4330. Real Estate Finance (3 credits) — Prerequisite: FNCE 3120 or FNCE 3220. A study of the various sources of funds for financing real estate transactions, and of problems encountered in financing real estate.

FNCE 4340. Real Estate Brokerage (3 credits) — Prerequisite: FNCE 3120, FNCE 3220 or consent of instructor. A study of agency operations, including listing, prospecting, advertising, showing property, and closing transactions.

FNCE 4350. Real Estate Management (3 credits) — Prerequisite: FNCE 3120 or consent of instructor. A basic course dealing with the functions, qualifications, and responsibilities of the property manager. The nature and kinds of property with which the manager might be involved are discussed.

FNCE 4360. Real Estate Appraisal Problems (3 credits) — Prerequisite: FNCE 4320. A course designed to study appraisal problems in actual field situations as well as in the classroom.

FNCE 4447/5447. Banking and Financial Intermediation (3 credits) — Prerequisite: FNCE 3220 and ECON 3310. The workings of financial markets and institutions with special reference to banking.

FNCE 4500. Credit Management (3 credits) — Prerequisite: FNCE 3220. The nature and importance of credit. An analysis of principles underlying the extension of credit and the management of credit operations.

FNCE 4520. Bank Policy (3 credits) — Prerequisite: FNCE 4447. A course in bank management. Emphasis will be placed on key financial concepts and their application in financial management decisions. Use of case problems.

FNCE 4560. Portfolio Theory and Valuation (3 credits) — Prerequisite: FNCE 3300. Selection and valuation of portfolios of securities.

FNCE 4579/5579. International Financial Management (3 credits) — Prerequisite: FNCE 3300 and 3500. Financial problems of multinational corporations including the theory of capital movements, foreign exchange markets, concepts of the balance of payments mechanisms, trade policy, and the functioning of the international monetary systems.

FNCE 4617/5617. Applied Portfolio Management (3 credits) — Prerequisite: FNCE 3300, 3500, 4560. This course provides a solid practical foundation in Investment and Portfolio Management through the management of a portfolio of funds provided by the Tennessee Valley Authority (TVA).

FNCE 4620. Financial Analysis and Policy (3 credits) — Prerequisite: FNCE 3300, 3500, and senior standing. An integrative course designed to provide insight and experience in problem solving in finance. The course utilizes cases and computer applications. This is the capstone course for all finance majors.

FNCE 4697/5697. International Investments (3 credits) — Prerequisites: FNCE 3220 and 3300 or permission of the instructor. To immerse you in the world of international investments. Advanced course designed to equip students with the theoretical background, quantitative skills, and practical tools required to be successful managers in the field of international investments. Topics will include a review of parity conditions; foreign exchange rate forecasting; benefits of international diversification; international asset pricing; international equity markets, instruments, concepts, and techniques; emerging stock markets; futures, options, international performance analysis; structuring the international process.

FNCE 4900. Independent Study in Finance (1-3 credits) — A course designed for advanced students who, under the director of a finance faculty member, wish to engage in independent research or an intensive study of subjects not covered in other available courses. Prior departmental and college approval is needed.

FNCE 4905. Banking Internship (3 credits) — Prerequisite: Must have completed a minimum of six semester credits at the upper-division level in the student’s major, junior or senior standing, and a grade point average of 2.7 or above. Students are selected through a competitive process for assignments in approved financial institutions as interns under the supervision of the internship coordinator and field placement supervisors. Students may not earn more than three semester credits for this course which can be used as a free elective or an elective within a business major with prior approval by the chair.

FNCE 4906. Finance Internship (3 credits) — Prerequisite: Must have completed a minimum of six semester credits at the upper-division level in the student’s major, junior or senior standing and a GPA of 2.7 or above. Students are selected through a competitive process for assignments in approved business or public-sector organizations as interns under the supervision of the internship coordinator and field placement supervisors. Students may not earn more than three semester credits for this course which can be used as a free elective or an elective within a business major with prior approval by the chair.

FNCE 4957/5957. Topics in Finance (3 credits) — Prerequisite: Senior. This course gives students an opportunity to study special problems and new developments in the field of finance.

Finance Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

FNCE 5000. Essentials of Finance (3 credits)
FNCE 5490. Security Analysis and Portfolio Management (3 credits)
FNCE 5600. Case Study in Banking (3 credits)
FNCE 5900. Independent Study in Finance (1-3 credits)

French

FREN 1010-20. Beginning French (3, 3 credits) — Introduction to the French language and to the culture, geography, and history of French-speaking countries.

FREN 2010-20. Second-Year French (3, 3 credits) — Continuation of first year, with an introduction to French literature.

FREN 3010-3110. French Conversation and Composition (3, 3 credits) — Practice in conversation, with emphasis on idioms, syntax, and current expressions. Study of grammar through compositions.

FREN 3210. Readings in French (3 credits) — A study of techniques and strategies to improve reading skills in French.

FREN 3310. French Civilization (3 credits) — Geography, history, and culture of France.

FREN 3510. Survey of French Literature Before 1700 (3 credits) — Study of major French authors from the Middle Ages through 1700.

FREN 3610. Survey of French Literature After 1700 (3 credits) — Works of major French authors from the 18th century through the present.

FREN 4017/5017. Advanced French Grammar (3 credits) — Prerequisite: FREN 2020 or permission of instructor. This course focuses on an in-depth review of troublesome aspects of French grammar complemented by contextual analyses drawn from cultural and/or literary readings selections.

FREN 4117/5117. French Drama from 1600 to the Present (3 credits) — Selected plays from major French dramatists from 1600 to the present.

FREN 4217/5217. Sixteenth Century French Literature (3 credits) — Selected works by the principal 16th century writers and poets of the Renaissance.
GEOG 4018. Honors Thesis (3 credits) — Prerequisite: Satisfactory completion of all college honors classes and advisor approval. This thesis is a capstone academic experience bringing into focus the result of the student’s learning and career interest.

GEOG 4048. Honors International Study (3 credits) — Prerequisite: Satisfactory completion of all College of Applied Science and Technology Honors courses or college honors committee approval. This course will consist of a two-week international study and cultural experience in addition to a pre-tour orientation.

GEOG 4077/5077. Seminar in Geography of Southern Appalachia (3 credits) — A seminar in the use of geographic methodology in the study of regional Appalachian issues.

GEOG/URBS 4107/5107. Urban Geography and Planning (3 credits) — A geographical analysis of cities and urban regions. Urban growth patterns, location and interaction analysis, planning for urban regions and travel behavior are emphasized.

GEOG 4117/5117. Resource Management (3 credits) — The study of cultural attitudes, conceptual approaches, and evaluation techniques in resource management. Analysis of selected resource issues at various areal scales.

GEOG 4217/5217. Geographic Information Systems (3 credits) — Prerequisite: GEOG 3210 or permission of instructor. The field of GIS is relatively new and expanding and is concerned with techniques and theory of cartographic and spatial data rectification and enhancement, and spatial information extraction.

GEOG 4237/5237. Advanced Remote Sensing (3 credits) — Prerequisite: GEOG 3210 or permission of instructor. A systematic treatment of elements involved in interpreting, measuring, and mapping of images that appear on aerial photographs.

GEOG 4237/5237. Advanced Remote Sensing (3 credits) — Prerequisite: GEOG 3210 or permission of instructor. A study of different types of remotely sensed images and their interpretation.
GEOL 4257/5257. Geography of Soils (3 credits) — An introduction to soil science. Particular attention is focused on soil morphology, soil classification, and the study of distributional patterns of soils and their relationships to other geographical elements.

GEOL 4267/5267. Hydrology (4 credits) — The study of water as it occurs in all phases of the hydrologic cycle and the analysis of currently developing water problems on the local, regional, and national level.

GEOG 4307/5307. Regional Geography (3 credits) — Under this cover title, individual courses will be offered in such areas as Europe, Latin America, Asia, Soviet Union, and Africa. Course may be repeated as subject matter changes.

GEOL 4317/5317. Advanced Geographic Information Systems (3 credits) — A critical examination of the contemporary issues involved with Geographic Information Systems and digital spatial data. One-half of the course content will be dedicated to practical training on the sophisticated vector-based GIS software called Arc/Info. A hands-on understanding of the nature and functionality of this software will be acquired within a workstation computer environment.

GEOL 4417/5417. The Teaching of Geography & Earth Science (3 credits) — A course in methods and materials for teaching geography in grades seven-12, which will include teaching experiences in an area school. This course earns education credit only and does not meet requirements for a major or minor in geography.

GEOL 4807/5807. Advanced Field Methods in Geography (3 credits) — A study of methods of measuring, recording, and synthesizing field data in geography.

GEOL 4907/5907. Independent Studies (1-3 credits) — Prerequisite: Permission of department chair is required.

GEOG 4957/5957. Topics in Geoscience (1-6 credits) — Prerequisite: Dependent on subject matter. Selected topics of current interest in geography. Offered upon sufficient demand for specific subject matter. May be repeated for different topics. Consultation with the instructor is recommended before enrollment.

GEOL 4989-99. Cooperative Education (1-3, 1-3 credits) — Prerequisite: For descriptions and prerequisites see the Graduate Catalog.

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<th>Course Code</th>
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<th>Credits</th>
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<td>GEOL 5000</td>
<td>Quantitative Techniques</td>
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<td>GEOL 5010</td>
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<td>GEOL 5110</td>
<td>Seminar in Physical Geography</td>
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<tr>
<td>GEOL 5130</td>
<td>Seminar in Urban Geography and Planning</td>
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<tr>
<td>GEOL 5140</td>
<td>Seminar in Regional Geography</td>
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<td>GEOL 5210</td>
<td>Geography of Settlement and Land Use</td>
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<td>GEOL 5310</td>
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<td>GEOL 5501</td>
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<td>GEOL 5960</td>
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<td>GEOL 5989</td>
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<tr>
<td>GEOL 5999</td>
<td>Cooperative Education</td>
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**Geology**

♦ GEOL 1040. Physical Geology (4 credits) — A study of the earth and earth processes including mountains, rivers, ocean basins, glaciers, volcanoes, earthquakes, and plate boundaries with an introduction to rocks and minerals. Three credits lecture and two laboratory periods per week.

♦ GEOL 1050. Historical Geology (4 credits) — A survey of the earth's history, physical and biological, as revealed by rock formations and the fossil record. Three credits lecture and two laboratory periods per week.

GEOL 2480. Geology Field Methods (4 credits) — Prerequisite: GEOL 1040, 1002, 5580, or permission of instructor. An introduction to the methods of measurement, sampling techniques, and data collection used by the field geologist. Plane table and airphoto techniques of mapping, section measurement and description, structure description and analysis will be treated. Three credits lecture and two laboratory periods per week.

GEOL 2989. Cooperative Education (3 credits)

GEOL 2999. Cooperative Education (3 credits)

GEOL 3011. Economic Geology I (3 credits) — Prerequisite: GEOL 1040, 1002, and 3112. A study of the origin, nature, distribution, and exploitation of the major metallic minerals.

GEOL 3012. Economic Geology II (3 credits) — Prerequisite: GEOL 1040, 1002, and 3112. Emphasis on industrial mineral deposits, fossil and mineral fuels, and alternate energy sources.

GEOL 3111. Mineralogy I (4 credits) — Prerequisite: GEOL 1040, 1002, and introductory chemistry. The study of minerals through their crystal structure and morphology, and their optical properties.

GEOL 3112. Mineralogy II (4 credits) — Prerequisite: GEOL 1040, 1002, and introductory chemistry. Identification of the major rock forming and accessory minerals, their environments of formation and their common associations.

GEOL 3391. Invertebrate Paleontology (4 credits) — Principles of taxonomy, classification, paleoecology, evolution, and geologic records of the major invertebrate phyla are considered. Three credits lecture and two laboratory periods each week.

GEOL 3395. Vertebrate Paleontology (4 credits) — Prerequisite: GEOL 1050, BIOL 1120, or permission of instructor. The goal of this course is to provide a general overview of vertebrate evolution through time and to discuss how it is (and has been) interpreted from the fossil record. In addition, new theories and recent discoveries will be addressed (specifically, their relevance to past and current thinking). Two lectures and two laboratory sessions weekly.

GEOL 3400. Geologic Illustration (2 credits) — Development of skills in the preparation of illustrations for publication and oral presentations. Topics include ink work, layout, proportion, reproduction materials and methods, lettering, and preparation. Course content is also relevant to other fields. One lecture and two laboratory periods each week.

GEOL 3481. Environmental Geology (3 credits) — This course considers specifics in man's relationship to the physical environment. Natural environmental hazards, such as volcanoes, earthquakes, subsidence, soil flow, landslides, floods, and sedimentation, are examined. The limitations of natural resources and future projections are considered along with the impact of man's demands upon the environment. Oil spills, surface mining, waste disposal, water supplies, and other problems of a geologic nature that are pertinent to the environment are discussed from the standpoint of specific case histories.

GEOL 4587/5587. Engineering Geology (4 credits) — Prerequisite: GEOL 1040, MATH 1920 or permission of instructor. Real-world applications of geology in the field of engineering. Topics include: soil properties, floods and flood control, dams, stream management and reconstruction, erosion and erosion control, mass movement, municipal waste treatment, septic systems, radioactive waste disposal, tunnels, geologic applications of explosives, permafrost, strip mining and mine reclamation, earthquakes, coastal management, etc. Lab exercises with actual projects, and applications beyond the classroom. Weekend field trips included. Two lectures and two labs weekly.

GEOL 3989. Cooperative Education (3 credits)

GEOL 3999. Cooperative Education (3 credits)

GEOL 4120. Petrography (4 credits) — Prerequisite: GEOL 3112 or permission of instructor. Igneous, sedimentary, and metamorphic rocks are examined both in hand specimen and in thin section. The student learns to recognize component minerals and other important characteristics and to apply principles of rock classification and identification.

GEOL 4540. Sedimentation-Stratigraphy (4 credits) — Prerequisite: GEOL 1040, 1002, or permission of instructor. The first part of the semester is devoted to the origin, classification, and interpretation of sediments and modern sedimentary environments. The second part is devoted to the recognition of these environments in the geologic record through stratigraphic analysis. The latter includes principles of correlation, stratigraphic paleontology, compilation of stratigraphic maps, and interpretation of the geologic column.

GEOL 4617/5617. Structural Geology (4 credits) — Prerequisite: GEOL 1040, MATH 1920 or permission of instructor. Focus is on the description and analysis of geological structures within the Earth’s crust, with an introduction to global tectonics. Includes the description of geological structures; the kinematics and dynamics of folding and faulting; stress, strain, deformation and rheology; introduction to dislocation theory; principles of plate tectonics; micro-structural analysis; and selected orogenic systems of the world. Three lectures and two laboratory sessions weekly.

GEOL 4900. Senior Thesis (4 credits) — Prerequisite: Permission of department chair is required.

GEOL 4905. Independent Study (1-4 credits) — Prerequisite: Permission of department chair is required. This course is designed for students who would like to study an area of geology not covered in the curriculum. Students are expected to work independently, but under the close supervision of an instructor. A paper presenting their findings is required.
HDAL 2317. Program Planning in Early Childhood Education (3 credits) — A study of learning environments in early childhood. A study of the basic principles of good health as they relate to the child in the family, child care center, and the community. Accident prevention and safety will receive special attention. Issues related to development of appropriate learning environments will be explored.

HDAL 3120. Evaluations of Young Children (3 credits) — Prerequisite: AHSC 2110 and admission to teacher education. A study of the basic principles of good health as they relate to the child in the family, child care center, and the community. Accident prevention and safety will receive special attention. Issues related to development of appropriate learning environments will be explored.

HDAL 3121. Twentieth Century German Literature (3 credits) — Prerequisites: HDAL 2310, 2320, 2325, or 2330. A study of the systematic application of psychological and behavioral principles to educational settings. This course will provide students in various non-counseling disciplines with an understanding of the nature and causes of psychological and social problems. Considerations in choosing, administering, and reporting results of assessments will also be addressed. Field work is required.

HDAL 3125. Creative Development in Young Children (3 credits) — Strategies for promoting the emergent creative dispositions of the young child are explored. Areas of focus include art, music, movement, play, dramatics, and creativity. Field participation is required.

HDAL 3130. Educational Psychology (3 credits) — Prerequisites: HDAL 2310, 2320, 2325, or 2330. A study of systematic application of psychological and behavioral principles to educational settings. This course will provide students with an understanding of the nature and causes of psychological and social problems. Considerations in choosing, administering, and reporting results of assessments will also be addressed. Field work is required.

HDAL 3150. Literacy in Young Children (3 credits) — Prerequisites: AHSC 2110, 2120, HDAL 3117, 3130 and admission to Teacher Education. Examine the development of literacy during the early years, birth to eight. Includes the study of environmental influences and methods that enrich or delay emerging literacy and language. Group activities for early childhood programs are explored. Writing Intensive Course.

HDAL 4101. Developmental Psychology II (3 credits) — Prerequisites: PSYC 1310 and HDAL 2310 or 2320. A study of the theory of prediction of child behavior management in family, school, and community settings. Procedures for individualizing groups and for well-adjusted or disruptive children will be presented.

HDAL 4217/5217. Program Planning in Early Childhood Education (3 credits) — Prerequisites: AHSC 2110, 2120, HDAL 3117, 3130 and admission to Teacher Education. Analyzes children's thinking as it influences curriculum design in early childhood. Explores the educational needs of the young child in the family, classroom, and community. Special attention is given to group conflict and handling group conflict.

HDAL 4257/5257. Mentoring in Early Childhood Education (3 credits) — This course is designed to train early childhood professionals in effective methods and principles of mentoring adults who have varying levels of training. Emphasis will be on the role of the mentor as a facilitator of adult learning. As leaders, these mentors will be implementing change that can lead to improved quality in programs and classrooms that serve young children, birth through eight years of age.
HDAL 4260. Learning in Human Development (3 credits) — In this course students will study how major theories of learning are related to developmental changes throughout the lifespan. The merits of theories will be critically examined. Significant attention will be given to the implications and applications of the valid principles within those learning theories for various settings, including classroom, family, business, and social settings.

HDAL 4517/5517. Family, Community, and School K-8 (3 credits) — Prerequisite: Admission to Teacher Education. Theoretical models of home-school relations will be examined as they have evolved through the 20th-21st century. Strategies for initiating and maintaining effective home-school-community collaboration will be identified with special emphasis on benefits to parents, children, community, and school personnel.

HDAL 4617/5617. Student Teaching: Primary/Early Childhood Practicum (6 credits) — Co-requisite: Must be taken in conjunction with AHSC 4167 and EDFN 4581. A supervised 150-credit teaching practicum in an approved Early Childhood primary grade program. Seminars will be held to coordinate and evaluate the student teaching experience.

HDAL 4666. Cultural Influences in Development (3 credits) — Prerequisite: PSYC 1310 and HDAL 2310 or 2320. An intensive study of familial, societal, economic, and religious influences on psychological development. The emergence of the individual person across a broad spectrum of national, ethnic, linguistic, and religious subcultures is examined.

HDAL 4817/5817. Introduction to Psychological Testing (3 credits) — Prerequisite: A course in statistics. A history and overview of the standardized evaluation methods commonly used in the assessment of individuals and groups. Topics covered are validity, reliability, and statistical concepts for the evaluation and interpretation of test data. The student is given an overview of ability tests, interest tests, and personality tests.

HDAL 4900. Independent Study (1-3 credits)

HDAL 4950. Research in Learning and Development (3 credits) — Prerequisite: PSYC 1310 and MATH 1530 or PSYC 2810. The study and application of research methods appropriate to the behavioral sciences for consumers of developmental research. Observation, research design, and data analysis appropriate to the applied setting is emphasized.

HDAL 4957/5957. Special Topics in Human Development and Learning (1-6 credits)

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

HDAL 5010. The Principles and the Administration of Counseling Services (3 credits)

HDAL 5100. Human Relations and Group Processes (3 credits)

HDAL 5110. Cross Cultural Issues and Perspectives (3 credits)

HDAL 5150. Career Planning Systems (3 credits)

HDAL 5200. Advanced Educational Psychology (3 credits)

HDAL 5210. Advanced Child Development (3 credits)

HDAL 5230. Advanced Developmental Psychology (3 credits)

HDAL 5260. Principles of Teaching and Learning (3 credits)

HDAL 5400. Consultation Techniques (3 credits)

HDAL 5420. Theories of Marriage and Family Counseling (3 credits)

HDAL 5422. Marital Therapy (3 credits)

HDAL 5430. Legal and Ethical Issues in Counseling (3 credits)

HDAL 5549. Substance Abuse (3 credits)

HDAL 5550. Counseling Theories (3 credits)

HDAL 5551. Counseling Techniques for Children (3 credits)

HDAL 5561. Counseling Techniques for Adolescents and Adults (3 credits)

HDAL 5570. Supervised Counseling Practicum (3 credits)

HDAL 5800. Seminar Practicum School Psychology (3 credits)

HDAL 5820. Psychological Assessment of Personality in Counseling (3 credits)

HDAL 5830. Individual Mental Testing (also Psychology 5830) (4 credits)

HDAL 5860. Theories of Learning (3 credits)

HDAL 5861. Applied Behavior Analysis (3 credits)

HDAL 5880. Internship (1-6 credits)

HDAL 5900. Independent Study (1-3 credits)

HDAL 5960. Thesis (3 credits)

HDAL 5990. Readings and Research (1-3 credits)

Early Childhood Education

HDAL 5210. Advanced Child Development (3 credits)

HDAL 5330. History & Philosophy of Early Childhood Education (3 credits)

HDAL 5331. Infancy (3 credits)

HDAL 5332. Designing An Early Childhood Environment (3 credits)

HDAL 5333. Designing an Early Childhood Environment: Learning in Infants and Young Children (3 credits)

HDAL 5334. Social Development of Young Children (3 credits)

HDAL 5335. Assessment of Young Children (3 credits)

HDAL 5344. Parent Education and Involvement (3 credits)

HDAL 5345. Research in Early Childhood Education (3 credits)

HDAL 5352. Theories of Play (3 credits)

HDAL 5355. Administration and Management of Programs in Early Childhood (3 credits)

HDAL 5356. Language Development in Early Childhood (3 credits)

HDAL 5440. Treating Abuse in the Family (3 credits)

HDAL 5590. Student Teaching in Early Childhood Program (3 credits)

History

HIST 1110. World History and Civilization to 1500 (3 credits) — A general survey of the cultural, religious, political, and social development of major world civilizations from their beginnings to c. 1500.

HIST 1120. World History and Civilizations Since 1500 (3 credits) — A general survey of the cultural, religious, political, and social development of major world civilizations from 1500 to the present.

HIST 2010. The United States to 1877 (3 credits) — A survey of the settlement and development of the colonies; the revolutionary period, the making of the Constitution, the diplomatic, economic, and political problems of the new government, the nature of economic sectionalism, Jacksonian democracy, territorial expansion, the Civil War, and Reconstruction.

HIST 2018. Honors United States to 1877 (3 credits) — Prerequisite: Permission of the department. Honors course for exceptional students who wish to study in a small seminar-type class.

HIST 2020. The United States Since 1877 (3 credits) — Growth of the United States as an industrial and world power since Reconstruction.

HIST 2028. Honors United States Since 1877 (3 credits) — Prerequisite: Permission of the department. Honors course for exceptional students who wish to study in a small seminar-type class.

HIST 2030. History of Tennessee (3 credits) — An intensive study of selected periods and topics in Tennessee history.

HIST 3020. Minority and Ethnic History (3 credits) — A study of selected minority and ethnic groups in the United States with attention to geographical origin, migration patterns and their impact on and adaptation to American culture.

HIST 3310. Ancient History (3 credits) — A survey of the origins of ancient urban civilization, including the river valley civilizations of Egypt and Mesopotamia, Israel, and Greece, with emphasis on development of cultural, religious, political, and social institutions.

HIST 3320. Medieval History (3 credits) — Prerequisite: HIST 1120, 2010, 2020, or by permission of instructor. Introduction to the study of medieval history from the decline of ancient civilization to the beginning of the Renaissance. Emphasis on institutional and cultural development.

HIST 3330. Main Currents of Early Modern Europe (3 credits) — A study of major forces and events that shaped Europe from the mid-sixteenth century to the French Revolution: the Reformation and wars of religion, absolutism, and constitutionalism, the Scientific Revolution and the Enlightenment, and aspects of popular culture (the witchcraft craze, marriage and family life, religion).

HIST 3340. Modern Europe (3 credits) — A study of the 19th-century origins of modern Europe; the development of the European industrial economy and society; diplomatic developments and the nature of the balance of power system; Europe and the two World Wars; the development of post-World War II Europe.

HIST 3410. Introduction to Historical Methods (3 credits) — An introductory survey of historical methods and thinking, including consideration of the philosophy of history, historiography, historical research, and the writing of history.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3710</td>
<td>A Survey of the Middle East (3 credits)</td>
<td>—</td>
<td>A survey of the land, people, and problems of the Middle East from ancient times to the modern period.</td>
</tr>
<tr>
<td>HIST 3720</td>
<td>History of Africa (3 credits)</td>
<td>—</td>
<td>An introduction to the history of the entire African continent from earliest times to the present. Primary emphasis is placed on the achievements of Africans rather than those of foreigners in Africa.</td>
</tr>
<tr>
<td>HIST 3730</td>
<td>Conquest to Independence in Latin America (3 credits)</td>
<td>—</td>
<td>A study of the colonial period and independence movements with emphasis upon colonial and early national institutions that are of significance for understanding the peculiar mix of reaction and revolution visible in contemporary Latin America.</td>
</tr>
<tr>
<td>HIST 3740</td>
<td>History of Asia (3 credits)</td>
<td>—</td>
<td>A survey of Asian history from earliest times which stresses the formation and development of the long-lived political cultures of China and Japan, including their strategies for protecting their national sovereignty.</td>
</tr>
<tr>
<td>HIST 3900</td>
<td>African-American History to 1877 (3 credits)</td>
<td>—</td>
<td>African-American History to 1877 is a survey course which explores the political, economic, social, and cultural experiences of African-Americans, from their African roots through the Reconstruction period in America. The course will emphasize the struggle for equality along with the collective and individual contributions of African-Americans to U.S. and world culture.</td>
</tr>
<tr>
<td>HIST 3901</td>
<td>African-American History Since 1877 (3 credits)</td>
<td>—</td>
<td>African American History Since 1877 is a survey course which explores the political, economic, social, and cultural experiences of African-Americans, from U.S. Reconstruction to the present. The course emphasizes the Civil Rights movement, along with the struggles and achievements of African Americans.</td>
</tr>
<tr>
<td>HIST 3910</td>
<td>History of Christianity (3 credits)</td>
<td>—</td>
<td>A survey of the history of the Christian movement, from the early Church to the diverse expressions of Christianity in the modern world.</td>
</tr>
<tr>
<td>HIST 3920</td>
<td>History of Islam (3 credits)</td>
<td>—</td>
<td>A survey of pre-Islamic Arabia, the Prophet and his career, the Qur’an, doctrine and ritual, law, Sufism, sects in Islam, the Caliphate, and Islam in the modern world.</td>
</tr>
<tr>
<td>HIST 3940</td>
<td>War in the Modern World (3 credits)</td>
<td>—</td>
<td>A study of war since the 18th century, including how armies reflect the values of a society; changes in warfare in the modern era; the American way of war; strategy, tactics, generalship, weapons; and the impact of war on society.</td>
</tr>
<tr>
<td>HIST 3989-99</td>
<td>Cooperative Education (1-3, 1-3 credits)</td>
<td>—</td>
<td>A history of the establishment of European settlements in America and the development of colonies in the 16th and 17th centuries.</td>
</tr>
<tr>
<td>HIST 4037</td>
<td>The American Revolution (3 credits)</td>
<td>—</td>
<td>A study of the origins and development of revolutionary sentiment in 18th century America.</td>
</tr>
<tr>
<td>HIST 4047/5047</td>
<td>The Early Republic (3 credits)</td>
<td>—</td>
<td>A study of the Federal Period, the Jeffersonian Revolution and the War of 1812.</td>
</tr>
<tr>
<td>HIST 4057/5057</td>
<td>The Age of Jackson (3 credits)</td>
<td>—</td>
<td>A study of the era of good feelings, the age of Jackson, sectionalism, and territorial expansion to the eve of the Civil War.</td>
</tr>
<tr>
<td>HIST 4067/5067</td>
<td>The Civil War (3 credits)</td>
<td>—</td>
<td>An advanced course in the history of the Civil War, with emphasis upon secession, economic and military mobilization, battles and campaigns and the cultural, diplomatic, and political developments in the period from 1861 to 1865.</td>
</tr>
<tr>
<td>HIST 4097/5097</td>
<td>The Emergence of United States, 1865-1933 (3 credits)</td>
<td>—</td>
<td>Prerequisite: HIST 3100. A study of the rise of big business, big labor, big government, and the agrarians in the late 19th century; the Progressive Movement, World War I, League of Nations, and the Depression.</td>
</tr>
<tr>
<td>HIST 4107/5107</td>
<td>Recent United States 1933-Present (3 credits)</td>
<td>—</td>
<td>Prerequisite: HIST 3100 and 2020. A study of the New Deal, World War II, the significant changes in American society since the war and the exercise of great power status in international affairs in the third quarter of the 20th century.</td>
</tr>
<tr>
<td>HIST 4127</td>
<td>Social and Intellectual History of U.S. to 1877 (3 credits)</td>
<td>—</td>
<td>A study of selected and representative social, cultural, and intellectual themes in American history from the colonial period to the end of Reconstruction.</td>
</tr>
<tr>
<td>HIST 4137</td>
<td>Social and Intellectual History of U.S. Since 1877 (3 credits)</td>
<td>—</td>
<td>A study of the roles of the Orders, the growth of the republic, American institutions, and the struggle of the Orders, the growth of the republic, American institutions, and the growth of the republic, American institutions. The course emphasizes the Civil Rights movement, along with the struggles and achievements of African Americans.</td>
</tr>
<tr>
<td>HIST 4157/5157</td>
<td>The South Since 1865 (3 credits)</td>
<td>—</td>
<td>A study of the recent South with special attention to its politics, economy, society, culture, and relationship to national history.</td>
</tr>
<tr>
<td>HIST 4167</td>
<td>History of Southern Appalachians (3 credits)</td>
<td>—</td>
<td>A study of the political, economic, social, and cultural developments in southern Appalachians from the formation of the settlement to the 20th century.</td>
</tr>
<tr>
<td>HIST 4177/5177</td>
<td>The West in the Life of the Nation (3 credits)</td>
<td>—</td>
<td>A study of westward expansion and the impact of the frontier on American institutions from the Old Southwest and Northwestern frontiers to the Pacific Coast.</td>
</tr>
<tr>
<td>HIST 4207/5207</td>
<td>Ancient Religions (3 credits)</td>
<td>—</td>
<td>A study of the origins, development, and function of religion in the ancient world of the Middle East, the Indian subcontinent, Greece and Rome. The course will cover the religions of ancient Egypt, Mesopotamia, Palestine, Greece and Rome, as well as Gnosticism, Jainism, and Zoroastrianism.</td>
</tr>
<tr>
<td>HIST 4217/5217</td>
<td>History of Ancient Greece (3 credits)</td>
<td>—</td>
<td>A study of ancient Greece from its origins in the Bronze Age through the Hellenistic Age, with special emphasis on the political, philosophical, and intellectual ideas which form the basis of Western civilization.</td>
</tr>
<tr>
<td>HIST 4227/5227</td>
<td>History of Rome (3 credits)</td>
<td>—</td>
<td>A survey of ancient Rome from its origins to the fourth century A.D., including the Regal period, the struggle of the Orders, the growth of the republic, Roman institutions, the Roman conquest of Italy, the fall of the Republic and the growth of autocracy, adjustments in the Empire, the early Christian church, and the culture of Rome and of its subject peoples.</td>
</tr>
<tr>
<td>HIST 4230</td>
<td>Renaissance and Reformation Europe (3 credits)</td>
<td>—</td>
<td>A survey of Europe during its transition from medieval to early modern times, with emphasis on the roots of the Renaissance culture of the 15th and the religious upheaval of the 16th centuries and their impact on institutions and behavior, including the role of women, family life, popular culture, witchcraft/ the occult, and the rise of modern science.</td>
</tr>
<tr>
<td>HIST 4237/5237</td>
<td>Women in the Ancient World (3 credits)</td>
<td>—</td>
<td>A survey of the history and circumstances of women in antiquity, including the cultures of Egypt, Mesopotamia, Greece, and Rome.</td>
</tr>
<tr>
<td>HIST 4247/5247</td>
<td>History of Women in U.S., Settlement to 1945 (3 credits)</td>
<td>—</td>
<td>An investigation of the social, economic, and political roles of women in the life of the nation, from European contact with Native Americans to the end of World War II.</td>
</tr>
<tr>
<td>HIST 4327</td>
<td>Expansion of Europe Overseas, Since 1492 (3 credits)</td>
<td>—</td>
<td>Prerequisite: HIST 2110. A study of European expansion and its impact on the modern world.</td>
</tr>
<tr>
<td>HIST 4377/5377</td>
<td>Intellectual History of Europe Since the French Revolution (3 credits)</td>
<td>—</td>
<td>A study of the history of European thought from the French Revolution to the present day.</td>
</tr>
<tr>
<td>HIST 4387/5387</td>
<td>History of the Holocaust (3 credits)</td>
<td>—</td>
<td>A study of the background and origins of the Holocaust, including the legacy of anti-Semitism in Christian Europe and the emergence of racial anti-Semitism, the impact of World War I, Hitler’s ideology, the racial ideas of the Nazi state. Emphasis will also be put on the decision for and implementation of the Final Solution, with emphasis on the perpetrators, victims, and bystanders, as well as how the initially limited Nazi killings expanded into the Holocaust as we know it. Finally, the meaning and possible uniqueness of the Holocaust will be explored.</td>
</tr>
<tr>
<td>HIST 4417/5417</td>
<td>Methods of Teaching History (3 credits)</td>
<td>—</td>
<td>Content and methods for teaching history and social studies with emphasis in secondary education. This course earns education credit only and does not meet requirements for a major or minor in history or the MAT degree.</td>
</tr>
<tr>
<td>HIST 4507/5507</td>
<td>England to 1714 (3 credits)</td>
<td>—</td>
<td>A survey of English history from the Roman period to the 18th century. The course covers the main themes of English history — Christianity, medieval monarchy, common law, the Tudors — with considerable attention given to how men and women lived, worked, prayed, studied, and enjoyed life.</td>
</tr>
<tr>
<td>HIST 4517/5517</td>
<td>England, 1714-Present (3 credits)</td>
<td>—</td>
<td>A study of British history from 1688 to the present with primary attention directed to the political, economic, and social changes that led the nation from an agrarian and aristocratic kingdom to an industrial and democratic state in the 20th century.</td>
</tr>
<tr>
<td>HIST 4607/5607</td>
<td>History of Russia to 1917 (3 credits)</td>
<td>—</td>
<td>A study of politics, society, and culture in Russia from Kievan Rus to the end of tsarism, with emphasis on the latter period.</td>
</tr>
</tbody>
</table>
HIST 4617/5617. History of Russia Since 1917 (3 credits) — A study of Russia, with emphasis on politics, ideology, culture, and economic development from the collapse of tsarism and the Russian Revolution through the Soviet period and the post-Soviet period, including its successor states.

HIST 4627/5627. Modern Germany (3 credits) — A study of the causes and consequences of German unification from the Bismarckian period; the Wilhelminian Age; Weimar; and World War I; the Weimar Republic; Hitler and the Nazi Era; World War II and its aftermath. Emphasis will be placed on political, economic, social, and diplomatic developments.

HIST 4707/5707. East Asia Since 1900 (3 credits) — The transformation of China and Japan from regional to international economic powers.

HIST 4717/5717. Modern Middle East, 1800-Present (3 credits) — A study of the Middle East from Napoleon through Khomeini, with emphasis on modernization trends and Islamic responses.

HIST 4727/5727. Modern Africa (3 credits) — An advanced, in-depth examination of African social, economic, political, cultural, and intellectual history since about 1880, with special emphasis on the reestablishment of African independence.

HIST 4730. Latin America: Revolution and Nationalism (3 credits) — A study of the national development of several Latin American countries (Mexico, Argentina, Chile, Cuba, and Brazil) to show some of the dramatic differences as well as some of the common features of Latin American social, economic, and political structures today.

HIST 4827/5827. America in the 1960s (3 credits) — The domestic history of the United States during the 1960s, with emphasis on the era's social and cultural forces: Civil Rights (Martin Luther King, Jr., Malcolm X, the Black Power Movement), Social Policy (John F. Kennedy's New Frontier and Lyndon B. Johnson's Great Society), the impact of Vietnam and 1968 on the home front (Antwars Protest, the Counterculture, Student Rights), Modern Feminism, environmentalism, and the popular music and literature of the decade.

HIST 4837/5837. American Women Since World War II (3 credits) — An examination of the social, political, economic, commercial, legal, sexual, and racial issues faced by American women since the end of World War II. Topics will include the domestic containment of the 1950s, Betty Friedan's 1963 groundbreaking study, The Feminine Mystique, birth control, Roe v. Wade, the origins of protest movements, women's liberation, defeat of the Equal Rights Amendment, and the rise of radical and conservative feminism.

HIST 4847/5847. 20th Century American Sports (3 credits) — An interdisciplinary study of sport in its historical context: the formation and evolution of various sports, including their economic, political, legal, gender, racial, and sexual aspects, as well as their treatment in popular literature and films.

HIST 4900. Independent Study (1-3 credits) — The Independent Study option is designed for students who would like to pursue study in areas of history not covered by the department's curriculum. Students are expected to work independently, but under the supervision of a faculty member. Students desiring to use this option must prepare for appropriate signatures, a written application with the faculty which describes course objectives, research methods (including reading list), requirements for presentation of findings of such independent study, anticipated date for completion of all requirements, and method of faculty's evaluation of the independent study project.

HIST 4910. Survey of the Modern World (3 credits) — Prerequisite: HIST 1110 or 1120, 2010 and 2020. A recapitulation and synthesis of the main themes of modern history designed to enable majors and minors to acquire a reasonable overview of the past.

HIST 4927/5927. World War II in Europe (3 credits) — A study of the background, origins, process, and consequences of World War II in Europe. Emphasis will be placed not only on political, diplomatic, and military aspects of the war, but also on its broader social, economic, technological, and ideological ramifications.

HIST 4937/5937. World War II in the Pacific (3 credits) — A study of the origins, course and consequences of World War II in the Pacific. Emphasis will be placed not only on the political, diplomatic, and military aspects of the war but also on the racial, technological, and ideological ramifications. The course will begin with the outbreak of the Sino-Japanese War in 1937 and end with the beginning of the Cold War and the rebuilding of Japan.

HIST 4957/5957. Topics in History (1-3 credits) — A series of special interest subjects will be offered under this title on the basis of student interest and faculty capability. The course may be repeated.
HSCI 3320. General Microbiology (4 credits) — Prerequisite: One year college biological sciences and one year inorganic chemistry recommended. A comprehensive basic course emphasizing biological properties and natural activities. For students desiring or needing a broad background and understanding, or with special interest in microbiology. (Student must register for HSCI 3321 also and receive common grade.)

HSCI 3321. General Microbiology Laboratory (0 credits) — Laboratory to coordinate with HSCI 3320. Emphasizes the distribution, isolation, cultivation, morphology, and identification of microorganisms as well as physical and nutritional means of control. Fundamental principles and techniques Prerequisite to advanced courses. Two two-hour laboratories per week. (Student must register for HSCI 3320 also and receive common grade.)

HSCI 3510. Pathogenic Microbiology (4 credits) — Prerequisite: HSCI 3320. A lecture and laboratory course presenting the key concepts and mechanisms of the infectious disease process and its prevention and control with an emphasis on bacterial pathogens and how they cause disease. In addition, the laboratory component is designed to introduce the student to the basic techniques for the isolation and identification of pathogenic bacteria.

HSCI 3540. Immunology (3 credits) — A lecture presenting current concepts of the basic mechanisms of immunity and selected laboratory techniques to study the development of the immune response.

HSCI 4067/5067. Neurology (4 credits) — Prerequisite: Human or vertebrate anatomy and physiology. A basic study of human neuroanatomy and neurophysiology. This course explores the motor and sensory pathways as well as the integration systems of the central nervous system. Laboratory work utilizes preserved human specimens, models, slides and charts. Two hours lecture and two two-hour laboratories per week.

HSCI 4590. Independent Studies (1-4 credits) — Prerequisite: Upper-division status and permission of instructor and department chair. Independent research under the supervision of staff members. A plan of the research must be approved in advance of registration. May be taken to a total of four credits.

HSCI 4607/5607. Bacterial Physiology (4 credits) — Prerequisite: HSCI 3320 and Organic Chemistry required, biochemistry recommended. A consideration of the biochemical nature of the growth of microorganisms. Includes studies of bacterial cytology, enzymes, nutritional requirements, metabolic pathways, and genetic regulation. Laboratory includes studies of selected aspects of metabolism during bacterial growth and the use of bacterial vectors for cloning DNA. Two hours lecture and three hours laboratory per week.

HSCI 4730. Molecular and Microbial Genetics (3 credits) — Prerequisite: HSCI 3320, General Microbiology. An introduction to microbial genetics, focusing on the genetics and molecular biology of bacteria and bacteriophages. The course will include basic techniques of microbial genetics and gene manipulation with emphasis on the application of molecular genetics in basic and applied research.

HSCI 4747/5747. Mycology (4 credits) — Prerequisite: HSCI 3320 and Organic Chemistry. A survey of the fungi with emphasis on form, structure, genetics, growth and nutrition, classification, ecology, and economic importance. The fundamentals of general mycology and the procedures used for the isolation and identification of fungi including yeasts, mold, and actinomyces are investigated in the laboratory. Two hours lecture and two two-hour laboratories per week.

HSCI 4770. Virology (4 credits) — Prerequisite: HSCI 3320 or equivalent. An introduction to the pathogenesis and molecular biology of viruses including methods of isolation, cultivation, and characterization. Two-hour lecture and two-hour laboratory.

HSCI 4957/5957. Special Topics in Health Sciences (2-6 credits) — Prerequisite: Dependent on subject matter. Selected topics in health sciences. Offered upon sufficient demand for specific subject matter. May be repeated for different topics. Consultation with the instructor is recommended before enrollment.

HSCI 4989. Cooperative Education (1-3 credits)
HSCI 4999. Cooperative Education (1-3 credits)

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

HSCI 5100. Pathogenic Microbiology (2 credits)
HSCI 5101. Pathogenic Microbiology Laboratory (2 credits)
HSCI 5110. Immunology (2 credits)
HSCI 5111. Immunology Laboratory (2 credits)
HSCI 5160. Advanced Virology (3 credits)
HSCI 5900. Independent Studies (1-4 credits)
HSCI 5980. Thesis (1-3 credits)
HSCI 5989. Cooperative Education (1-3 credits)
HSCI 5990. Readings and Research (1-3 credits)
HSCI 5999. Cooperative Education (1-3 credits)

Humanities
HUMT

♦ HUMT 2310. Introduction to the Humanities I: Ancient Greece to 1400 (3 credits) — An examination of the arts and ideas of ancient and medieval cultures.

♦ HUMT 2320. Introduction to the Humanities II: 1400 to Present (3 credits) — An examination of the arts and ideas of modern cultures. HUMT 2310 is not a Prerequisite for this course.

HUMT 4930. Independent Studies in Humanities (3 credits)
HUMT 4950. Senior Seminar (3 credits)

International Studies
INTL

INTL 2000. Introduction to International Studies (2 credits) — An academic introduction to systematic study of the world as an economic, political, and social unit. Students will consider a variety of approaches to such study; will plan a course of study, which will lead to a Senior Seminar Paper.

INTL 4000. International Studies Senior Seminar (1 credit) — Students and their project advisors will meet one hour a week. Students will consider methodological questions in writing papers in International Studies. Successful completion of this course requires the formal presentation of a Senior Seminar Paper.

Japanese
JAPN

JAPN 1010-20. Beginning Japanese (3, 3 credits) — Introduction to the Japanese language, both spoken and written, and to the culture and customs.


JAPN 3015-25. Japanese Conversation and Composition (3, 3 credits) — Practice in conversation, with emphasis on idioms, syntax, and current expressions. Study of grammar through written compositions.

JAPN 4015-25. Advanced Japanese (3, 3 credits) — Emphasis on all four skills: speaking, listening, writing and reading. Study of syntax and idiomatic expressions through reading materials.

JAPN 4975. Topics in Japanese (3, 3 credits) — This course gives students an opportunity to study special topics in the field of Japanese.

Journalism
JOUR

JOUR 2050. History and Issues of Journalism (3 credits) — Examination of the evolution of ethical and historical issues that have shaped the field of journalism.

JOUR 2120. Writing for Print Media I (3 credits) — Prerequisite: Completion of ENGL 1010 and 1020; ability to type. Instruction and practice in fundamentals of journalistic writing, with main emphasis on format and style of news articles. A grade of “C” or better is required.

JOUR 2130. Writing for Print Media II (3 credits) — Prerequisite: A grade of “C” or better in JOUR 2120. Instruction and extensive laboratory practice in newspaper reporting. Focus is on gathering information, interviewing, and writing news and feature stories. Campus beats are covered, and most stories are considered for publication in the university’s student newspaper. Because of lengthy lab sessions, students may need to consult with the instructor to work out schedules before enrolling.
JOUR 3120. Opinion Writing (3 credits) — Prerequisite: A grade of “C” or better in JOUR 2130. Besides editorials and interpretive writing about public affairs and current events, the course explores types of opinion writing such as news analysts, personal columns and critical reviews.

JOUR 3130. In-Depth Reporting (3 credits) — Prerequisite: A grade of “C” or better in JOUR 2130. State-of-the-art, hands-on course that addresses how to produce in-depth and investigative stories from story conception to library research to interviewing local, state, and national experts and finally putting the story or series of stories in a cogent package. Use of computer-based reporting operations emphasized.

JOUR 3150. Copy Editing (3 credits) — Prerequisite: A grade of “C” or better in JOUR 2130, or a grade of “C” or better in PUBR 2770. Instruction and practice in editing copy for print media and in headline writing.

JOUR 3160. Newspaper Design (3 credits) — Prerequisite: JOUR 3150 or permission of instructor. Lecture-laboratory instruction in preparation of camera-ready pages with computers to achieve pagination. Principles and methods of organizing and integrating information for the reader.

JOUR 3301. Photojournalism (3 credits) — Basic visual and technical aspects of photojournalism along with exercises in general news events, sports, features, and other newspaper and magazine subjects. Includes digital camera and Photoshop techniques.

JOUR 3350. Advanced Photojournalism (3 credits) — Prerequisite: JOUR 3301 or permission of instructor. Advanced study in photojournalism concentrating on the newspaper and magazine story; advanced digital camera and Photoshop techniques.

JOUR 3430. Magazine Article Writing (3 credits) — Prerequisite: JOUR 2120 or permission of instructor. Writing non-fiction articles for consumer magazines as well as business, trade, and professional publications.

JOUR 4080. Journalism Internship (3 credits) — Prerequisite: Permission of instructor. Supervised professional experience in journalism.

JOUR 4107/5107. Reporting Public Affairs (3 credits) — Prerequisite: A grade of “C” or better in JOUR 2130. Instruction and practice in coverage of local, county, and state governments, the court system, and law-enforcement agencies. May include field trips for which students must defray personal expenses.

JOUR 4420. Magazine Editing and Production (3 credits) — Prerequisite: JOUR 3150 or permission of instructor. Lecture-laboratory tracing the magazine from original manuscripts to completed production. Lab makes use of computers to produce camera-ready magazine with illustrations.

JOUR 4900. Independent Studies in Journalism (1-3 credits)

JOUR 4957/5957. Topics in Journalism (2-6 credits)

Graduate Course Listing

For description and prerequisites see the Graduate Catalog.

JOUR 5107. Reporting Public Affairs (3 credits)

JOUR 5900. Independent Study in Journalism (1-3 credits)

JOUR 5957. Topics in Journalism (3 credits)

Foreign Languages

LANG

Also see FREN, GERM, JAPN, LATN, SPAN

METHODS

LANG 4417/5417. Teaching of Modern Languages (3 credits) — For seniors preparing to teach French, German, and Spanish. Topics include methodology and current trends in second language education and their application.

Latin

LATN

LATN 1010-20. Beginning Latin (3, 3 credits) — Introduction to Latin vocabulary, syntax, conjugations, and declensions, working toward prose and poetry.

LATN 2010-20. Second-Year Latin (3, 3 credits) — Continuation of first year, with reading from Latin prose and poetry and some prose composition.

Mathematics

MATH

(See Developmental Studies for below college-level courses.)

Special Requirement: Students in mathematics courses may be required to possess a designated hand-held calculator with functions appropriate to the course.

MATH 1090. Seminar in Mathematics I (2 credits) — Prerequisite: Successful completion of Calculus I or concurrent enrollment in MATH 1910. Designed to introduce mathematics majors to areas of mathematics other than calculus at a beginning level.

MATH 1410. Number Concepts & Algebraic Structure (3 credits) — Prerequisite: Two years of high school algebra and one year of high school geometry or the equivalent. This course will (1) investigate the role of numbers as a logical and predictable system for expressing and relating quantities, and (2) explore a variety of functional relationships which arise from diverse problem situations.

MATH 1420. Logic, Problem Solving and Geometry (3 credits) — Prerequisite: MATH 1410 or permission of instructor. Logic and problem solving will be used to discover geometric concepts. Examples from theorems of great mathematicians of the past will be studied. Students will be expected to understand and construct logical arguments. Use of technology to explore geometric relationships will be an integral part of the course.

MATH 1530. Probability and Statistics - Noncalculus (3 credits) — Prerequisite: Two years of high school algebra. Descriptive statistics and its relevance, including probability, experimentation, measurement, sampling and surveys. Informal statistical inference and hypothesis testing are included.

MATH 1531. Statistical Computing (1 credit) — Co-requisite: MATH 1530. Open only to majors in Computer Science. The use of computers to do basic statistical analysis including tabulation, graphing regression, estimation and test of hypothesis.

MATH 1710. College Algebra (3 credits) — Prerequisites: Two years of high school algebra. The real number system, linear and quadratic equations, Cartesian coordinates, systems of equations, and applications.

MATH 1720. Precalculus (3 credits) — Prerequisite: Two years of high school algebra or MATH 1710 or the equivalent. A study of functions and their graphs, including polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions.

MATH 1810. Analysis for Business (3 credits) — Prerequisite: Two years of high school algebra. Course is designed for business majors. Topics include algebraic functions, graphs, systems of linear equations, matrices, average rates, limits, instantaneous rates, and differentiation.

MATH 1820. Calculus for Business (3 credits) — Prerequisite: MATH 1810. Elementary calculus course designed for business students. Topics include applications of the derivative, exponential and logarithmic functions, integration, and functions of several variables.

MATH 1840. Analytic Geometry and Differential Calculus (3 credits) — Prerequisite: MATH 1720 or two years of high school algebra and high school trigonometry. A course in differential calculus with technical applications. Analytic geometry, quadratic equations, and additional topics in trigonometry as foundation to the calculus. Limits, the derivative, and applications.

MATH 1850. Integral Calculus for Technology (3 credits) — prerequisite: MATH 1840. A course in integral calculus with technical applications. Sequences and series, the integral, exponential and logarithmic functions, and differentiation and integration of transcendental functions.

MATH 1910. Calculus I (4 credits) — Prerequisite: Two years of high school algebra, one year of plane geometry, and trigonometry, or MATH 1720. Functions, limits of functions, derivatives and applications, and introduction to the integral.

MATH 1920. Calculus II (4 credits) — Prerequisite: MATH 1910. Applications of the integral, inverse trigonometric functions, exponential and logarithmic functions, techniques of integration, indeterminate forms and improper integrals, sequences and series.

MATH 2010. Linear Algebra (3 credits) — Prerequisites: MATH 1840, 1820, or 1910. Systems of linear equations, matrix algebra, inner products, vector spaces, linear transformations, eigenvalues and three-space vector geometry.
MATH 2050. Foundations of Probability and Statistics - Calculus Based (3 credits) — Prerequisite: MATH 1910. A calculus-based introduction to probability and statistical inference. Basic probability concepts, mathematical expectation, discrete and continuous probability distributions, sampling distributions, and two-sample estimation, and hypothesis testing techniques will be developed and used. 


MATH 2710. Discrete Structures (3 credits) — Prerequisite: MATH 1840 or 1910. Set theory, mathematical induction and recursion, relations and digraphs, functions, trees and languages, semigroups, finite-state machines, and languages.

MATH 2780. Statistical Data Analysis (3 credits) — Prerequisite: MATH 1530 or 2050. This is an applied and computer-oriented course. Production of data through experimentation and surveys, work with sources of statistical data in the Internet. Preparation and handling of data files using SPSS and SAS. Analysis of categorical and quantitative data; tests and statistics for two way tables, simple and multiple regression, one- and two-way ANOVA.

MATH 2800. Mathematical Reasoning (3 credits) — Prerequisite: MATH 1920 and 2010. Introduction to mathematical methods and arguments using the subjects of logic, set theory, number theory, geometry, algebra, and analysis.

MATH 2989. Cooperative Education (1-3 credits) — Prerequisite: MATH 2110 and 2010. Designed for students who wish to pursue a temporary apprenticeship or experiential activity in a cooperative endeavor with an approved agency.

MATH 3040. History of Mathematics (3 credits) — Prerequisite: MATH 2800 & junior or senior status. Introduction to number theory, treating divisibility, congruences, linear Diophantine equations and quadratic residues. Some history of the development of the discipline will also be included.

MATH 4047/5047. Mathematical Statistics I (3 credits) — Prerequisite: MATH 2050, 2010 and 2110. An introduction to the theory of probability and mathematical statistics. Topics will include discrete and continuous probability distributions and their applications, mathematical expectations and moment generating functions, functions of random variables and transformations, sampling distributions, the central limit theorem, Chi-square, t and F distributions.

MATH 4057/5057. Mathematical Statistics II (3 credits) — Prerequisite: MATH 4047 or 5047. A continuation of Mathematical Statistics I. An introduction to the theory of mathematical statistics, estimation, and hypothesis testing. Topics will include efficiency, consistency, sufficiency, robustness, methods of estimation, confidence intervals as well as the Neyman-Pearson lemma, power functions, likelihood ratio tests, hypothesis tests, and applications.

MATH 4127/5127. Introduction to Modern Algebra II (3 credits) — Prerequisite: MATH 2010 and 2800. Introduction to the basic algebraic systems, including groups, rings, integral domains, and fields.

MATH 4130. Introduction to Modern Algebra II (3 credits) — Prerequisite: MATH 4127/5127. The study of rings is continued to include topics of factor rings, ideals and factorization. The study of field theory is expanded to include extension fields and splitting fields. Time permitting, Sylow theory is included.

MATH 4157/5157. Introduction to Modern Geometry (3 credits) — Prerequisite: MATH 2010 and 2800 (or concurrent enrollment). An introduction to Euclidean and non-Euclidean geometries, emphasizing the distinction between the axiomatic characterizations and the transformational characterizations of these geometries. Some history of the development of the discipline will also be included.

MATH 4217/5217. Analysis I (3 credits) — Prerequisite: MATH 210 and 2800. Elements of point set topology, limits and continuity, differentiability, Taylor’s theorem, approximation, Riemann integral.

MATH 4227/5227. Analysis II (3 credits) — Prerequisite: MATH 4217. Infinite sequences and series, power series, real-valued functions of several variables, vector-valued functions of several variables, implicit function theorem, integral of multivariate functions.


MATH 4287/5287. Applications of Statistics (3 credits) — Prerequisite: MATH 1530, or 2050, or 4047, or permission of instructor. Topics covered include statistical methods for rates, ratios, various nonparametric procedures, regression, correlation, and analysis of variance. A course designed for the physical and social science students.

MATH 4307/5307. Sampling and Survey Techniques (3 credits) — Prerequisite: MATH 1530, or 2050, or 4047, or permission of instructor. Topics to be selected from survey designs; simple random, stratified and systematic sampling, questionnaire construction, interviewing techniques; methods of estimation and costs.

MATH 4337/5337. Complex Variables (3 credits) — Prerequisite: MATH 1920 and 2010. Complex numbers and their algebra, complex differentiation and integration, analytic and elementary functions, residues and power series.

MATH 4340. Applied Combinatorics and Problem Solving (3 credits) — Prerequisite: MATH 2800, 4127 or permission of instructor. Topics include basic counting techniques, generating functions, recurrence relations, and applications of these.

MATH 4350. Combinatorics and Graph Theory II (3 credits) — Prerequisite: MATH 4340 or permission of instructor. Topics include the inclusion/exclusion principle, Polya theory of counting, the pigeon hole principle, Ramsey theory, graph theory, and experimental design. Optional topics include coding theory and optimization.

MATH 4377/5377. The Theory of Interest (3 credits) — Prerequisite: MATH 2110 or the equivalent, or permission of instructor. Topics include measurement of interest, accumulated and present value factors; annuities certain, yield rates, amortization schedules and sinking funds; and bonds and related securities.

MATH 4387/5387. Actuarial Mathematics I (3 credits) — Prerequisite: MATH 2050 and 4377/5377, or equivalent courses, or permission of instructor. Topics include survival distributions and life tables: life insurance; life annuities; benefit premiums; benefit reserves; and analysis of benefit reserves.

MATH 4397/5397. Actuarial Mathematics II (3 credits) — Prerequisite: MATH 4387/5387 or permission of instructor. This is a continuation of MATH 4387/5387. Topics include multiple life functions; multiple decrement functions; applications of multiple decrement theory; insurance models including expenses; and business and regulatory conditions.

MATH 4417/5417. Teaching of Secondary Mathematics (3 credits) — Prerequisite: MATH 4127 and 4157 (or concurrent enrollment). Introduction to methods and materials appropriate to the teaching of secondary school mathematics. Topics include mathematics problem solving, integration of computing technology into mathematics instruction, systematic study of the foundations of secondary mathematics, and a survey of ideas and techniques associated with planning, delivering, and evaluating instruction in mathematics.

MATH 4900. Independent Study (2-6 credits) — Prerequisite: MATH 4127. Designed for students who would like to pursue a study of an area of mathematics not covered in the curriculum. Students are expected to work independently, but under the close supervision of an instructor. A paper presenting their findings is required.

MATH 4957/5957. Topics in Mathematics (2-6 credits) — Prerequisite: MATH 2110 and 2010. Selected topics of current interest in mathematics. Offered upon sufficient demand for specified subject matter. May be repeated twice for different topics. Consultation with the instructor is recommended before enrollment.

MATH 4989. Cooperative Education (3 credits) — Prerequisite: MATH 4127. Designed for students who wish to pursue a temporary apprenticeship or experiential activity in a cooperative and endowed with an approved agency.

MATH 4999. Cooperative Education (3 credits) — Same as above.

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Graduate Course Listing

For description and prerequisites see the Graduate Catalog.

MATH 5010. Patterns and Problem Solving for Elementary and Middle School Teachers (3 credits)
MATH 5015. Probability and Statistics for Elementary and Middle School Teachers (3 credits)
MATH 5025. Foundations and Structure of Mathematics I (3 credits)
MATH 5026. Foundations and Structure of Mathematics II (3 credits)
MATH 5040. Reasoning in Mathematics (3 credits)
MATH 5050. Analysis for Teachers (3 credits)
MATH 5060. Algebra for Teachers (3 credits)
MATH 5070. Theory of Numbers (3 credits)
MATH 5090. Theory of Matrices (3 credits)
MATH 5210-20. Real Analysis I & II (3 credits)
MATH 5310. Differential Geometry (3 credits)
MATH 5330. Axiomatic and Transformational Geometries (3 credits)
MATH 5340. Graph Theory and its Applications (3 credits)
MATH 5350. Topology (3 credits)
MATH 5410-20. Modern Algebra I & II (3 credits)
MATH 5510-20. Complex Analysis I & II (3 credits)
MATH 5570-20. Applied Mathematics I & II (3 credits)
MATH 5710-20. Statistical Methods I & II (3 credits)
MATH 5810-20. Operations Research I & II (3 credits)
MATH 5850-60. Numerical Analysis I & II (3 credits)
MATH 5900. Independent Study (1-6 credits)
MATH 5960. Thesis (1-3 credits)
MATH 5990. Readings and Research (1-3 credits)
MATH 5999-99. Cooperative Education (variable credits)

Mass Communications

MCOM 5029. Supervised Experience Research (1-3 credits)
MCOM 5030. Media and the First Amendment (3 credits)
MCOM 5037. Communications Law (3 credits)
MCOM 5039. Supervised Experience in Administration (1-3 credits)
MCOM 5050. Seminar in Mass Communications (1-6 credits)
MCOM 5050. Seminar in Mass Communications (1-3 credits)
MCOM 5060. Seminar Media Ethics (3 credits)
MCOM 5070. Seminar in History of Mass Communication (3 credits)
MCOM 5900. Independent Studies in Mass Communications (1-3 credits)
MCOM 5957. Topics in Mass Communications (2-6 credits)
MCOM 5960. Thesis (3 credits)
MCOM 5990. Read and Research (1-3 credits)

Educational Media and Educational Technology

MEDA 3570. Educational Technology (3 credits) — Prerequisites: Admission to teacher education and completion of one of the following: CSCI 1100 or Information Technology Proficiency Exam. This course prepares students to use educational technology in the classroom.
MEDA 4507/5507. Principles of Instructional Design and Production (3 credits) — This course concentrates on the systematic planning and production of instructional resources designed to meet client specifications. Computer-based media production and desktop presentations are included.
MEDA 4637/5637. Young Adult Materials (3 credits) — Analysis, evaluation, and use of library media for young adults of junior and senior high school age in relation to their needs, interests, and the school curriculum.
MEDA 4957/5957. Topics in Instructional Media (1-6 credits) — Prerequisite: Dependent on subject matter. Selected topics of current interest in media or technology. Offered upon sufficient demand for specific subject matter. May be repeated for different topics. Consultation with the instructor is recommended before enrollment.

Management

MGMT 3000. Organizational Behavior and Management (3 credits) — Prerequisite: Junior standing. An introduction to the managerial process emphasizing organizational behavior, theory, and development, and decision-making in complex organizations.
MGMT 3050. Decision Science (3 credits) — Prerequisites: ECON 2080, and junior standing. An introduction to basic management science methods emphasizing application and interpretation by managers. Topics include: model-building process, decision theory, Bayesian decision analysis, linear programming methods including the simplex method and assignment and transportation models, basic inventory and production models, queueing models, and Monte Carlo simulation. Computer program packages are used.
MGMT 3100. Operations Management (3 credits) — Prerequisites: MGMT 3000 and 3050 (may be taken concurrently). An introduction to the design, operation, and control of productive systems in both manufacturing and service organizations. Topics include: product, process, plant, technology, and personnel decisions; facility layout and location; job design and work measurement; logistics, production, inventory, quality, and cost control systems.
MGMT 3200. Organizational Communications (3 credits) — Prerequisite: Junior standing. The various oral and written media and channels essential to organizational communications are examined. Guidelines for application and evaluation are provided with emphasis on the situational effectiveness of each medium and channel.
MGMT 3220. Management Information Systems (3 credits) — Prerequisites: CSCI 1100 and MGMT 3000. Integrates topics of management and organization theory, information and communication theory, and systems theory relevant to managing an organization’s information resources. Includes computer and database concepts and emphasizes the design, analysis, operation, and control of information systems to aid management decision-making.
MGMT 3300. Written Organizational Communications (3 credits)
— Prerequisite: Junior standing. The application of theory to the forceful composition of business communications. Intensive development of skills to prepare effective business letters, memos, and reports. Particular attention will be given to technical language.

MGMT 3310. Legal Environment of Business (3 credits)
— Prerequisite: Junior standing. An introduction to our legal system with its impact on business. Business problems with legislation, judicial decisions, and governmental regulation are examined with special emphasis upon securities transactions, business taxes, and the Sherman, Clayton, and Robinson-Patman Acts.

MGMT 3320. Management and Social Responsibility (3 credits)
— Prerequisite: MGMT 3310. A study of the legal and ethical aspects of business dealings with respect to employees, the environment, consumers, suppliers, distributors, and the general community.

MGMT 3330. Law of Commercial Transactions (3 credits)
— Prerequisite: MGMT 3310. A survey of the law of commercial transactions including contracts, sales and agency partnerships, corporations, commercial paper, secured transactions, and bankruptcy. The course should be helpful in giving one a general knowledge of the substantive law of business and in preparing for the law section of the CPA exam.

MGMT 3350. Supply Chain Management (3 credits)
— Prerequisite: MKTG 3310. A comprehensive course dealing with an approach to analyzing and managing logistics networks that improve a company's competitive position in the global marketplace. Issues dealing with resource flows through the supply chain will be discussed in lectures and cases.

MGMT 3360. Introduction to Project Management (3 credits)
— Prerequisite: MGMT 3310. This course addresses project management from a management perspective rather than an engineering or mathematical perspective. It deals with the basic nature of managing projects, selecting projects, initiating them, operating and controlling projects, and terminating projects. The students should understand the demands made on the project manager and the nature of the manager's interaction with the rest of the parent organization.

MGMT 4010. Advanced Organizational Behavior (3 credits)
— Prerequisite: MGMT 3300 and a declared major. A behavioral science approach to organizational management problems created by the interaction of individuals and organizations. Topics examined include motivation, leadership, organizational change, and development.

MGMT 4018. Senior Honors Seminar (3 credits)
— Prerequisite: ECON 3088 and admission to the College of Business Honors Program. A seminar for College of Business Honors students who are working on senior honors theses or other approved projects. Upon successful completion of the course, students will have demonstrated the ability to complete the research process by creating a written product suitable for submission to the College of Business faculty.

MGMT 4020. Organizational Theory and Development (3 credits)
— Prerequisite: MGMT 3000. The study of the structure and functioning of organizations, and an examination of the interactive effects of people, technology, and environment on the organization.

MGMT 4030. Current Management Issues (3 credits)
— Prerequisite: Junior Standing and MGMT 3000. A course designed to teach students in specific up-to-date issues tailored to their specific degree requirements. Areas such as total quality management, continuous improvement, team building, quick response, efficient customer response, enterprise resource planning, and business process reengineering are developed through lectures and case studies to show the student real-world application.

MGMT 4210. Systems Analysis and Design (3 credits)
— Prerequisite: MGMT 3220. An overview of systems development techniques including the life cycle and prototyping. There will be an emphasis on the techniques and tools of system documentation and logical system specification. This course will incorporate management practices and principles as they pertain to the analysis, design, and implementation of information systems.

MGMT 4217/5217. Service Operations Management (3 credits)
— Prerequisite: MGMT 3100 or permission of instructor. Application of operations management principles within the service environment, and illustrating new information technologies as strategic elements of service operations. Topics include: managing services, structuring and scheduling, continuous improvements in quality and productivity. Quantitative models and case analysis will be included.

MGMT 4317/5317. Materials Management (3 credits)
— Prerequisite: MGMT 3100. Design of information, forecasting, planning, and control systems for allocating resources and scheduling activities. Topics include: operations information systems, forecasting, aggregate output planning, inventory control, materials requirements planning, and shop scheduling.
MGMT 4530. Compensation Management (3 credits) — Prerequisite: MGMT 4510. An in-depth look at the role of the company, government, union, and employee in the design and administration of a compensation system and a survey of the problems faced by modern managers of such a system.

MGMT 4540. Personnel Research and Measurement (3 credits) — Prerequisite: ECON 2080 and MGMT 4510. A review and evaluation of appropriate studies in order to become familiar with personnel measurement techniques such as job evaluation, performance appraisal systems, morale surveys, and personnel auditing procedures.

MGMT 4560. Planning and Staffing (3 credits) — Prerequisite: MGMT 3000. An in-depth review of the concepts and techniques of planning and staffing used by organizations to ensure adequate recruitment and selection of skilled employees. Topics to be covered include: staffing models, economic and labor market conditions, the impact of units in hiring, legal factors in recruiting and selection, strategic planning, job analysis, forecasting labor supply and demand, measurement issues, external and internal recruitment and selection, and staffing system management.

MGMT 4570. Training and Development (3 credits) — Prerequisite: MGMT 4510 or permission of instructor. An introduction to the concepts and techniques of training and development. The organization of the sources and methods used to determine training and development needs, to implement programs, and to evaluate the success of these programs.

MGMT 4587/5587. HRM Certification (3 credits) — Prerequisite: MGMT 4510 or instructor’s permission. A review of the content domain of human resource management topics as defined by the Society for Human Resource Management. Students will prepare for the Society of Human Resource Management’s Human Resource Certification Institution Examination. Major content areas include: professionalism and ethics, management practices, selection and placement, training and development, compensation and benefits, employee and labor relations, and health, safety and security. Practice exams are a major focus.

MGMT 4600. Personnel Law (3 credits) — Prerequisite: MGMT 3000 and 3310. A survey of the law concerning equal employment, worker safety, pensions, employee legal rights, workers’ compensation, wage and credit law, and other areas of law. Emphasis is on practical knowledge essential to personnel department managers.

MGMT 4617/5617. Small Business Management (3 credits) — Prerequisite: MGMT 3000 or equivalent. A study of the opportunities, pitfalls, and problems in the creation and management of small business operations. Case studies are used to illustrate the application of principles.

MGMT. 4657/5657. Strategic Environmental Management in Business (3 credits) — Prerequisite: MGMT 3000 or permission of instructor. This course prepares managers in business organizations to make successful business decisions which are compatible with a sustainable ecosystem. It provides the knowledge, values, and frameworks necessary to implement sustainable growth strategies in business organizations.

MGMT 4667/5667. Environmental Law for Business (3 credits) — Prerequisite: MGMT 3000 or MGMT 5020 or equivalent. The course is designed to provide students with an understanding of the environmental laws and regulations that influence decision making in the current business climate. Topics include the process by which environmental legislation is developed and promulgated, how regulations are revised, and the basic scientific and policy foundations driving specific environmental legislation. Also covered is the interaction of the judicial process in the enforcement of environmental legislation. The student also will be introduced to the technical aspects of environmental legislation most affecting business operations and the manager’s role regarding compliance issues.

MGMT 4900. Independent Study in Management (1-3 credits) — A course designed for advanced students who, under the direction of a management faculty member, wish to engage in independent research or an intensive study of subjects not covered in other available courses. Prior departmental and college approval is needed.

MGMT 4905. Management Internship (3 credits) — Prerequisite: Must have completed a minimum of six semester credits at the upper-division level in the student’s major, junior or senior standing and a GPA of 2.7 or above. Students are selected through a competitive process for assignments in approved business or public-sector organizations as interns under the supervision of the internship coordinator and field placement supervisors. Students may not earn more than three semester credits for this course which can be used as a free elective or an elective within a business major with prior approval by the chair.

MGMT 4910. Policy and Strategy Formulation (3 credits) — Prerequisites: Declared business major, and last-semester senior standing. Specific problems involved in the formulation of consistent business policies and the maintenance of efficient organizations.

MGMT 4957/5957. Topics in Management (3 credits) — Prerequisite: Senior or graduate standing and permission of instructor. This course gives students an opportunity to study special problems and new developments in the field of management.

Management Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

BADM 5100. Strategic Management Process (3 credits)

BADM 5120. Managing Organizational Change (3 credits)

BADM 5160. Information Infrastructure (3 credits)

BADM 5320. Operations Strategy (3 credits)

BADM 5340. Human Resource Strategy (3 credits)

BADM 5800. Strategic Experience (3 credits)

MGMT 5010. Essentials of Management/Marketing (3 credits)

MGMT 5020. Legal and Social Environment of Business (3 credits)

MGMT 5030. Quantitative Analysis for Operations Management (3 credits)

MGMT 5110. Operations Management (3 credits)

MGMT 5230. Management Information Systems (3 credits)

MGMT 5310. Organizational Theory & Behavior (3 credits)

MGMT 5401. Rural Health Issues (3 credits)

MGMT 5505. Managing Health Care Organizations (3 credits)

MGMT 5525. Health Services Delivery & Organization (3 credits)

MGMT 5550. Human Resources Management in Health Care (3 credits)

MGMT 5590. Strategic Planning for Health Care (3 credits)

MGMT 5900. Independent Study in Management (1-3 credits)

MGMT 5910. Policy and Strategy Formulation (3 credits)

Marketing

MKTG

MKTG 3200. Principles of Marketing (3 credits) — Prerequisite: Junior standing. An introductory course designed to develop in students an understanding of basic marketing concepts and functions in market-oriented institutions. Marketing strategy is studied with appreciation for the constraints imposed by consumer behavior, marketing institutions, competition, and the law.

MKTG 3202. Consumer Behavior (3 credits) — Prerequisite: MKTG 3200. Study of the nature and dynamics of consumer markets. Emphasis is placed on the concepts and techniques used to identify and measure target areas relative to differing behavioral patterns for use in marketing strategy.

MKTG 3210. Fundamentals of Distribution (3 credits) — Prerequisite: ECON 2210 and MKTG 3200. This course reviews channels of marketing distribution and introduces component areas of distribution such as transportation, inventory control, warehousing, and material handling.

MKTG 3250. Marketing Communications (3 credits) — Prerequisite: MKTG 3200. A study of the role and influence of persuasive communications in demand stimulation and expansion. Behavioral theory underlying promotional techniques is emphasized and applications to mass communications, personal selling, and sales promotion are utilized.

MKTG 3310. Business Logistics (3 credits) — Prerequisite: ECON 2210 and MKTG 3200. Business logistics comprise the largest component of physical distribution costs. This course surveys the economic principles and institutional arrangements underlying managerial decisions on choice of transportation modes, carriers, and strategies.

MKTG 3350. Retailing (3 credits) — Prerequisite: MKTG 3200. A comprehensive course dealing with the role of retailing in the marketing environment. Location, buying, promotion, organization, personnel, and control in a retail enterprise are examined.

MKTG 3740. Sales Force Management (3 credits) — Prerequisite: MKTG 3200. Building upon a foundation of basic principles of salesmanship and persuasion, emphasis is placed upon the problems confronting sales executives and the techniques, policies, and strategies used in their solution.
MSCI 1182. Military Practicum III (1 credit) — Individuals who sign up for MSCI 1182 must also enroll in MSCI 2150. Wearing a military uniform and meeting military appearance standards are required.

MSCI 1210. Mountaineering, Leadership, and Survival I (3 credits) — A forum for students to heighten their level of self-confidence while enhancing communication, teamwork, and leadership skills. Provides a series of practical exercises enabling the student to participate as an individual and as a member of a small group in situations of increasing complexity. Low elements of the Basler Challenge course will be incorporated into the instruction as a means of facilitating the team-building experience. Emphasizes ethical considerations for leaders, leadership skills, basic survival skills, marksmanship, and the importance of verbal and non-verbal communication skills.

MSCI 1217. Basic Military Physical Training (1 credit) — A physical conditioning class designed to promote high levels of performance on the Army Physical Fitness Test (APFT), and to improve the health, endurance, and strength of the body. This course may be repeated up to four times for credit.

MSCI 1220. Mountaineering, Leadership, and Survival II (3 credits) — Prerequisite: MSCI 1120 or approval of professor of Military Science. A study of advanced leadership concepts and skills. The course emphasis is on gaining an understanding of the leadership process and the factors that contribute to effective skills in leadership and management. Students will be instructed in advanced climbing, rappelling, survival, land navigation, first aid and drown proofing and the development of training programs related to the previously stated subject areas.

MSCI 2110. Dynamics of Leadership and Management (2 credits) — A study of basic leadership concepts, principles, and traits applicable to civilian occupation as well as to the military. Emphasis is on gaining a better understanding of the leadership process and development of sound leadership techniques. Individuals enrolled in MSCI 2110 must also enroll in MSCI 1181.

MSCI 2150. Military Skills I (2 credits) — Study of the basic leadership skills needed by the individual soldier to successfully participate in military activities with professional soldiers in garrison and to win on the battlefield. First aid skills, communications, patrolling, navigation, drill and inspection, and weapons training are all included. Individuals enrolled in MSCI 2150 must also enroll in MSCI 1182.

MSCI 2580. Leader’s Training Course (variable from 1-6 credits) — Prerequisite: Approval of professor of Military Science. This option is available only for students who did not complete qualification for the Advanced Phase by completing four Basic Phase courses during their freshman and sophomore years. The Basic Camp, conducted at Ft. Knox, Kentucky, is a five-week program designed to challenge and develop the cadets’ leadership abilities. It is an intensive course in the fundamentals of soldiering, complete with physical training, marksmanship, map reading, drill and ceremonies, operations, and tactics.

MSCI 3110. Military Skills II (3 credits) — Prerequisite: Completion of the Basic Course or equivalent or approval of professor of Military Science. Offered fall semester only. A comprehensive study of basic military skills and small unit organization. Includes military map reading techniques, the organization and control of small units, and individual tactical training. Emphasis is on leadership development.

MSCI 3120. Military Skills III (3 credits) — Prerequisite: Completion of MSCI 3110 or approval of professor of Military Science. Offered during spring semester only. A systematic overview of the roles and responsibilities of the army officer and the continued study of military skills. Includes instruction in teaching techniques, principles of war, fundamentals of land combat, and basic unit tactical training. Emphasis is on application of proper leadership techniques.

MSCI 3217. Instructional Techniques for Military Physical Training (1 credit) — Temporary limited to contracted military science cadets. Course may be repeated up to three times for credit. A physical conditioning class designed to prepare MS III and IV cadets to teach, conduct, and evaluate military physical training. In addition to building self-confidence in cadets, the course will also promote high levels of performance on the Army Physical Fitness Test (APFT) and will help prepare cadets for commissioning as second lieutenants.

MSCI 3540. War in the Modern World (3 credits) — (Mandatory for commissioning. See course description under Department of History listings.)

MSCI 4110. Advanced Tactics (3 credits) — Prerequisite: Completion of MSCI 3120 or approval of professor of Military Science. Offered fall semester only. An intensive study of the methods, techniques, principles, and doctrine for the tactical employment of military units at battalion level and below. Lessons learned will be applied through the use of battle simulations. Includes an overview of the Army Staff Organization and Functions.
MSCI 4120. Advanced Leadership (3 credits) — Prerequisite. Completion of MSCI 4110 or approval of professor of Military Science. Offered spring semester only. An analysis of the individualistic and situational aspects of leadership. Focus is on the dynamics of intergroup communications and the responsibilities of the group leader in varying environments. Emphasis is placed on leadership in stress situations.

MSCI 4580. National Advanced Leadership Camp (6 credits) — Prerequisite: Completion of MSCI 3110 and 3120. Training conducted at Ft. Lewis, Washington, provides advanced course cadets with practical experience in leadership, methods of instruction, engineering, small unit tactics, weaponry, and communications.

Music

MUSC 1000. Orientation to the Music Program (1 credit) — A freshman success course focusing on the requirements for music majors, including curriculum, recital attendance, juries, and piano proficiency. Introduction to university systems and programs, including e-mail, counseling services, library, etc.

MUSC 1010. Class Piano I (1 credit) — Prerequisite. Admission by consent of instructor. Class piano provides the non-keyboard music major with functional keyboard skills such as the ability to sight-read, score-read, harmonize, transpose, and improvise.

MUSC 1020. Class Piano II (1 credit) — Prerequisite: MUSC 1010. Continuation of MUSC 1010.

♦ MUSC 1030. Introduction to Music (3 credits) — An introduction to the development of music, with an emphasis on art music of the Western hemisphere. Topics include: elements of music; instruments and ensembles; form; styles and periods, including major composers and works. Synthesis is encouraged through listening to and writing about music. Concert attendance outside class is required.

♦ MUSC 1035. History of Jazz (3 credits) — A study of the origins, developments, and current trends in the jazz idiom. Course focuses on important musicians, styles, and bands that have shaped the development of jazz.

MUSC 1040. Class Voice I (1 credit) — Group instruction in the fundamental processes of good singing, i.e., breathing, tone production, diction, etc.

MUSC 1201. Marching Band (2 credits) — Performs for all home football games and various other university and civic functions, including out-of-town trips. Open to all students by consultation with instructor.

MUSC 1202. Symphonic Wind Ensemble (1 credit) — Concert organization which prepares and performs representative traditional and contemporary works for the wind medium. Open to all students by audition.

MUSC 1203. Concert Band (1 credit) — Concert organization which prepares and performs representative traditional and contemporary works for the band medium. Open to all students by consultation with instructor.

MUSC 1204. Orchestra (1 credit) — Study and performance of orchestral literature. Admission by consent of instructor. Credit given for performance with the Johnson City Symphony Orchestra.

MUSC 1206. Chamber Orchestra (1 credit) — An ensemble for the performance of Chamber Orchestra literature. Admission by the consent of the instructor.

MUSC 1211. Brass Choir (1 credit) — Study and performance of brass chamber music. Admission by consent of instructor.

MUSC 1212. Woodwind Ensemble (1 credit) — Study and performance of standard chamber music literature suitable for the ability and instrumentation of the ensemble.

MUSC 1213. String Ensemble (1 credit) — Study and performance of string literature. Admission by consent of instructor.

MUSC 1214. Percussion Ensemble (1 credit) — Study and performance of percussion literature. Admission by consent of instructor.

MUSC 1215. Collegium Musicum (1 credit) — Study and performance of music of the 13th-18th centuries on instruments appropriate to the period. Admission by permission of the instructor.

MUSC 1217. Opera Workshop (1 credit) — A practical laboratory approach to the study and presentation of opera. Open to any person interested in singing, coaching, directing, orchestral playing, costuming, set construction, lighting, publicizing, and producing for the public. Admission by consent of the instructor.

MUSC 1220. Musical Theatre Practicum (1 credit) — Open to any person interested in singing, dancing, acting, orchestral playing, costuming, coaching, set construction, and other aspects of the theatre. Admission by consent of the instructor.

MUSC 1221. Choir (1 credit) — Study and performance of accompanied and unaccompanied choral music of all periods. Open to all students by consultation with director of choral activities.

MUSC 1241. Jazz Singers (1 credit) — Study and performance of popular styles. Open to all students by consultation with director of choral activities.

MUSC 1251. Chorale (2 credits) — Small vocal groups created for performance of various types of ensemble music. Admission by consent of the instructor.

MUSC 1261. Jazz Ensemble (1 credit) — Study devoted to jazz and pop styles. Attention given to improvisation and understanding stylistic problems. Open to all students by consultation with instructor.

MUSC 1271. Instrumental Chamber Groups (1 credit) — Study and performance of music for small instrumental ensembles. Admission by consent of the instructors.

MUSC 1272. Accompanying (1 credit) — Designed to provide ensemble experience for keyboard majors. Students will be assigned to accompany singers or instrumentalists under the supervision of applied music instructors. The accompanists will attend lessons, rehearse outside of lesson times, and play for juries and other performances as assigned.

MUSC 1280. Bluegrass Band (1 credit) — Performance of bluegrass, country, and folk material. Open to those with basic skills on banjo, fiddle, guitar, bass, mandolin, or other appropriate instruments.

*MUSC 1400. Music Fundamentals (2 credits) — Elementary music theory and practice in aural skills for the nonmusic major and music major with limited or no theory background.

MUSC 1410. Theory I (2 credits) — Basic study of scales, keys, intervals, and diatonic harmony. Study of basic musical forms. Analysis of Baroque and Classical compositions. Admission by consent of instructor.

MUSC 1411. Aural Skills I (1 credit) — Sight-singing, melodic, harmonic, and rhythmic dictation. (Laboratory for MUSC 1410)

MUSC 1420. Theory II (2 credits) — Prerequisite: MUSC 1410. Continuation of MUSC 1410.

MUSC 1421. Aural Skills II (1 credit) — Prerequisite: MUSC 1411. Continuation of MUSC 1411.

MUSC 1801. Applied Piano Level I (1-2 credits)

MUSC 1811. Applied Winds Level I (1-2 credits)

MUSC 1821. Applied Strings Level I (1-2 credits)

MUSC 1841. Applied Voice Level I (1-2 credits)

MUSC 1851. Applied Percussion Level I (1-2 credits)

MUSC 1871. Applied Guitar Level I (1, 2 credits)

MUSC 1881. Guitar I (Introductory) (1 credit) — A course for beginners as well as those who have some playing experience. Simple lead playing, accompaniment, with emphasis on clarity, smoothness, and rhythm.

MUSC 1882. Guitar II (Intermediate) (1 credit) — An expansion of skills developed in Guitar I. More challenging lead and accompaniment work, plus ensemble playing.

MUSC 2010. Class Piano III (1 credit) — Prerequisite: MUSC 1020. Continuation of MUSC 1020.


MUSC 2120. Country Music (3 credits) — A study of the history of country music. Listening, lecture, and special projects will be used to explore the development of country music, its most important performers, and traditions.

MUSC 2150. American Folk Music (3 credits) — A multi-cultural survey of America’s diverse ethnic and regional traditions of folk music, how they have been revived and popularized in the twentieth century, and their contributions to contemporary popular culture around the world.

MUSC 2410. Theory III (2 credits) — Prerequisite: MUSC 1420. Continuation of Theory I, II. Chromatic harmony and contemporary techniques. Analysis of Romantic and Modern compositions.

MUSC 2411. Aural Skills III (1 credit) — Prerequisite: MUSC 1421. Continuation of Aural Skills I, II.

MUSC 2420. Theory IV (1 credit) — Prerequisite: MUSC 2410. Continuation of MUSC 2410.

MUSC 2421. Aural Skills IV (1 credit) — Prerequisite: MUSC 2411. Continuation of MUSC 2411.
MUSC 2540. Music History Survey (3 credits) — Music from antiquity through 1600.
MUSC 2550. Music History Survey II (3 credits) — Prerequisite: MUSC 2540. Music from 1600 through 1760.

MUSC 2600. String Methods (2 credits) — A survey of string instruments and equipment. Includes playing fundamentals, materials, and teaching techniques.

MUSC 2620. Instrumental Survey (2 credits) — Prerequisite: Vocal and keyboard/vocal music education majors only. A survey of playing and teaching techniques for band and orchestral instruments.

MUSC 2630. Woodwind Methods I (2 credits) — Development of performance skill and teaching knowledge of the clarinet and flute.
MUSC 2631. Woodwind Methods II (1 credit) — Prerequisite: MUSC 2630. Development of performance skill and teaching knowledge of the oboe and bassoon.

MUSC 2660. Brass Methods (2 credits) — Study of the brass instrument family with special emphasis on teaching materials and pedagogical aspects. Instruments included are trumpet, horn, trombone, euphonium, and tuba.
MUSC 2661. Brass Methods II (1 credit) — Prerequisite: MUSC 2660. A continuation of Brass Methods I.

MUSC 2690. Percussion Methods (2 credits) — A survey of percussion instruments and equipment designed for music education majors. Includes playing fundamentals, materials, and teaching techniques.

MUSC 2710. Diction for Singers I (1 credit) — The study of Italian and German diction to develop correct pronunciation and authentic accent for singing.
MUSC 2720. Diction for Singers II (1 credit) — The study of French diction to develop correct pronunciation and authentic accent for singing.

MUSC 2901. Applied Piano Level II (1-2 credits)
MUSC 2911. Applied Winds Level II (1-2 credits)
MUSC 2921. Applied Strings Level II (1-2 credits)
MUSC 2941. Applied Voice Level II (1-2 credits)
MUSC 2951. Applied Percussion Level II (1-2 credits)

MUSC 2989-99. Cooperative Education (1-3, 1-3 credits)
MUSC 3201. Marching Band (2 credits) — Prerequisite: Two semesters of MUSC 1201 and upper-division standing. Open to all students by consultation with instructor. Performs for all home football games and various other university and civic functions, including out-of-town trips. May be repeated for credit.

MUSC 3202. Symphonic Wind Ensemble (1 credit) — Prerequisite: Two semesters of MUSC 1202 and upper-division standing. May be repeated for credit. Open to all students by consultation with instructor. Concert organization which prepares and performs representative traditional and contemporary works for the wind medium. May be repeated for credit.
MUSC 3203. Concert Band (1 credit) — Prerequisite: Two semesters of MUSC 1203 and upper-division standing. Open to all students by consultation with instructor. Concert organization which prepares and performs music of all forms, from classic to popular. May be repeated for credit.

MUSC 3204. Orchestra (1 credit) — Prerequisite: Two semesters of MUSC 1204 and upper-division standing. Admission by permission of instructor. Study and performance of orchestral literature. May be repeated for credit.

MUSC 3206. Chamber Orchestra (1 credit) — Prerequisite: Two semesters of MUSC 1206 and upper-division standing. Admission by consent of instructor. An ensemble for the performance of chamber orchestra literature. May be repeated for credit.

MUSC 3211. Brass Choir (1 credit) — Prerequisite: Two semesters of MUSC 1211 and upper-division standing. Admission by consent of instructor. Study and performance of brass chamber music. May be repeated for credit.

MUSC 3212. Woodwind Ensemble (1 credit) — Prerequisite: Two semesters of MUSC 1212 and upper-division standing. Study and performance of standard chamber music literature suitable for the ability and instrumentation of the ensemble. May be repeated for credit.

MUSC 3213. String Ensemble (1 credit) — Prerequisite: Two semesters of MUSC 1213 and upper-division standing. Admission by consent of instructor. Study and performance of string literature. May be repeated for credit.

MUSC 3214. Percussion Ensemble (1 credit) — Prerequisite: Two semesters of MUSC 1214 and upper-division standing. Admission by consent of instructor. Study and performance of percussion literature. May be repeated for credit.

MUSC 3215. Collegium Musicum (1 credit) — Prerequisite: Two semesters of MUSC 1215 and upper-division standing. Admission by consent of instructor. Study and performance of music in the 13th - 18th centuries on instruments appropriate to the period. May be repeated for credit.

MUSC 3217. Opera Workshop (1 credit) — Prerequisite: Two semesters of MUSC 1217 and upper-division standing. Open to any person interested in singing, coaching, directing, orchestral playing, costuming, set construction, lighting, publicizing, and producing for the public. A practical laboratory approach to the study and presentation of opera. May be repeated for credit.

MUSC 3220. Musical Theatre Practicum (1 credit) — Prerequisite: Two semesters of MUSC 1220 and upper-division standing. Admission by consent of instructor. Open to any person interested in singing, dancing, acting, orchestral playing, costuming, coaching, set construction, and other aspects of theatre. May be repeated for credit.

MUSC 3221. Choir (1 credit) — Prerequisite: Two semesters of MUSC 1221 and upper-division standing. Open to all students by consultation with director of choral activities. Study and performance of accompanied and unaccompanied choral music of all periods. May be repeated for credit.

MUSC 3241. Jazz Singers (1 credit) — Prerequisite: Two semesters of MUSC 1241 and upper-division standing. Open to all students by consultation with director of choral activities. Study and performance of popular styles. May be repeated for credit.

MUSC 3251. Chorale (2 credits) — Prerequisite: Two semesters of MUSC 1251 and upper-division standing. Admission by consent of instructor. Small vocal groups created for performance of various types of ensemble music. May be repeated for credit.

MUSC 3261. Jazz Ensemble (1 credit) — Prerequisite: Two semesters of MUSC 1261 and upper-division standing. Designed to provide ensemble experience for keyboard majors. Students will be assigned to accompany singers or instrumentalists under the supervision of applied music instructors. The accompanists will attend lessons, rehearse outside of lesson times and, play for juries and other performances as assigned. May be repeated for credit.

MUSC 3310. Music Skills for Classroom Teachers (3 credits) — The development of skills necessary for the teaching of music in the elementary classroom, including music reading, playing, and appreciation.

MUSC 3420. Modal Counterpoint (2 credits) — Prerequisite: MUSC 2420, 2421. The study and writing of modal counterpoint style from two voices through major forms.

MUSC 3430. Tonal Counterpoint (2 credits) — Prerequisite: MUSC 2420, 2421. The study and writing of tonal counterpoint style from two-part compositions through major forms.

MUSC 3540. Music History Survey III (3 credits) — Prerequisite: MUSC 2550, 2420. Music from 1760 through circa 1890.

MUSC 3550. Music History Survey IV (3 credits) — Prerequisite: MUSC 1217, 1221. Music from 1890 to the present.

MUSC 3570. Introduction to Conducting (2 credits) — Prerequisite: MUSC 2420, 2421. An introduction to the skills used by conductors of choral and instrumental ensembles.

MUSC 3580. Choral Conducting (2 credits) — Prerequisite: MUSC 3570. Study of choral conducting techniques with practical application in a rehearsal environment.

MUSC 3590. Instrumental Conducting (2 credits) — Prerequisite: MUSC 3570. The controlling and expressive gestures of the conductor of the instrumental ensemble. Interpretation, score study, balance, and conducting styles will be discussed as pertinent to specific repertoire from fundamental technique to advanced practice.

MUSC 3901. Applied Piano Level III (1-2 credits)
MUSC 3911. Applied Winds Level III (1-2 credits)
MUSC 3921. Applied Strings Level III (1-2 credits)
MUSC 3941. Applied Voice Level III (1-2 credits)
MUSC 3951. Applied Percussion Level III (1-2 credits)

MUSC 4470. Composition (2 credits) — Prerequisite: MUSC 2421. Class participation and private conference. Original composition with projects based on student’s degree of skill and advancement. (May be repeated for credit.)
MUSC 4510. The Teaching of Music in the Elementary School (3 credits) — The role of the music teacher in the presentation of music experiences in the elementary school (K-6).

MUSC 4520. The Teaching of Music in the Secondary School (3 credits) — Prerequisite: MUSC 4510. A comprehensive analysis of the secondary choral program, including general music.

MUSC 4570. Marching Band Methods (3 credits) — Survey of marching techniques and systems. Emphasis on the creative approach to the composition of the field band show. Charting techniques, formation analysis, and instrument placement will be practiced.

MUSC 4580. Organization and Administration of Instrumental Music (3 credits) — A detailed study of organization, budget, recruiting, and general administration of the instrumental music program in the schools.

MUSC 4600. Orchestration and Arranging (2 credits) — Prerequisite: MUSC 2420, 2421, piano proficiency. A study of band and orchestra instruments with exercise in scoring for small and large ensembles.

MUSC 4601. Vocal Pedagogy (2 credits) — Prerequisite: MUSC 4600. Experience in arranging music for various vocal groups, including choir, jazz band, and jazz singers.

MUSC 4617/5617. Teaching Beginning Piano (3 credits) — Prerequisite: Level II standing in piano or permission of instructor. Examination of methods and materials used in beginning-level piano instruction of adults and children.

MUSC 4627/5627. Teaching Intermediate Piano (3 credits) — Prerequisite: Level II standing in piano or permission of instructor. Examination, guided instruction, and performance of literature used in intermediate-level piano instruction.

MUSC 4637/5637. Piano Pedagogy Practicum (1 credit) — Prerequisite: Level II standing in piano or permission of instructor. Supervised teaching experience with the beginning piano student. Students will plan, implement, and evaluate instruction. Meets one clock hour per week.

MUSC 4720. Art Song Literature (2 credits) — A survey of solo vocal literature from the 17th century to the present: including French, German, British, and American repertoire.

MUSC 4730. Choral Literature (3 credits) — Survey of important choral works from Renaissance to the present.


MUSC 4810. Introduction to Suzuki Philosophy (2 credits) — Prerequisite: Permission of instructor. This course is an exploration of the historical development of the Suzuki Method, the Suzuki philosophy as it pertains to how children learn, and Suzuki methodology.

MUSC 4820. Suzuki Pedagogy (2 credits) — Prerequisite: Permission of the instructor. This course develops performance skills and pedagogical understanding of the sequential Suzuki repertoire. Observations of Suzuki lessons and classes are included in the field work for this course.

MUSC 4840. Teaching Practicum I (1 credit) — Prerequisite: MUSC 4820 or equivalent. An introductory experience in teaching the Suzuki Method, operating in a controlled, supervised setting.

MUSC 4850. Teaching Practicum II (1 credit) — Prerequisite: MUSC 4840 or the equivalent. An advanced experience in Suzuki teaching. Involves teaching Suzuki students through the ETSU Suzuki Studies Program.

MUSC 4910. Independent Study (1-3 credits) — Prerequisite: Contract must be on file prior to registration. Contract available in Mathes 100. Individual research, under the direction of a member of the music faculty.

MUSC 4957. Special Topics in Music (1-6 credits)

MUSC 4989-99. Cooperative Education (1-3-1-3 credits)

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

MUSC 5020. History & Philosophy of Music Education (3 credits)

MUSC 5030. Basic Concepts in Music Education (3 credits)

MUSC 5040. Techniques of Research in Music Education (3 credits)

MUSC 5071. Seminar In Off-Schulwerk (3 credits)

MUSC 5072. Seminar In Kodaly Concepts (3 credits)

MUSC 5073. Seminar in Jaques-Dalcroze (3 credits)

MUSC 5110. Theory Practicum (3 credits)

MUSC 5120. Theory Pedagogy I (3 credits)

MUSC 5210. Seminar in the History of Instrumental Music (3 credits)

MUSC 5220. Seminar in the History of Vocal Music (3 credits)

MUSC 5310. Advanced Methods & Materials of Choral Art (3 credits)

MUSC 5330. Advanced Choral Conducting (3 credits)

MUSC 5340. Seminar in Instrumental Music Education (3 credits)

MUSC 5350. Advance Instrumental Conducting (3 credits)

MUSC 5500. Graduate Applied Music (1 credit)

MUSC 5510. Secondary Applied Music (1 credit)

MUSC 5520. Graduate Ensemble (1 credit)

MUSC 5617. Teaching Beginning Piano (3 credits)

MUSC 5627. Teaching Intermediate Piano (3 credits)

MUSC 5810. Suzuki Philosophy (2 credits)

MUSC 5820. Suzuki Pedagogy (2 credits)

MUSC 5830. Administration of Suzuki Programs (2 credits)

MUSC 5840. Teaching Practicum I (1 credit)

MUSC 5850. Teaching Practicum II (1 credit)

MUSC 5860. Introduction to Suzuki in the School (2 credits)

MUSC 5960. Thesis (3 credits)

MUSC 5990. Readings and Research (1-3 credits)

Department of Physical Education, Exercise and Sport Sciences

PEXS/PHED

Physical Education

Activity Course Requirements

University regulations require each student to complete two courses in the physical education basic instruction program or an approved equivalent. University-approved equivalents include Marching Band (2 semesters) and MSCI 2130 (Mountaineering) = Lifetime Activity and MSCI 1217 (PT) = Fitness Activity. These courses should be completed during the freshman and sophomore years and are selected from departmental offerings listed under Physical Education Fitness and Lifetime Activities. Major and minor courses may not be substituted for activity courses without permission.

Students with disabilities may be eligible to enroll in PHED 2600, Adapted Physical Education. Approval for students physically unable to take any PHED activity course and wishing to enroll in PHED 2600, must come from the university physician in conjunction with Dr. Tom Coates (423/439-5261).

Students must select one course from the fitness activities category and one course from the lifetime activities category list below, to meet the two-course graduation requirement.

FITNESS ACTIVITIES

PHED 1115. Aerobic Dance (1 credit) — Aerobic Dance is exercise to music. The purpose is to develop a healthy lifestyle, develop and maintain aerobic fitness, and understand the fundamentals of aerobic conditioning.
PHED 2200. Archery (1 credit) — This course is designed to give students the rudimentary skills in shooting a bow and arrow, including skills, and knowledge of rules and strategies.

PHED 2210. Badminton (1 credit) — Students will be introduced to the fundamentals of badminton and learn to use the basic strokes of the serve (short and long) drive and clear strokes (forehand and backhand) to play a match. Students will learn proper court positions for executing these strokes and effective movement and court coverage. Some attention will be given to badminton terminology, etiquette and match procedures so that students can conduct matches properly.

PHED 2215. Basketball (1 credit) — This course is designed to help students develop rudimentary skills in basketball such as dribbling, passing, shooting, and the development of offensive and defensive strategies.

PHED 2225. Bowling (1 credit) — Students will learn beginning bowling skills, rules and strategies required to enjoy recreational bowling. (There is an extra fee associated with this course.)

PHED 2230. Fencing (1 credit) — Designed to allow students to develop fundamental skills in foil fencing. Students will learn the mechanics and strategies of fencing as well as develop elementary judging skills. (Foils, jackets, and masks are provided.)

PHED 2235. Golf (1 credit) — This course will present the history, rules, skills and techniques of golf. Students will learn fundamental golf skills (driving, pitching, chipping, and putting) throughout the semester and should be able to execute these skills at a proficient level through practice and individual play.

PHED 2250. Lacrosse (1 credit) — Designed to provide students with the fundamental skills and strategies of lacrosse. Students will actually use STX ball equipment to simulate the game of lacrosse.

PHED 2255. Racquetball (1 credit) — This course will present the history, rules, skills, and techniques of racquetball. The student will develop racquetball skills throughout the semester and should be able to execute these skills at a proficient level through practice and tournament play.

PHED 2260. Softball (1 credit) — This course is designed to give students a foundation of fundamental skills and knowledge related to the game of slow-pitch softball.

PHED 2265. Soccer (1 credit) — This is a course designed to give students a foundation of fundamental skills and knowledge related to the game of soccer.

PHED 2270. Tennis (1 credit) — Students will be introduced to the fundamentals of tennis and learn to use basic strokes of the serve, return of serve, and ground strokes (forehand and backhand) to play a match. Students will learn proper court positions for executing these strokes and effective movement and court coverage. Some attention will be given to tennis terminology, etiquette, and match procedures so that students can conduct matches properly.

PHED 2275. Advanced Tennis (1 credit) — This course will present advanced tennis skills. Students will learn advanced strategies and rules for playing tennis. (Prerequisite: beginning tennis or display of tennis skills.)

PHED 2280. Volleyball (1 credit) — Knowledge, skills, and methods of power volleyball activities are taught. Emphasis will be placed on rules and beginning skills.

PHED 2305. Karate (1 credit) — History, knowledge, skills, and strategy involved in the study of classical karate and self-defense. Special emphasis will be placed on skills and strategy. (An extra fee is charged for this course.)

PHED 2310. Judo (1 credit) — This course is designed to introduce Kodokan Judo in a traditional manner. Basic throws, choking, and blocking techniques will be taught. Training methods, ranking, protocol, and contest rules of the International Judo Federation will be used throughout the course. (An extra fee is charged for this course.)

PHED 2315. Self-Defense (1 credit) — Basic strategies and skills used in self-defense. Special emphasis will be placed on developing a proper attitude toward self-defense and preventive measures in avoiding confrontations, as well as initiating self-defense techniques for escape. (An extra fee is charged for this course.)

PHED 2400. Beginning Swimming (1 credit) — The purpose of this course is for students to learn beginning swimming skills and any additional swimming skills that can be completed during the semester.

PHED 2410. Advanced Swimming (1 credit) — This course will present advanced swimming skills primarily in the form of stroke work. The primary strokes taught will be the front crawl, breast stroke, side stroke, butterfly, and elementary back stroke. Pre-lifeguarding skills will also be developed. (Prerequisite: beginning swimming or display of swimming skills.)
PHED 2420. Lifeguarding (2 credit) — This course is designed to provide students with the skills and knowledge to meet certification requirements of the American Red Cross.

PHED 2430. Water Safety Instructor (3 credits) — This course is designed to fulfill the requirements of the American Red Cross for certification as a swimming instructor.

PHED 2440. Scuba (1 credit) — The scuba course is designed to provide basic instruction in snorkeling and scuba diving. This course will lead to open water certification following the satisfactory completion of the written examination and checkout dive in open water. Certification is optional. (An additional fee and equipment are required for this course.)

PHED 2505. Camping and Canoeing (2 credit) — Designed to provide the students with camping and canoeing knowledge and skills through practical experience. Includes types of camping equipment, improvised equipment, and outdoor cooking. (Extra fee for camping and food. Taught only during pre-summer.)

PHED 2510. Horseback Riding/Equitation (1 credit) — General riding and equestrian skills are taught at the riding stables in Jonesborough, Tenn. (There is an additional fee associated with this course.)

PHED 2515. Marksmanship (1 credit) — A study and application of the basic fundamentals of rifle and pistol marksmanship, to include safety. Students must supply their own ammunition.

PHED 2520. River Rafting (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy river rafting as a recreational lifetime activity. Special emphasis will be given to the development of sound fundamental knowledge and skills such as paddling and steering techniques, selection, care and use of equipment, personal safety skills, and reading white water. Due to the nature of this course, all students will be required to make class field trips to rivers in the surrounding area.

PHED 2525. Rock Climbing (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy rock climbing and rappelling. Special emphasis will be given to the development of sound fundamental knowledge and skills, such as knots and their uses, understanding the belay system, selection, care and use of equipment, and basic rock climbing and rappelling techniques. Due to the nature of this course, all students will be required to make class field trips to different locations in the surrounding area.

PHED 2530. Mountain Biking (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy mountain biking as a lifetime activity. Special emphasis will be given to the development of sound fundamental knowledge and skills such as selection, care and use of equipment, solo and tandem paddling techniques, transporting a canoe, personal safety skills, and reading moving water. Due to the nature of this course, all students will be required to make class field trips to different trail and mountain biking locations in the surrounding area.

PHED 2535. Canoeing (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy canoeing as a lifetime activity. Special emphasis will be given to the development of sound fundamental knowledge and skills such as selection, care and use of equipment, both solo and tandem paddling techniques, transporting a canoe, personal safety skills, and reading moving water. Due to the nature of this course, all students will be required to make class field trips to different lakes and rivers in the surrounding area.

PHED 2540. Snowboarding (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy snowboarding as a lifetime activity. Special emphasis will be given to the development of sound fundamental knowledge and skills such as selection, care and use of equipment. Due to the nature of this course, all students will be required to make class field trips to different snowboarding sites in the surrounding area.

PHED 2545. Skiing (1 credit) — A practical learning experience dealing with snow skiing. Students take lessons from a certified ski instructor through the French Swiss Ski School in Blowing Rock, N.C. Students have an opportunity to ski different slopes in N.C. (There is an additional fee associated with this course.)

PHED 2550. Orienteering (1 credit) — Orienteering is an outdoor activity in which the participant utilizes the skills of topographic map reading and following directions by compass or other means to navigate over unfamiliar terrain. The skills of orienteering can be used to enjoy many outdoor pursuits such as camping, backpacking, hiking, cross-country skiing, fishing, and hunting, or the “sport” of orienteering.

PHED 2553. Backpacking (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy backpacking as a recreational lifetime activity. Special emphasis will be given to the development of sound fundamental knowledge and skills such as selection, care and use of backpacking equipment, tents and their uses, fire building and cooking, menu and trip planning, personal safety skills, and backpacking with environmental awareness. Due to the nature of this course, all students will be required to make class field trips.

PHED 2555. Outdoor Living Skills (1 credit) — This course is designed to provide students with the knowledge and skills needed to participate in and enjoy outdoor living as a recreational lifetime activity. Special emphasis will be given to the development of sound fundamental knowledge and skills, such as selection, care and use of equipment, tenting, fire building and cooking, menu and trip planning, personal safety skills, and camping with environmental awareness. Due to the nature of this course, all students will be required to make class field trips.

PHED 2600. Adapted Physical Education (2 credits) — Restricted to students with a disability who are unable to successfully and safely participate in the regular physical education activity classes. Admission based on referral from the University Physicin to Dr. Tom Coates.

Physical Education, Exercise, and Sport Sciences

Major-Minor Courses

PEXS 2701. Aquatics (1 credit) — Knowledge, skills, and methods of basic water safety, survival, and rescue techniques.

PEXS 2900. Orientation to Physical Education (1 credit) — This course is designed as an introduction to the discipline of physical education.

PEXS 2950. Disaster Response Training (3 credits) — Prerequisite: Completion of PUBL 2030 or permission of instructor. This course will introduce students to service-learning and leadership through the Disaster Response Training program of the American Red Cross. Service projects selected to enhance the classroom components of this course will be required and, if such an event should arise during the course, an opportunity to respond to an actual emergency or disaster will also be included. Students completing this course will be eligible to serve as members of the RESPONSE - ETSU cadre and as American Red Cross Disaster Response Volunteers.

PEXS 2955. Care and Prevention of Athletic Injuries (3 credits) — Basic principles in the prevention, recognition, and care of athletic injuries are presented. Students will also learn the duties of an athletic trainer and sports medicine team. $20 lab fee required.

PEXS 3000. Physical Education Programs for the Elementary Schools (3 credits) — Study of the curricular content of the elementary school physical education program which includes components relating to the development of physical fitness, perceptual motor skills, rhythmic movement education, and educational game activities. This course is for students in elementary education programs. Field experience is required.

PEXS 3005. Instructional Delivery Techniques for Movement. (3 credits) — Prerequisite: PEXS 2900. The purpose of this course is to assist prospective teachers and movement instructors in acquiring the fundamental knowledge and skills needed to promote learning. Opportunities will be provided for students to learn and practice the essential skills of effective instruction and delivery. Instruction will be provided to assist students in developing the skills of reflective thinking, problem solving, and working with individuals with different cultural perspectives.

PEXS 3008. Honors Service-Learning (1 credit) — Prerequisite: Admission to the College of Education’s honors program and HDAL 2008. Honors service-learning in social/cultural agencies and programs related to education.

PEXS 3021. Theory and Techniques of Coaching Tennis (2 credits) — An introduction to the organization and administration of a tennis team.

PEXS 3022. Theory and Techniques of Coaching Track and Field (2 credits) — Theory and practice of the techniques involved in coaching track and field.

PEXS 3032. Psychomotor Development in Children (3 credits) — This course will provide instruction in the psychomotor development of children, with special consideration for capabilities, diagnostic tests, and perceptual-motor programs. Field experience is required.
PEXS 3060. Natural Resource Management (3 credits) — A course of study focusing on the administration of recreational lands by state and federal agencies with emphasis on management policies and procedures. This course will include service-learning experiences involving travel to and volunteer work with federal and state land management agencies.

PEXS 3061. Theory and Techniques of Coaching Basketball (2 credits) — Theory and practice in the coaching of basketball. Emphasis will be placed on coaching philosophies, fundamental skills, and offensive and defensive strategies.

PEXS 3062. Theory and Techniques of Coaching Volleyball (2 credits) — Theory and practice in coaching fundamentals of power volleyball. Emphasis will be on coaching philosophies, basic skills, and strategies.

PEXS 3071. Theory and Techniques of Coaching Football (2 credits) — Theory and practice in the coaching of football. Emphasis will be on coaching philosophies, fundamentals, psychology, and strategies.

PEXS 3072. Theory and Techniques of Coaching Baseball (2 credits) — Theory and practice in coaching fundamentals of baseball. Emphasis will be placed on coaching philosophies, basic skills, and strategies.

PEXS 3080. Teaching Aerobic Conditioning (3 credits) — Includes the theory and teaching techniques of the principles of aerobic fitness as they relate to exercise to music (aerobic dance), exercise in water (aqua fitness), and jogging/running. These components will be incorporated into a conditioning program designed to bring improvement in health relative to flexibility, body composition, and cardiovascular endurance. 

PEXS 3085. Teaching Rhythms and Dance (3 credits) — This course will present a broad base of information as it relates to fundamental movement skills, teaching techniques and vocabulary basic to elementary rhythmic activities. Folk, square, clogging, ballroom, modern, jazz, ballet, and currently popular dances will be presented. Some background in the history, philosophy, and choreography of dance will be included.

PEXS 3095. Teaching Sports Skills (3 credits) — The purpose of this course is to teach students performance and instructional skills for selected individual, dual, and team sports.

PEXS 3410. Implementing Technology in PEXS (3 credits) — A course designed to support student growth in computer technology as it relates to the professional field of sport and leisure management. Specific technology covered in this course will include spreadsheet development and management, discipline specific computer programs for program management and scheduling, Powerpoint presentations, web page development and maintenance, and Blackboard online discussion forum.

♦ PEXS 3500. Dance as a Human Experience (3 credits) — This course involves the study of dance as a societal phenomenon. Students will examine the unique characteristics of dance and its various functions in society. Emphasis will be on dance in Western Civilization, however materials will be included to the extent that they have influence the development of dance in the West.

PEXS 3510. Foundations of Physical Education (3 credits) — Prerequisite: PEXS 2900. This course is designed as an introduction to the historical, philosophical and sociological foundations of physical education and sport.

PEXS 3610. Exercise Physiology I (3 credits) — Prerequisite: HSCI 3000 and 3020. The study of the physiological responses and adaptations of the human body to exercise and training.

PEXS 3655. Sports Nutrition (3 credits) — Prerequisite: AHSC 2420. This course is designed to provide a student with the most current information for understanding how to enhance athletic performance with proper nutrition. Students will understand how to develop nutritionally sound diets for endurance, speed, and strength-related activities. In addition, special nutritional needs will also be discussed (e.g., gaining muscle mass or lowering body fat content).

PEXS 3700. Elementary Physical Education I - Preschool–Second Grade (4 credits) — Prerequisite: PEXS 3005, 3032 and admission to teacher education. This course is designed to provide instruction and experiences in the program content, teaching methods, and learning styles for a developmentally appropriate physical education program for children, ages 3 to 8 years old. Emphasis is placed on movement education, rhythm, dance, body management, fundamental motor skills, and fitness/wellness appropriate to the preschool, kindergarten, first, and second grade child. Field experience is required.

PEXS 3710. Elementary Physical Education II: Third-Sixth Grade (4 credits) — Prerequisite: PEXS 3005, 3032, 3700 and admission to teacher education. This course is designed to provide instruction and experiences in the program content, teaching methods, and learning styles for a developmentally appropriate physical education program for children, ages 8 through 12 years old. Emphasis is placed on rhythm, dance, body management, fundamental motor skills, and fitness/wellness appropriate to the third- and sixth-grade child. Field experience is required.

PEXS 3850. Scientific Basis of Human Performance (4 credits) — Prerequisite: HSCI 2010/2011 or HSCI 2020/2021. This course is designed to provide a student with an understanding of the scientific principles of human performance. Students will learn how training and detraining affect various aspects of an individual's physiological, biochemical, and mechanical applied performance attributes.

PEXS 4060. Measurement and Evaluation in Physical Education (3 credits) — A course designed to acquaint future teachers with techniques of evaluating and measuring the process of physical education and the psychomotor, cognitive, and affective domains of the student.

PEXS 4061. Exercise Fitness Testing (3 credits) — Prerequisite: PEXS 3610. The purpose of this course is to provide knowledge in exercise testing and prescription for healthy populations. Students will develop the skills and technical procedures necessary in the training of exercise fitness technologists. Hands-on experience will be available in the following: underwater weighing exercise VO2, treadmill cycle, and other laboratory tests and equipment.

PEXS 4150. Special Olympics Coaching (3 credits) — Designed to provide students with the knowledge and skills necessary to apply for coaching certification through Special Olympics International, Inc. in the areas of bowling, aquatics, and athletics. Approximately one-third of the course will be a field experience working with Special Olympic athletes.

PEXS 4220. Internship in Sport Management and Leisure Services (6 credits) — Prerequisite: PEXS 3210, 3211, 3212. This course will give the student the opportunity to put theory into practice. Students will work in a sport management or leisure service agency for forty credits per week (minimum of 400 clock credits) for an entire semester. Students will be consulted as to the sport management or leisure service agency desired for the internship experience.

PEXS 4250. Physical Education Activities for Atypical Populations (3 credits) — Prerequisite: PEXS 3005, 3032. A study of the legal, medical, and educational bases for physical activity programs for individuals with disabilities, with emphasis on evaluation, placement, and instruction. Field experience is required.

PEXS 4270. Structural Kinesiology (3 credits) — Prerequisite: Anatomy and Physiology (1210/1211 and 1220/1221 or equivalent); physics recommended. An introduction to the study of the anatomical bases of human movement, with emphasis on bone growth and development, joint structure and movement potential, and musculoskeletal involvement during movement.

PEXS 4271. Mechanical Kinesiology (3 credits) — Prerequisite: PEXS 4270; HSCI 2010/2011; HSCI 2020/2021; General Physics is recommended. An introduction to the study of the biomechanics of human movement, with emphasis on sports industry, and activities of daily living. Course content includes the application of principles of physics and engineering to movement, including the kinematic and analyses of movement.

PEXS 4467/5467. Metabolic Aspects of Nutrition and Exercise in Disease. (3 credits) — Prerequisite: AHSC 4240 and PEXS 3610. This course is designed to provide an in-depth investigation of the physiologically and metabolically related aspects of exercise and nutrition in the prevention and treatment of metabolic diseases. Students will also learn the scientific basis of how specific health intervention strategies affect these diseases mechanistically from a pathological perspective.

PEXS 4600. Athletic Coaching Practicum (3 credits) — Prerequisite: PEXS 3005, 3008 & 3011. See department. Provides the student with the opportunity to be actively involved in a middle, junior high, or secondary coaching experience. Includes the application of theoretical knowledge to practical situations.

PEXS 4620. Exercise Physiology II (3 credits) — Prerequisite: BIOL 1110 & 1111, CHEM 1310 & 1311, CHEM 1320 & 1321, HSCI 3000 & 3020, PEXS 3610. This course presents a foundation for understanding the underlying mechanisms behind the physiological and biochemical acute responses to exercise and also discusses the long-term physiological and biochemical adaptations to exercise.
PEXS 4630. Exercise Science/Wellness Internship (12 credits) — Prerequisite: Completion of all required coursework prior to beginning the internship experience and maintain an average grade of C+ in the following classes: PEXS 3080, 3610, 4061, 4467, 4620, and 4977. This course is designed to provide students with an actual worksite experience in the areas of exercise science and/or wellness promotion.

PEXS 4650. Strategies in Developing Wellness Programs (3 credits) — Prerequisite: PEXS 3650. This course was designed to provide students with an opportunity to evaluate current wellness program strategies at the educational (K-12 initiatives), university, community, corporate, and clinical setting.

PEXS 4700. Secondary Physical Education I: Lifetime Wellness (4 credits) — Prerequisite: PEXS 2955, 3005, 3032, 3080 and admission to Teacher Education. This course provides students with content knowledge and pedagogical skills necessary to teach lifetime wellness in the secondary school. Field experience is required.

PEXS 4710. Secondary Physical Education II: The Middle School (4 credits) — Prerequisites: PEXS 3005, 3032, 3080, 3095, and 4700, and admission to teacher education. This course is designed to provide content knowledge and methodological skill necessary for the physical education specialist to develop and implement a physical education curriculum for the middle setting. Emphasis will be placed on sport and physical fitness activities that are developmentally appropriate for middle school. Field experience is required.

PEXS 4977/5977. Exercise Management for Persons with Chronic Diseases and Disabilities (3 credits) — Prerequisite: PEXS 3610. This course will examine chronic diseases and disabilities that occur in many individuals. It is oriented toward understanding the disease, the effects exercise may have on the disease, and modifications to general exercise programs. (annually)

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

PEXS 5010. Philosophy and Current Readings (3 credits)
PEXS 5021. Planning & Operating Facilities in Physical Education, Fitness and Sports (3 credits)
PEXS 5032. Motor Development Assessment and Programming (3 credits)
PEXS 5040. Principles of Motor Learning (3 credits)
PEXS 5110. Curriculum Development (3 credits)
PEXS 5420. Systematic Observation & Analysis (3 credits)
PEXS 5430. Administration of Physical Education and Athletics (3 credits)
PEXS 5440. Pedagogy (3 credits)
PEXS 5450. Advanced Adapted Physical Education, Sport and Leisure Activity (3 credits)
PEXS 5460. Inclusion in Physical Education (3 credits)
PEXS 5510. Data Analysis and Interpretation in Sport and Human Performance (3 credits)
PEXS 5520. Instrumentation in Exercise Physiology (3 credits)
PEXS 5530. The Financing of Sport (3 credits)
PEXS 5540. Graded Exercise Testing (3 credits)
PEXS 5561. Advanced Exercise Physiology I (3 credits)
PEXS 5562. Advanced Exercise Physiology II (3 credits)
PEXS 5563. Biomechanics (3 credits)
PEXS 5565. Advanced Concepts in Wellness (3 credits)
PEXS 5566. Sports Nutrition and Ergogenic Aids (3 credits)
PEXS 5567. Sports Conditioning and Training (3 credits)
PEXS 5570. Critical Analysis of Research in Exercise Science (3 credits)
PEXS 5580. Promoting Well-being for Professionals (3 credits)
PEXS 5590. Internship in Exercise Physiology (3 credits)

Philosophy

PHIL 1030. Self and World (3 credits) — An introduction to some central philosophical problems concerning free will, the self, science, and reality.

PHIL 2020. Values and Society (3 credits) — An introduction to some central philosophical problems concerning morality, freedom, and political authority.

PHIL 2030. Practical Reasoning (3 credits) — An introductory study of formal and informal reasoning in practical contexts (editorials, speeches, advertising, etc.); also includes a study of syllogistic reasoning, the scientific method, definition, and clear writing.

PHIL 2040. Philosophy as Conversation (3 credits) — An introduction to philosophy as self-examination. Focus on discussion of the beliefs and values of the students in the class.

PHIL 2210. Introduction to the Study of Religion (3 credits) — A comparative and historical introduction to the world’s ways of being religious.


PHIL 3010. History of Ancient Philosophy (3 credits) — The development of Western philosophy in the Greek world from the pre-Socratic philosophers to Plotinus. Major emphasis on Socrates, Plato, and Aristotle.

PHIL 3030. History of Modern Philosophy (3 credits) — An examination of European philosophical thought from approximately 1600 to 1850. Figures to be studied include Descartes, Spinoza, Locke, Hume, and Kant.

PHIL 3050. Symbolic Logic (3 credits) — Introduction to modern logic. This course explores the formal nature of language and reasoning. Propositional logic, predicate logic, and related topics.

PHIL 3061-62-63. Philosophy Colloquium (1-3, 1-3, 1-3 credits) — Each semester some important issue, movement, or person of philosophical concern will be studied. May be repeated for up to nine credits.

PHIL 3110. Philosophies of Feminism (3 credits) — Examination of the major forms of feminist theory and also the role, functions and limitations of theory in addressing gender-related issues.

PHIL 3120. Existentialism (3 credits) — Studies in 19th and 20th century existentialism with special emphasis upon its literary expression. Philosophers and writers include Kierkegaard, Ibsen, Dostoevsky, Buber, Marcel, Camus, and Sartre.

PHIL 3130. American Political Thought (3 credits) — An examination of various themes in American political thought using the writings of contemporary thinkers as well as sources drawn from the past. (Same as Political Science 3130.)

PHIL 3140. Environmental Philosophy (3 credits) — Examines the philosophical issues – ethical, metaphysical and epistemological – involved in contemporary discussions of environmental issues. Widely differing approaches will be considered in order to better understand the conflicting interests and values involved in environmental decision-making.

PHIL 3160. Native American Thinking (3 credits) — Drawing on the philosophical/religious perspectives of the Lakota, Hopi, Navaho, Nootka, Cherokee, and other native American tribes, this course will examine differing notions of time, place and space, motion, identity, and the holy.

PHIL 3220. Western Religions (3 credits) — A study of the religious life of the West, from preliterate societies and classical civilizations of the past through contemporary Judaism, Christianity, and Islam.

PHIL 3230. Eastern Religions (3 credits) — A study of religions whose origins were in the East: Hinduism, Buddhism, Confucianism, Taoism, and Zen.

PHIL 3240. The Hebrew Scriptures (3 credits) — A historical and literary survey of the Hebrew Bible.

PHIL 3250. Greek Scriptures (3 credits) — A historical and literary survey of the Greek/Christian Scriptures.

PHIL 3261-62-63. Religion Colloquium (1-3, 1-3, 1-3 credits) — Some issue, movement, or person of importance to the study of religion will be selected for the topic. May be repeated for up to nine credits.

PHIL 4017/5017. Ethical Theory (3 credits) — History of ethics from ancient Greece to the present. Special emphasis on the theories of Aristotle, Kant, and Mill.

PHIL 4027/5027. Contemporary Philosophy (4 credits) — A survey of developments in European and American philosophy from the mid-19th century to the present.
PHIL 4047/5047. Philosophy of Religion (3 credits) — An examination of classical and contemporary discussions of philosophical issues about religion, including the nature of God, of human beings, and of religious truth, and contemporary discussions of religion and atheism.

PHIL 4057/5057. Philosophy of Art (3 credits) — An introduction to philosophical issues that arise in our attempts to understand the creation, appreciation, and criticism of the various literary, plastic, and performing arts.

PHIL 4067/5067. Philosophy in Literature (3 credits) — An examination of philosophical issues as they appear in the world’s literature, including poetry, fiction, and essays.

PHIL 4107/5107. Classical Political Philosophy (3 credits) — An examination of the classical tradition in political thought with emphasis on reading the works of Plato and Aristotle as well as those of later representatives of this tradition.

PHIL 4127/5127. Modern Political Philosophy (3 credits) — An examination of modern political thought with emphasis on the Social Contact theories of Hobbes, Locke, and Rousseau and the Utilitarianism of Bentham, Mill, and others.

PHIL 4137/5137. Marxism (3 credits) — A study of the basic ideas of Marx and his contemporary interpreters in Eastern Europe, Asia, and the Third World.

PHIL 4140. Topic in Political Philosophy (3 credits) — An examination of selected topics in political philosophy chosen by the professor. May be taken more than once, provided that the content of the course significantly varies from previous offerings.

PHIL 4220. Contemporary Religious Thought (3 credits) — A survey of developments in religious thought from the mid-19th century to the present.

PHIL 4900. Independent Studies in Philosophy (1-3 credits)

PHIL 4917/5917. Philosophy of the Biological and Biomedical Sciences (3 credits) — Topics of philosophical and theoretical interest generated by the biological and biomedical sciences. Includes consideration of the broader social and cultural implications of biological and biomedical theory.

PHIL 4920. Independent Studies in Religion (1-3 credits)

PHIL 4950. Senior Seminar (1-3 credits)

PHIL 4957/5957. Special Topics in Philosophy (1-6 credits) — Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

PHIL 5900. Independent Study (1-3 credits)

Physics

PHYS

Note: See Astronomy (ASTR) for listing of astronomy courses.

♦ PHYS 1030. Introduction to Physics Survey (4 credits) — Presents an interdisciplinary approach to the physical sciences with a concentration in physics. Relates the role of science to the daily activities of an educated person. Three credits lecture, one credit demonstration/discussion each week. Not open to students who have any previous college credit in any of the physical sciences.

♦ PHYS 2010-20. General Physics I, II- Noncalculus (3,3 credits) — Prerequisite: Mathematics 1720 or equivalent. A survey of the topics in classical physics intended primarily for students in preprofessional curricula and majors in various engineering technology concentrations. (Engineering transfer students should take Physics 2110-2120.) Topics include mechanics, thermodynamics, waves, electricity and magnetism, and geometrical optics. Good working knowledge of algebra and trigonometry is assumed; heavy emphasis on solutions to numerical problems. 2010-20 should be taken in sequence. (Many curricula require a laboratory course in physics. Students in these curricula must also take 2011-21, General Physics Laboratory I, II) Three one-credit lectures each week.

♦ PHYS 2011-21. General Physics Laboratory - Noncalculus I, II (1,1 credit) — Experiments dealing with the basic laws of physics, designed to reinforce and supplement concepts learned in general physics. One two-credit lab session each week.

PHYS 2110-20. Technical Physics I, II - Calculus Based (5,5 credits) — Prerequisite: One semester of calculus. A survey of physics for students majoring in technical fields such as physics, chemistry, engineering, etc. Also intended for preprofessional students (pre-med, pre-dentistry, etc.) who desire a stronger preparation for professional school. Three one-credit lectures and three credits of laboratory/recitation each week.

PHYS 3010. Mechanics (4 credits) — Prerequisites: PHYS 2110-2120. Statics and dynamics of particles and systems of particles. An introduction to Lagrangian and Hamiltonian formulations of Newtonian mechanics. Three one-credit lectures and one two-credit recitation session each week.

PHYS 3110. Thermodynamics (3 credits) — Prerequisites: PHYS 2110-2120. Classical approach to the first and second laws of the thermodynamics; Maxwell's relations and selected applications. Three one-credit lectures each week.

PHYS 3210. Optics (4 credits) — Prerequisites: PHYS 2110-2120. Geometrical optics including reflection, refraction, dispersion, thin and thick lenses, optical instruments. Physical optics including electromagnetic character of light, interference, diffraction, polarization, and related topics. Three one-credit lectures and one three-credit lab session, or equivalent, each week.

PHYS 3310. Electrical Measurements (4 credits) — Prerequisites: PHYS 2110-2120. Basic electrical measurements, fundamentals of electronic circuits, with applications to devices of special interest. Two one-credit lectures and two two-credit lab sessions, or equivalent, each week.

PHYS 3510. Introduction to Biophysics (3 credits) — Prerequisites: PHYS 2010-2020 or 2110-2120. Underlying principles of physics used to explore and explain biological systems. Techniques discussed include energetics, X-ray analysis, absorption spectroscopy, etc. applied to cellular processes. Three one-credit lectures, or equivalent, each week.

PHYS 3610. Introduction to Atomic and Nuclear Physics (3 credits) — Prerequisite: PHYS 2110-2120. A semi-quantitative introduction to the physics of the atom and its nuclear constituent parts of atoms, atomic transmutation, nuclear fission and fusion, and related topics. Three one-credit lectures each week.

PHYS 3710. Electricity and Magnetism (4 credits) — Prerequisites: PHYS 2110-2120. An intermediate-level course in electromagnetism: electrostatics, dielectrics, magnetic materials and effects, development of Maxwell's equations. Three one-credit lectures and one two-credit recitations/laboratory session each week.

PHYS 4007/5007. Computational Physics (3 credits) — Prerequisite: PHYS 2110-2120 or MATH 3200 or permission of instructor. This course is designed to cover techniques used in modeling physical systems numerically. Topics include data fitting, error analysis, numerical differentiation and integration, techniques to solve systems of linear equations, ODEs, and PDEs; oscillatory motion and Fourier analysis; and random systems. Prior computer programming experience is desirable but not mandatory.

PHYS 4117/5117. Kinetic and Statistical Physics (4 credits) — Prerequisite: PHYS 3110 and senior standing or permission of instructor. Kinetic theory of an ideal gas, equations of state, distribution of molecular velocities, principles of statistical mechanics, transport phenomena, applications of Boltzmann, Fermi-Dirac, and Bose-Einstein statistics. Three one-credit lectures and one one-credit recitation session each week.

PHYS 4617/5617. Quantum Physics (4 credits) — Prerequisites: PHYS 3610 and senior standing or permission of the instructor. An introduction to quantum theory and nonrelativistic quantum mechanics. Historical development of ideas which led to present-day theories. Schroedinger's equation and applications, approximation methods, matrix methods, and related topics. Three one-credit lectures and one two-credit recitation session each week.

PHYS 4717/5717. Electromagnetic Theory (4 credits) — Prerequisite: PHYS 3710. Principles of electromagnetic theory, Maxwell's equations, selected applications, and related topics. Three one-credit lectures and one two-credit recitation session each week.

PHYS 4850. Seminar in Physics (1 credit) — A weekly two-credit session devoted to current research and/or teaching activities, and other topics of departmental interest. Attendance expected of physics majors. May be taken for credit twice provided student is active contributor to programs.

PHYS 4860. Special Topics in Physics (1-3 credits) — Study of a topic of interest to faculty and undergraduate students. May be repeated for credit (up to a maximum of four credits) provided subject matter is not duplicated.

PHYS 4900. Independent Studies (1-3 credits) — Prerequisite: Prior acceptance by a faculty research advisor. Independent investigation of a problem of interest to the student, under the guidance of a faculty research advisor. May be repeated (up to a maximum of four credits) provided subject matter is not duplicated.
Physical Therapy

PHYT

PHYT 1000. Academic Advantage (2 credits) — This course helps the first-year student make the transition to the university, develop a better understanding of the learning process, and enhance essential academic skills. The course provides a support group for students in a critical transitional year by examining problems and issues common to the first year of college. Elective credit only; does not apply toward the major or minor requirement.

PHYT 2000. Introduction to Physical Therapy (2 credits) — This course will provide the student interested in physical therapy with an overview of the profession and the opportunities, problems, and realities thereof. Students will learn how their college experiences transfer to the working world and will engage in self-assessment and reflection designed to help the student determine if physical therapy is a good career match.

Professional Roles/Mental Health Nursing

PMNU

PMNU 1010. Orientation to College Life and Nursing as a Major (1 credit) — This course is designed to help the beginning student learn about nursing as a career choice. Journaling and other learning activities will help the student develop skills which lead to positive experiences and success at the university. (Elective)

PMNU 1015. Survey of Health Care Professionals (2 credits) — This course is an overview of the health care team. Interdisciplinary guest speakers and/or health care facility tours included. Students will have the opportunity to interact directly with a variety of health care professionals. Basic background information of interest to all health-related majors or those considering a major in health disciplines is provided. (Elective)

PMNU 2020. Introduction to Professional Nursing (3 credits) — Prerequisite: Admission to the nursing major or permission of the department. Pre-Co-requisite: PMNU 2310. This course is designed to introduce the characteristics of the nursing profession, health care delivery systems, nursing history, process and roles, and to introduce theory, practice, and research concepts. The nursing process and principles that guide practice are explicated.

PMNU 2310. Communication for Health Professionals (2 credits) — This course is designed to introduce health professions students to the characteristics of effective communication and to develop basic competencies in communication with clients and colleagues in multi-disciplinary settings.

PMNU 3010. The Nurse and the Dying Client (3 credits) — Prerequisite: ALNU 3051 or the equivalent. Exploration of implications of loss, grief, dying, and death for nurses and nursing practice. Discussion of the role of the nurse in relation to self-awareness, interpersonal factors, and legal/ethical questions. Study of nursing strategies for simulated and actual clients/families experiencing loss, grief, dying, and death. (Elective)

PMNU 3070. Care of Persons with Behavioral Health Nursing (2 credits) — Prerequisites: Completion of sophomore-level nursing courses. Pre-or-a-requisite: ALNU 3010,3016. Course content focuses on the behavioral health care of persons across the life span emphasizing effective communication, assessment and analysis, planning of nursing strategies, nursing diagnoses, and evaluating outcomes in this client population.

PMNU 3120. Professional Community-Based Nursing (4 credits) — Prerequisite: Admission to the RN-BSN program. Pre-or-a-requisite: CSCI 1100 or equivalent. This course is designed as a transition course for the registered nurse pursuing a baccalaureate degree in nursing.

PMNU/ALNU/FCNU 4008. Honors Mentorship in Nursing (1 credit) — may be taken twice for credit. Prerequisite: Acceptance into the College of Nursing Honors Program. An individualized course in which the student collaborates with a mentor to create a program of learning that supports academic and professional goals.

PMNU 4017/5017. Health Care Informatics (3 credits) — Prerequisite: Permission of the instructor. Current and potential applications of the computer to health care are discussed. These same applications are analyzed for their impact on the client, health care professional, and health care delivery system. Requires access to a computer with a browser that facilitates access to the World Wide Web and a university or private sector electronic mail account.

PMNU/ALNU/FCNU 4018. Nursing Honors Thesis (3 or 6 credits) — Prerequisites: Admission to the College of Nursing Honors Program; Honors Mentorship in Nursing or permission of instructor. An independent course for the senior-level honors student to complete a thesis suitable for presentation. The written paper will demonstrate scholarship, basic understanding of the research process, and relevance to professional trends and issues.

PMNU 4027/5027. Health Care Law (3 credits) — Prerequisite: Junior level or higher. This course focuses on the influence of state and federal laws and ethics on patients, practitioners and practice settings.

PMNU 4030. Nursing Theory and Research (3 credits) — Prerequisite: ALNU 3021, or ALNU 3170 or the equivalent, and MATH 1530. This course introduces the research process, the evolution of nursing theory, and the relationship between research, theory, and nursing practice.

PMNU 4060. Transition to Professional Practice (3 credits) — Prerequisite: PMNU 4030 or permission of the department chair. This course concentrates on theories, research and issues related to leadership, change, and management of nursing practice within the broader context of health care delivery.

PMNU 4061. Senior Practicum (8 credits) — Prerequisite: PMNU 4060. This course is focused on the preparation of the student for transition to professional nursing practice.

PMNU 4062. R.N. Practicum (8 credits) — Prerequisites: PMNU 4060; active license as a registered nurse. This course is focused on the education of the registered nurse for transition to profession nursing practice.

PMNU 4070. Community Behavioral Health Seminar (1 credit) — Prerequisite: PMNU 3051. Course content focuses on the behavioral health care of persons across the life span as clients within a family and as members of the community.

PMNU 4900. Nursing Independent Study, (1-3 credits)

PMNU 4957/5957. Special Topics in Nursing (1-6 credits) — Prerequisite: Permission of the instructor. Special topics related to nursing and health care will be presented. Course may include didactic and experiential methods of instruction. May be repeated for credit if course content is significantly different or advanced.

PMNU/ALNU/FCNU 4989. Cooperative Education in Nursing (3 credits) — Prerequisite: Permission of department chair. This course, with 1-3 credits as arranged, allows the student to spend time in a career-related work experience. Formal agreements are established by the university and the employer to help students accomplish specific educational outcomes. (Elective)

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

PMNU 5000 Conceptual Systems for Advanced Nursing Practice (2 credits)

PMNU 5001 Nursing Research and Design (3 credits)

PMNU 5002 Policy and Ethics in Advanced Nursing Practice (3 credits)

PMNU 5003 Theories and Concepts in Professional Role Development Seminar (1 credit)

PMNU 5004 Seminar in Professional Roles (1 credit)

PMNU 5008 Alternative Health Practices, Theories, and Systems (2 credits)

PMNU 5050 Health Care Accounting and Finance (3 credits)

PMNU 5110/6110 Interdisciplinary Approaches to Bioethical Issues (3 credits)

PMNU 5303 Psychopharmacology (3 credits)

PMNU 5401 Rural Health Issues (3 credits)

PMNU 5402 Behavioral Health Concepts for Adults (3 credits)

PMNU 5403 Behavioral Health Concepts for Adults: Practicum (3 credits)

PMNU 5505 Managing Health Care Organizations (3 credits)

PMNU 5510 Organizational Theory and Nursing Administration (3 credits)

PMNU 5520 Fiscal Management in Nursing Administration (3 credits)

PMNU 5525 Health Services Delivery and Organization (3 credits)

PMNU 5530 Health Care Organization and Law (3 credits)

PMNU 5550 Human Resource Management in Health Care Organizations (3 credits)

PMNU 5560 Nursing Administration Practicum I (2 credits)

PMNU 5570 Nursing Administration Practicum II (2 credits)

PMNU 5590 Strategic Planning for Health Care (3 credits)
East Tennessee State University

PMNU 5900 Independent Study (1-3 credits)
PMNU 5960 Thesis (1-6 credits)
PMNU 5990 Readings and Research (1-3 credits)
PMNU 6000 Theoretical Foundations of Nursing Practice (3 credits)
PMNU 6002 Health Policy Leadership (3 credits)
PMNU 6020 Advanced Data Analysis (4 credits)
PMNU 6040 Qualitative Methods in Nursing Research (3 credits)
PMNU 6100 Philosophy of Nursing Practice (3 credits)
PMNU 6110 Interdisciplinary Approaches to Bioethical Issues (3 credits)
PMNU 6960 Doctoral Dissertation (1-12 credits)
PMNU 6990 Readings and Research (1-3 credits)

Political Science

PSCI 1000. Academic Advantage (2 credits) — This course helps the first-year student make the transition to the university, develop a better understanding of the learning process, and enhance essential academic skills. The course provides a support group for students in a critical transitional year by examining problems and issues common to the first year of college. Elective credit only; does not apply toward the major or minor requirements.

♦ PSCI 1110. Political Life (3 credits) — An encounter through reading, writing, discussion, and other class experiences with the phenomena of political life. Students will be encouraged to confront the orientations, expectations, and action patterns characteristic of situations where human beings attempt to resolve the tension between human needs and social facts.


PSCI 2210. Introduction to Comparative Politics (3 credits) — An introduction to the comparative study of politics, employing a conceptual, or thematic, approach. The politics of selected countries will be examined, focusing on major features such as governmental institutions, political culture and public policy.

PSCI 2220. Introduction to World Politics (3 credits) — An introduction to the major concepts and themes in the study of international politics designed to provide students with analytical tools for understanding problems and issues in international security, organization and political economy.

PSCI 2610. Introduction to Public Administration (3 credits) — Introduction to contemporary topics in public administration: defining the field, operations of the federal administration, theories of public management, budgeting and staffing. (AP)

PSCI 2989. Cooperative Education (1-3 credits)

PSCI 3000. Peace, Security, and Development (3 credits) — A global political analysis of issues and events which affect the peace, security, and development of human beings in the world community. (IR)

PSCI 3010. Chinese Politics (3 credits) — An introduction to the politics of China and the role of politics in Chinese history, culture and economy. (CP)

PSCI 3030. American Political Parties (3 credits) — A study of the political parties in the United States. The course examines the roles of political parties in elections and in the government, the coalitions and factions that make up the parties, the sources of party division and conflict, and the balance of power between competing political parties. (AP)

PSCI 3050. Interest Groups in American Politics (3 credits) — An examination of the role and influence of interest groups in American politics and government, with special attention to corporate business and organized labor. This course considers the implications of interest group politics for the distribution of power and for the shape of public policy in the United States. (AP)

PSCI 3060. Southern Politics (3 credits) — An introduction to regional political activity and its impact on the national political system as illustrated by the 11-state Southeast. An in-depth study of the distinctive political system of the region, and the effects of movements such as secession and one-party control, black voting, and the changes in the socioeconomic composition of the area. (AP)

PSCI 3070. Politics and Film (3 credits) — An investigation of motion pictures as a mass medium. It is concerned with the political images, ideas and stories in the movies, as well as the politics surrounding movie production and distribution. (AP)

PSCI 3130. American Political Thought (3 credits) — An examination of various themes in American political thought using the writings of contemporary thinkers as well as sources drawn from the past. (PT)

PSCI 3200. Law and Judicial Process (3 credits) — An overview of the political and philosophical principles underlying the American legal system. Strongly recommended prior to further work in law and the judicial process. (PL)

PSCI 3205. Constitution and Civil Liberties (3 credits) — A focus upon the First, Second, Fifth, Ninth, and Fourteenth Amendments as these have been utilized to expand and protect personal rights and liberties, including participation in the political process. The case method will be used. (PL) (Formerly PSCI 2500)

PSCI 3210. Due Process and Adjudication (3 credits) — A study of the liberties guaranteed in the Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendments as developed and interpreted by court decisions. The case method will be used. (PL)

PSCI 3220. The Supreme Court (3 credits) — An analysis of the role of the Supreme Court of the United States in the governmental process, its role regarding the separation of powers and federalism, public policy, and limits on judicial power. The case method is sometimes used. (PL)

PSCI 3310. International Relations (3 credits) — An introduction to the study of the relations between states, politics, diplomacy, international law, and organization; an analysis of the theory and practice of international relations. (IR)

PSCI 3370. State and Local Government (3 credits) — The structure and functions of the 50 state governments and local government in the United States and the role of these governments in the American federal system. Special references to government in Tennessee. (AP)

PSCI 3800. European Politics (3 credits) — A survey of the governmental institutions, the political processes, and the cultures of European states. (CP)

PSCI 3830. Government and Politics of Latin America (3 credits) — Broadly concerned with basic political, cultural, and economic characteristics of various Latin American political systems. (CP)

PSCI 3870. Government and Politics of South Asia (3 credits) — An examination of the government, political organizations, party structure, politics, and culture of the subcontinent. (CP)

PSCI 4020. Urban Politics (3 credits) — A study of the politics of urban and metropolitan government, including: reformism, bossism, political cleavages, the role of blacks and other groups in the local political system, and procedures and problems related to local policy-making. (AP)

PSCI 4050. The Presidency (3 credits) — A study of the functions and powers of the modern presidency, with emphasis on the role of the president in public policy. (AP)

PSCI 4100. Classical Political Philosophy (3 credits) — An examination of the classical tradition in political thought with emphasis on reading the works of Plato and Aristotle as well as those of later representatives of this tradition. (PT)

PSCI 4120. Modern Political Philosophy (3 credits) — An examination of modern political thought with emphasis on the Social Contract theories of Hobbes, Locke, and Rousseau and the utilitarianism of Bentham, Mill, and others. (PT)

PSCI 4160. The Idea of the City (3 credits) — An examination of the meaning and significance the city has had in human history and a consideration of its potential as a meaningful social and political force of the future. (PT)

PSCI 4300. International Politics (3 credits) — An analysis of the major forces and trends of the political relationships between states; the historical development of international politics, the pattern of contemporary international politics, and the future of international politics; special problems and prospects for the United States. (IR)

PSCI 4330. American Foreign Policy (3 credits) — An analysis of the development of American foreign policies and practices with emphasis on recent development and current trends. (IR)

PSCI 4450. Power and Politics in Appalachia (3 credits) — An examination of the political, economic, and social structures of power characteristic of the Appalachian region, and the relationship between these and the larger American context. Offered only in Pre-summer. (AP)
PSYC 4100. An Introduction to the Study of Personality (3 credits)  
Prerequisite: PSYC 1310 and 2311-12. A survey of the psychology of personality. Topics examined include: normal and pathological development, personality measurement, current viewpoints of personality theories, and critical issues within the psychology of personality.

PSYC 4317/5317. Perception (3 credits)  
Prerequisite: PSYC 1310 and 2311-12. A survey of research on vision, color perception, hearing, pattern perception, depth perception, smell, taste, and developmental perception accompanied by slide and video presentations. A brief review of theories of perception is also provided.

PSYC 4320. Abnormal Psychology (3 credits)  
Prerequisite: PSYC 1310 or permission of instructor. A critical review of personality development and discontinuity and the concepts underlying diagnosis, therapy, and institutional care.

PSYC 4337/5337. Social Psychology (3 credits)  
Prerequisite: PSYC 1310. The study of research methodologies, empirical findings, and theoretical concerns in the area of interpersonal behavior.

PSYC 4507/5507. Ethics and Professional Practice (1 credit)  
Prerequisite: PSYC 1310 or permission of the instructor. The course is designed to acquaint students with APA's code of ethical conduct and the Tennessee State Legal Code pertaining to the practice of psychology. A variety of ethical and legal issues will be covered in the areas of research, service, supervision, or administration.

PSYC 4557/5557. Introduction to Behavioral Medicine (3 credits)  
Prerequisite: PSYC 4320 or PSYC 4100 or permission of the instructor. This class examines a variety of topics that exist at the interface of psychology and medicine. These topics include, but are not limited to, chronic pain, stress, hypertension, relaxation training, smoking, obesity, risk factors for heart disease, Type-A behavior, nutrition, and the social psychology of health habit modification.

PSYC 4607/5607. Child Psychopathology (3 credits)  
Prerequisite: PSYC 1310, PSYC 4320, and HDAL 2310 or permission of the instructor. The purpose of the course is to acquaint students with aspects of diagnosis, measurement, and treatment of child psychopathology.

PSYC 4707/17/5707-17. Physiological Psychology (4,0 credits)  
Prerequisite: PSYC 3030-31 and General Biology. A review of the physiological, anatomical, and chemical aspects of the nervous system and their relation to a variety of functions: sensory processes, perception, motivation, learning, emotion, and memory. Four credit credits of lecture/laboratory per week.

PSYC 4817/5817. Introduction to Psychological Testing (3 credits)  
Prerequisite: PSYC 1310, 2311-12, and 2810. Refer to HDAL 4817.

PSYC 4900. Independent Study in Psychology (1-3 credits)  
An independent study of a problem selected in consultation with a member of the psychology faculty.

PSYC 4957/5957. Special Topics in Psychology (1-6 credits)  
Permission of the instructor.

Graduate Course Listing

For descriptions and prerequisites see the Graduate Catalog.

PSYC 5210. Statistical Methods (3 credits)

PSYC 5220. Personality Theory (3 credits)

PSYC 5230. Advanced Developmental Psychology (3 credits)  
— HDAL 5230

PSYC 5530. Sport Psychology (3 credits)

PSYC 5825. Psychopathology (3 credits)

PSYC 5830. Individual Mental Testing (4 credits)  
— HDAL 5830

PSYC 5850. Personality Assessment (3 credits)

PSYC 5860. Theories of Learning (3 credits)  
— HDAL 5860

PSYC 5870. Introduction to Clinical Psychology (3 credits)

PSYC 5875. Intervention Strategies in Clinical Psychology (3 credits)

PSYC 5900. Independent Study in Psychology (1-3 credits)

PSYC 5910. Practicum in Mental Health: Assessment (3 credits)

PSYC 5911. Practicum in Mental Health: Therapy (3 credits)

PSYC 5930. Internship in Mental Health (3 credits)

PSYC 5950. Methods of Psychological Research (3 credits)

PSYC 5960. Thesis (1-3 credits)

PSYC 5990. Readings (1-3 credits)
Public Health

PUBH 1010. Personal Health Behavior (3 credits) — Examines physical, mental, and social aspects of health utilizing topics such as communicable and chronic diseases, sexuality, consumerism, community health, environment, aging, death and dying, and the health care system.

PUBH 1020. Introduction to Public Health (3 credits) — Designed to familiarize students with the field of public health, including the history and practices of public health. Program areas included in public health will be identified and discussed. Major cultural, social, economic, organizational, and environmental factors influencing public health issues and practices at the local, state, national, and international levels will be presented.

PUBH 2030. First Aid and Emergency Care (3 credits) — Prepares the student providing knowledge and skills to handle emergency situations when emergency care is needed and medical assistance is delayed. Cardiopulmonary resuscitation (CPR-BLS) is taught in association with the course.

PUBH 2031. Cardiopulmonary Resuscitation (1 credit) — Prepares the student to provide basic life support for respiratory and cardiac emergencies for adults, children, and infants.

PUBH 2100. Health Systems (3 credits) — Studies health systems in the United States and in other countries, with emphasis on such management issues as their ability to deliver health-related services, their cost and their operations within a legal framework. Included in the topics are discussions of such major developments as prepaid group practice, managed care, national health insurance, planning for health care and an overview of the issues associated with these developments.

PUBH 2120. School Health Education K-12 (3 credits) — Prerequisite: PUBH 1010. Studies the school health program: health services, health instruction, and healthful school environment for grades K-12. Emphasis is given to curriculum and various school health issues.

PUBH 2750. Medical Terminology (3 credits) — Designed for public and allied health professionals who need to read and interpret health and medical reports, research reports, or professional literature. Analysis and utilization of medical terms related to various disorders will be made.

PUBH 3000. Introduction to Biostatistics (3 credits) — Statistical logic and elementary techniques of statistical analysis as applied to health. Collection and interpretation of population, natality, morbidity and mortality statistics. Elementary epidemiology, probability, sampling and tests of significance will be reviewed.

PUBH 3010. Accident Prevention (3 credits) — Examines unsafe personal acts and unsafe conditions influencing the occurrence of accidents. Emphasis is placed on the prevention of accidents through reducing human error and modifying unsafe environments.

PUBH 3080. Principles of Epidemiology (3 credits) — Prerequisite: PUBH 3000 or permission of instructor. An introduction to the principles of epidemiology and their application to the investigation, prevention and control of illness, injury and disease.

PUBH 3120. Principles and Practices of Public Health Education I (4 credits) — Prerequisites: PUBH 1010 and 3000 as pre/co-requisite. Develops skills in the application of principles of learning, community survey and data analysis, theoretical and applied approaches to program planning, implementation and evaluation, research design, professional development, and ethics.

PUBH 3130. Principles and Methods of Health Education (3 credits) — Prerequisite: PUBH 3120 or permission of instructor. Develops skills in the design and use of educational methods, materials, and equipment for health education. Develops skills in group work and techniques, motivation, and leadership.

PUBH 3200. Health Services Administration (3 credits) — Reviews and prepares students to understand the components of health care in the United States and the principle delivery systems used in their provision. Organizational theory and design are discussed and evaluated in light of past and present health services systems. An understanding of health care financing and its impact on access to and delivery of health care to different populations is provided.

PUBH 3220. Health Services Planning (3 credits) — Surveys and examines planning, organizing and managing health care in the United States. Attention is given to the evolving health care systems in the United States and abroad and to the function of the administrator in the plan and design of those systems.

PUBH 3500. Consumer Health Education (2 credits) — Provides knowledge and information which will enable one to make intelligent decisions about the purchase and use of those health products and services available in society.

PUBH 3600. Quality and Utilization Assurance (3 credits) — Explores the issues related to quality, utilization, and risk management and the administrator’s role in developing an environment which supports institutionalization of these concepts.

PUBH 3950. Principles of Public Health Research (3 credits) — Overviews research techniques and methods emphasized in public health. Issues to be discussed include the steps, components, funding sources, proposal guidelines and general format of research reports for refereed journals.

PUBH 4007/5007. Principles and Practices of Patient Education (3 credits) — In this course students develop skills in the design and use of educational methods, materials, and counseling to provide specialized education for the patient in the clinical environment.

PUBH 4030. Community Health (3 credits) — Prerequisite: PUBH 1010 or ENVH 1800 or permission of instructor. Studies and analyzes community health problems and their causes. The organization, administration, and work of agencies involved with community health are explored, with emphasis on the professional’s responsibility for community health.

PUBH 4060. Community Organization for Health Education Programs (3 credits) — Prerequisite: PUBH 4030 or permission of instructor. Considers the principles and practices of community organization for health education and the role of the health educator in the community. Motivation of lay and professional individuals and groups to develop and implement community plans is studied.

PUBH 4220. Family Health and Human Sexuality (2 credits) — Designed to familiarize the student with health problems encountered by the family. The components of human sexuality as they relate to physical, mental, and social well-being are explored.

PUBH 4357/5357. Thanatology (3 credits) — Explores the concept of death, dying, grief and addresses the topics of: medical, legal, social, cultural and religious view of death both in America and other cultures. Through these studies, students will be able to deal with their own emotions and better understand that death is a natural process of life.

PUBH/SPCH 4377/5377. Health Communication (3 credits) — Prerequisite: Permission of the instructor. A study of the interpersonal, group, organizational, and public communication processes that shape beliefs, decisions and behavior regarding health, sickness, and health care. The course examines attitudes and actions of many participants in health communication, including citizens, health professionals, and those engaged in the public debate of health issues. (Students cannot receive credit for both SPCH 4377 and PUBH 4377.)

PUBH 4500. Pathophysiology of Disease (3 credits) — A discussion of common diseases with respect to etiologic agents, physiology, pathological, and emotional changes; management by chemical and physical agents, psychotherapy, and patient education.

PUBH 4607/5607. Gerontology and Health (3 credits) — Examines the aging process and is designed to familiarize the student with physical, psychological, and social changes. Course emphasizes assessment of needs in various areas relating to the aged.

PUBH 4707/5707. International Health: An Overview of Problems and Issues (3 credits) — Designed to provide a fuller understanding of the patterns of medical care delivery and public health practices and the factors that inhibit or enable their applications among community groups and organizations around the world.

PUBH 4850. Field Experience (12 credits) — Prerequisite: Permission of department. Work experience in hospitals, official and voluntary agencies, and other community groups and organizations. The student furnishes necessary living and traveling expenses. One credit hour = 45 contact hours.

PUBH 4907/5907. Independent Study in Public Health (1-3 credits) — Designed for students desiring an in-depth study of health problems in a special area of need.

PUBH 4937/5937. Stress Management (3 credits) — Designed to acquaint the student with the literature and research on stress. Emphasis is given to the identification of stressors, change behavior, and reduction of the deleterious effects of distress and tension experienced by health professionals.

PUBH 4957/5957. Topic in Public Health (1-6 credits) — Surveys new developments in health education, following a structured approach or the intensive study of a selected topic utilizing the workshop approach.

PUBH 4989. Cooperative Education (1-3 credits)
Graduate Course Listing

For descriptions and prerequisites, see the Graduate Catalog. Graduate Curriculum is being revised. Contact the MPH Coordinator.

PUBH 5020. Philosophy of Public Health (1 credit)

PUBH 5110. Assessment of Individual and Community Health (3 credits)

PUBH 5120. Techniques of Research and Evaluation (3 credits)

PUBH 5130. Planning and Implementation of Community Health Programs (3 credits)

PUBH 5150. Consulting in Organizations and Communities (3 credits)

PUBH 5200. Social and Behavioral Foundations (3 credits)

PUBH 5210. Professional Development for Public Health Practice (2 credits)

PUBH 5310. Principles of Biostatistics (3 credits)

PUBH 5340. Health Appraisal Techniques (3 credits)

PUBH 5400. Principles of Epidemiology (3 credits)

PUBH 5401. Rural Health Issues (3 credits)

PUBH 5500. Adm. of Health Programs (3 credits)

PUBH 5505. Managing Health Care Organizations (3 credits)

PUBH 5510. Long Term Care Adm. (3 credits)

PUBH 5525. Health Services Organization and Delivery (3 credits)

PUBH 5535. Health Policy, Politics and Analysis (3 credits)

PUBH 5550. Human Resources Mgmt. in Health Organizations (3 credits)

PUBH 5590. Strategic Planning for Health Care (3 credits)

PUBH 5600. Industrial Health Education (3 credits)

PUBH 5620. Hazards in the Workplace (3 credits)

PUBH 5850. Field Experience (6 credits)

PUBH 5900. Grant and Proposal Development (3 credits)

PUBH 5950. Research Seminar (3 credits)

PUBH 5960. Thesis (1-4 credits)

PUBH 5989. Cooperative Education (1-3 credits)

PUBH 5990. Readings and Research (1-3 credits)

Interdisciplinary Public Health

IDPH 2000. Introduction to Rural Health (1 credit) — This course provides an introduction to the rural primary and community care. A concentration experience at the rural site familiarizes students with the community and provides a foundation for later coursework and clinical experiences.

IDPH 2005. Communication for Health Professionals (3 credits) — This course is designed to introduce health professions students to the characteristics of effective communication and to develop basic competencies in communication with clients and colleagues in multidisciplinary settings.

IDPH 2010. Rural Health and Community Leadership I (3 credits) — Students learn about caring for communities by conducting assessments using a variety of data sources, developing program plans, participating in a mock epidemic, visiting community agencies and institutions, and identifying local, state and national trends that impact the community’s health.

IDPH 3010. Rural Health and Community Leadership II (3 credits) — Students will collaborate in interdisciplinary student teams, and with faculty and community members to provide selected health care interventions to adult populations.

IDPH 3020. Rural Health and Community Leadership III (3 credits) — Students will collaborate with multidisciplinary students, faculty and community members to provide care to child and adolescent aggregates or families.

IDPH 4000. Community Health Project (3 credits) — In collaboration with community agencies and organizations, students will identify a community health need and then plan, implement and evaluate a community intervention.

Public Relations

PUBR 2700. Introduction to Public Relations (3 credits) — Study of fundamental principles and techniques applicable in the field of public relations. Information is provided on various types of career opportunities.

PUBR 2770. Writing for Public Relations (3 credits) — Prerequisite: A grade of “C” or better in JOUR 2120. Instruction in fundamentals of reporting, feature writing, broadcast newswriting, and specialized writing done regularly by public relations practitioners. Assignments include work for public relations professionals.

PUBR 3770. Public Relations Publications (3 credits) — Fundamentals of typography, printing, and computer design applied to the production of publications and web sites common in the public relations field.

PUBR 4080. Public Relations Internship (3 credits) — Prerequisite: Permission of instructor. Supervised professional experience in public relations.

PUBR 4301. Topics in Public Relations (2-6 credits)

PUBR 4730. Public Relations Practices (3 credits) — Prerequisite: PUBR 2700, 2770, 3770, RTVF 3602. Application of public relations principles and techniques to business and industry, government, health care facilities, institutions and organizations, trades and professions. Emphasis on case studies and projects completed for on- and off-campus groups and organizations.

PUBR 4900/5900. Independent Studies in Public Relations (1-3 credits)

For descriptions and prerequisites see the Graduate Catalog.

Graduate Course Listing

PUBR 5301. Topics in Public Relations (2-6 credits)

PUBR 5310. Media Management (3 credits)

PUBR 5320. Public Relations Case Studies (3 credits)

PUBR 5900. Independent Study in Public Relations (1-3 credits)

Radiologic Technology

RADT 3000. Image Production and Evaluation (4 credits) — Prerequisite: Program admission. Co-requisite: RADT 3010, RADT 3020, RADT 3021, and RADT 3040. This course presents an in-depth discussion of image formation to include photographic and geometric factors. Discussion includes: prime factor manipulations, calculations, and derivatives, latent/manifest image formation, radiographic interactions, and pathological considerations. All factors concerning image production will be interrelated. Extensive correlation, practical/laboratory applications, and written assignments are required.

RADT 3010. Radiation Physics (3 credits) — Prerequisite: Program admission. Co-requisites: RADT 3000, 3020, 3021, and 3040. An in-depth discussion of atomic theory, magnetism and electromagnetism, electrostatics, electrodynamics, radiation production and interaction, and energy transformation will occur. Radiographic tube construction, operation, and electronic schematics will be presented and interrelated with the associated medical utilization and characteristics.

RADT 3020. Radiographic Procedures I (3 credits) — Prerequisite: Program admission. Co-requisite: RADT 3020. An in-depth discussion of radiographic procedures including the thoracic-abdominal areas and the appendicular skeleton. Anatomy, patient care, and terminology are correlated with radiographic procedures. Appropriate methodologies regarding patient identification, clinical profiles, nomenclature, universal precautions, and radiographic critique/quality are presented. An accompanying laboratory experience analyzing radiographic evaluation and techniques will occur.

RADT 3021. Radiography Procedures I Lab (1 credit) — Prerequisite: Program admission. Co-requisite: RADT 3020. Under direct supervision, the student will observe, demonstrate, and produce diagnostic quality radiographs of the thoracic-abdominal cavities and the upper/lower extremities.

RADT 3030. Radiographic Procedures II (3 credits) — Prerequisite: Program admission. Co-requisite: RADT 3031. This course is a continuation and integration of RADT 3020 and 3021 that also includes an in-depth discussion of procedures of the axial skeleton, the digestive, neural, respiratory, biliary, and genitourinary body systems. Anatomy (inclusive of cross-sectional), patient care, pathology, and medical terminology will be correlated with procedures. An accompanying laboratory component will occur.
RADT 3031. Radiographic Procedures II Lab (1 credit) — Prerequisite: Program admission. Co-requisite: RADT 3030. Under direct supervision, the student will observe, demonstrate, and produce diagnostic, quality radiographs of the axial skeleton, the digestive, neural, respiratory, biliary, and genitourinary body systems. Anatomy (inclusive of cross-sectional), patient care, pathology, and medical terminology will be correlated with procedures presented in RADT 3030.

RADT 3040. Clinical Education I (2 credits) — Prerequisite: Program admission. This competency-based clinical experience will introduce the radiography student to learning opportunities in ancillary areas and current imaging technologies available at clinical agencies. Student participation in patient assessment and care, and observing and performing medical imaging procedures as presented in RADT 3020/3021 under direct supervision will occur. Students will demonstrate cognitive, affective, and psychomotor skills with a focus on outcomes assessment.

RADT 3050. Clinical Education II (2 credits) — Prerequisite: Program admission and RADT 3040. Co-requisite: RADT 3030 and 3031. A competency-based clinical experience that intensifies the cognitive, affective, and psychomotor skill level of students in the performance of imaging procedures of the axial and appendicular skeleton. Students continue to focus on outcomes assessment and to master procedures from RADT 3040.

RADT 3060. Radiographic Imaging and Quality Assessment (3 credits) — Prerequisite: Program admission. A course which discusses the history and role of computers in modern imaging systems including: picture archiving and communication systems, digital imaging, digital fluoroscopy, computerized tomography, magnetic resonance imaging, sonography, nuclear medicine, mammography, and radiation oncology. Quality assessment will be presented and integrated with imaging systems and modalities. Students will present written and oral reports with an emphasis on the written portion.

RADT 3070. Radiobiology (3 credits) — Prerequisite: Program admission. This course includes an in-depth discussion of the study of human cells, organs, systems, and human tissue as a result of exposure to various radiation sources. Methods of radiation safety, monitoring, and protection will be discussed. Students are required to orally present an associated topic to class and faculty.

RADT 4000. Clinical Education III (5 credits) — Prerequisite: Program admission and RADT 3050. A competency-based clinical practicum that requires higher cognitive, affective, and psychomotor skill levels. This clinical experience provides learning opportunities in fluoroscopy of the physiological body systems, cystography, advanced extremity, mobile, trauma, and surgical radiographic procedures. Mastery of knowledge from previous clinical practicums with a focus on outcomes assessment will occur. All classes occur at the clinical agencies.

RADT 4010. Clinical Education IV (3 credits) — Prerequisite: RADT 4000. This clinical experience will occur at a different clinical agency thereby diversifying the clinical applications of cognitive, affective, and psychomotor skills. Students will participate in diagnostic imaging, specialty areas, and interventional radiography to become a true part of the health care team. Students will complete minor, major, and graduate competencies (advanced radiographic/fluoroscopic procedures) emphasizing outcomes assessment.

RADT 4020. Clinical Education V (3 credits) — Prerequisite: RADT 4010. The clinical experience consists of assignments in general radiography/fluoroscopy and specialty areas (oncology, magnetic resonance imaging, and cardiac catheterization). Students will demonstrate the highest level of cognitive, affective, and psychomotor skills to complete graduate competencies, outcomes assessment, and program requirements. Practicing professionals clinical phase is specifically designed to facilitate growth and lifelong learning.

RADT 4030. Radiographic Pathology (3 credits) — This course includes an in-depth discussion and radiographic correlation of disease processes. Disease etiology, processes, nature, causes of disease and injury, treatment, and their related radiographic significance will be discussed. Students will present case studies.

RADT 4040. Radiopharmaceuticals and Special Procedures (3 credits) — Advanced radiographic procedures encompassing interventional, vascular, neuroradiologic radiography, and specialized equipment/procedures are discussed. Invasive techniques, contrast media pharmacology, and related imaging modality integration are presented.

Reading

READ 3100. Reading Instruction in the Elementary School (3 credits) — This course is designed to provide undergraduate students with a solid foundation for teaching reading and other literacy competencies in the elementary school. Emphasis is on developing understanding of the reading process and the teaching of reading as a keystone within the elementary school. Strategies for effective reading instruction are represented including the development of language, understanding the relationship of specific skills to the overall reading process, the use of children's literature and basal reader programs, and the importance of reading and the integral nature of the reading process in content learning.

READ 4027/5027. Diagnostic and Remedial Procedures in Reading (3 credits) — Emphasis on case study procedure; direct contact with children in diagnostic situations; formal and informal procedures for diagnosing reading skills, abilities, aptitudes, and methods and materials for the correction or improvement of diagnosed reading difficulties. Students desiring graduate credit will have requirements beyond normal course expectations.

READ 4147/5147. Basic Storytelling (3 credits) — Study of and practice in storytelling. Uses of storytelling in various settings including classrooms, libraries, churches, and homes as public events.

READ 4437/5437. Reading Instruction in Middle and Secondary Schools (3 credits) — Prerequisite: Admission to teacher education. This course addresses reading strategies needed for various content areas; developmental, corrective, and remedial procedures and strategies at the middle and secondary levels; and the role of language in learning subject matter content. Students desiring graduate credit will have requirements beyond normal course expectations.

READ 4817/5817. Practical Applications of Storytelling: National Storytelling Festival Experience (1 credit) — This course provides the student with training in planning, directing, and administering a storytelling festival. Festival activities introduce the student to various storytelling styles and content.

READ 4827/5827. Storytelling Resource Evaluation (1-6 credits) — This course is designed to prepare the student to organize and participate in a storytelling festival.

READ 4900. Independent Study in Reading (1-3 credits) — By approval from the program coordinator.

READ 4957/5957. Topics in Reading (1-6 credits) — Prerequisite: Dependent on subject matter. Selected topics of current interest in reading. Offered upon sufficient demand for specific subject matter. May be repeated for different topics. Consultation with the instructor is recommended before enrollment.

For descriptions and prerequisites see the Graduate Catalog.
Radio/Television/Film

RTVF 2600. Survey of Broadcasting (3 credits) — The study of the development of the broadcast/cable/teleproduction industry and its present structure, new technologies, FCC and other regulatory agencies, station, network, cable, and teleproduction operations and their effect on society.

RTVF 2604. Radio/TV Laboratory (1 credit) — Prerequisite: RTVF 2630, 3602, 3640, 3651, 3661, and permission of instructor. Instruction and practical experience in producing the radio and television segment. A complete product from concept to “aired” segment is required in radio or television. May be repeated. Credit may also be earned in RTVF 4692.

RTVF 2630. Writing and Directing Radio/TVC (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. Techniques of writing radio/television copy including commercials, announcements, program continuities, and dramatic scripts.

RTVF 3600. Radio/TV News (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. A study of the organization and function of broadcast news with training in reporting, writing, and editing news for various formats and program types.

RTVF 3602. Video-Film Techniques (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. Theory and technique of commercial, ENG and EFP video, and digital technology. Course provides practical experience with all types of hardware and software.

RTVF 3640. Broadcast Performance (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. The study and development of communication principles and skills for the announcer and actor with specific theory and training in the techniques, methods, and procedures that relate to broadcast performance.

RTVF 3651. Radio Production (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. Principles and methods of producing and directing representative types of radio programs in lecture and laboratory sessions.

RTVF 3661. Television Production (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. Principles and methods of producing and directing representative types of television programs in lecture and laboratory sessions.

RTVF 3671. Broadcast Programming (3 credits) — Prerequisite: RTVF 2600 or permission of instructor. The planning of radio and television programs and formats. Design of specific programs to effectively reach a desired audience. Includes analysis and redesign of programs already on the air. Available in odd-numbered years.

RTVF 4080. Broadcasting Internship (3 credits) — Prerequisite: Permission of instructor. Paid professional experience in broadcasting.

RTVF 4401. Topics in Broadcasting (2-6 credits)

RTVF 4460. Radio/TV Reporting and Editing (3 credits) — Prerequisite: RTVF 2630, 3602, 3640, 3651, 3661, and permission of instructor. Experience in preparing radio and television newscasts for presentation. Synthesis of reporting, writing, audio, and film coverage of national, regional, and local news. Practical experience gained by presentation over radio and television.

RTVF 4604. Radio/TV Laboratory (1 credit) — Prerequisite: RTVF 2630, 3602, 3640, 3651, 3661, and permission of instructor. Instruction and practical experience in producing the radio and television segment. A complete product from concept to “aired” segment is required in radio and television. May be repeated. Credit may also be earned in RTVF 2604.

RTVF 4651. Advanced Radio Production (3 credits) — Prerequisite: RTVF 3651 or permission of instructor. A study of production methods with an emphasis on laboratory training in producing and directing special projects and complete radio programs.

RTVF 4661. Advanced TV Production (3 credits) — Prerequisite: RTVF 3602 or permission of instructor. A study of production methods with an emphasis on laboratory training in producing and directing special projects and complete television programs.

RTVF 4680. Broadcast Production Practicum (2 credits) — Prerequisite: RTVF 2630, 3602, 3640, 3651, 3661 and permission of instructor. Instruction and practical experience in producing the radio and television programs. A complete product from concept to “aired” program is required in radio and television.

RTVF 4690. Broadcast Management (3 credits) — Prerequisite: RTVF 2600 and MCOM 4037 or permission of instructor. A study of the elements basic to successful operation of a radio, television, cable, and teleproduction facility. The study of advertising, budgeting, public relations, promotion, staffing, and federal and industry-wide regulatory codes.

RTVF 4800. Independent Studies in Broadcasting (1-3 credits)

Sports Management and Leisure Services

SALM 3100. Introduction to Leisure Services (3 credits) — An overview of the history and professional developments in leisure services. Broad treatment is given to the types and functions of leisure services in a modern world.

SALM 3105. Programming and Leadership in Leisure Services (3 credits) — This course is designed to introduce the student to program and leadership skills used in leisure services. Emphasis will be on leadership techniques, group dynamics, communication skills, and program development for various leisure services.

SALM 3110. Interpretation of Cultural and Natural Resources (3 credits) — This course will focus on the study and practice of interpretative techniques of cultural and natural resources. Emphasis will be placed on the development of skills in designing, producing, and presenting interpretive materials and programs in a recreational setting to all segments of the population. This course will also provide a service-learning project that will involve interaction with a leisure service organization that incorporates interpretation into its activity program.

SALM 3115. Wilderness First Responder (3 credits) — This course will focus on the preparation of outdoor leaders to respond to medical emergencies in remote locations. Emphasis will be placed on prevention of medical emergencies and decision making when emergencies occur. Also covered will be extended care and prolonged transport and improvised equipment. Additional course cost will be involved to cover the cost of supplies, certification, and instructor.

SALM 3117. Recreation for Special Populations (3 credits) — This course is an introduction to the area of therapeutic recreation and providing recreational services to special populations. Components of this course will include background information on the development of therapeutic recreation, environmental barriers and recreation opportunities, characteristics of selected populations, and program planning considerations for special populations. This course will include a service-learning component and require field trips to agencies providing therapeutic recreation services.

SALM 3120. Outdoor Recreation Skills (3 credits) — This course was designed to develop outdoor leadership and basic outdoor recreational skills in a variety of outdoor activities. In addition to the regular on-campus classes, students will be required to participate in several weekend field trips during which time they will demonstrate practical application of the skills and knowledge acquired. Activities covered in this course will include camping and campcrafts, outdoor cookery, hiking and backpacking, map and compass use, canoeing, and rock climbing.

SALM 3125. Camp Leadership (3 credits) — A study of organized camping with emphasis on leadership, programming, and camp administration. This course will follow the American Camping Association course content for the Basic Camp Director program.

SALM 3130. Natural Resource Management (3 credits) — This course will focus on the administration of recreational lands by state and federal agencies with emphasis on management policies and procedures. This course will include service-learning experiences involving travel to and volunteer work with federal and state land management agencies.

SALM 3135. Administration in Leisure Services (3 credits) — Prerequisite: SALM 3100 and SALM 3105. A study of duties, responsibilities, and functions of a competent administrator for a recreation or park delivery system. Emphasis is placed on the development of sound administrative practices and procedures.

SALM 3210, 3211, 3212. Practicum in Sport and Leisure Management I, II, and III (1 credit each) — This class will afford the student the opportunity to perform management duties under the supervision of a sports or leisure services manager. The assignment will be part time (up to eight hours maximum per week and a maximum of 48 total hours per semester) and be performed either on campus or in close proximity to campus.

SALM 3220. Facility Planning and Event Management (3 credits) — A study of content concerning the planning of facilities to accommodate sport and fitness activities. Students will learn procedures to effectively conduct sporting events.
SALM 3225. Marketing Strategies and Public Relations in Sport Management (3 credits) — This course is designed to provide students with a practical application of marketing science and public relations as they relate to all realms of the sport industry - professional sports intercollegiate, interscholastic, and intramural sport; amateur sports, and all elements of commercial clubs, resorts, camps, and service organizations.

SALM 3230. Sport in the Social Context (3 credits) — An introductory course devoted to an examination of sport and its relationship to society and to other social institutions. Principal emphasis is given to sport in American society.

SALM 4100. Professional Field Experience in Leisure Services (3 credits) — Provides the student with the opportunity to be actively involved in a leisure service delivery system. Includes the application of theoretical knowledge to practical situations. The student will be required to complete a minimum of 120 hours of documented field experience during the semester.

SALM 4107. Alpine Tower Leadership (3 credits) — This course utilizes the Alpine Tower Complex as a unique educational modality for developing teamwork, trust, cooperation, communication, and respect for others in a problem-solving environment. In addition, students will also develop leadership skills necessary to facilitate the personal growth of others through educational experiences using the Alpine Tower Complex. Emphasis will also be given to the day-to-day management, operation, and maintenance of the Alpine Tower Complex and similar ropes course operations. This course will include service-learning experiences involving group leadership on the Alpine Tower Complex.

SALM 4117, 4118, 4119. Outdoor Leadership (3 credits each) — This course is based on the student contract format and will provide students an opportunity to complete a course of study involving specialized outdoor leadership development with outdoor leadership organizations such as the National Outdoor Leadership School (NOLS), Outward Bound (OB), and Wilderness Education Association (WEA). The course will be a minimum of three (3) weeks in length including pre-field experience assignments, field experience with a specific outdoor leadership organization, and post-field experience project completion and assessments. Specific course requirements will be established on an individual basis and the course grade assigned according to the established contract.

SALM 4127. Rocky Mountain Experience (3 credits) — This is a service-learning course that involves extensive travel and work in selected national parks in the Rocky Mountain region. During the course students will develop outdoor living skills, leadership skills in an outdoor environment; skills relative to trail and campsite construction and basic park maintenance; knowledge of flora, fauna, and geological features of national parks visited; and knowledge of the impact of governmental policies on the management and operation of national parks. This course will involve extensive tent camping and travel by van as part of a group experience.

SALM 4137. Wilderness Education Association Stewardship Program (3 credits) — Based on the Wilderness Education Association (WEA) 18 point curriculum, this course is a field-based experience designed to develop principles of wilderness ethics, land stewardship, effective group dynamics, and technical travel skills sufficient to move a group through the wilderness safely, enjoyably, and with a minimum of environmental and social impact.

SALM 4205. Issues and Trends in Sport Management (3 credits) — The purpose of this course will be to identify and analyze current factors affecting the field of Sport Management. The primary thrust of the course will be directed toward the modern day duties and responsibilities of a sports manager. Current trends in the Sport Management field will be researched and discussed. Specific course content will vary with the evolution of the field of Sport Management.

SALM 4210. Legal Issues and Risk Management in Sport and Leisure Activities (3 credits) — This course is intended to aid sports medicine personnel and sport and leisure service leaders in understanding the major legal concepts affecting the practices and procedures followed in their professions, and in initiating an active program of risk and liability management that will help ensure the safety of participants in these programs. This course has been identified as writing- and oral-intensive.

SALM 4215. Psychology of Sport and Leisure (3 credits) — An introduction to the psychological and sociological behavioral dimensions that underlie participation in exercises, fitness, recreational, and competitive sport activities.

SALM 4225. Management of Sport and Leisure Activities (3 credits) — To provide the student with knowledge of sport management in both athletics and leisure sport including management theories, roles and responsibilities.

SALM 4230. Fund-Raising in Sports (3 credits) — This course is designed to provide students with the knowledge to seek out resources from a wide range of possible sources and to use marketing and promotions skills to employ resources to yield optimum benefits.

SALM 4250. Internship in Sport and Leisure Management (3 credits) — This class will give the student the opportunity to put theory into practice. Students will work in a sport or leisure management agency for forty hours per week (minimum of 480 clock hours per semester) for an entire semester. Students will be consulted as to the sport or leisure management agency desired for the internship experience.

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

SALM 5020. Sport in Society (3 credits)
SALM 5200. Issues in Sport Management (3 credits)
SALM 5210. Practica I (3 credits)
SALM 5211. Practica II (3 credits)
SALM 5212. Practica III (3 credits)
SALM 5220. Internship to Sport Management (3 credits)
SALM 5230. Sport Marketing (3 credits)
SALM 5330. Legal Issues (3 credits)
SALM 5340. Risk Management and Assessment in Sport (3 credits)

Science Education

SCED 3250. Elementary Science Education (3 credits) — Prerequisite: Eight credits of science. Materials methods, activities, and content appropriate to the program of science in the elementary school.

SCED 4202. Wildlife Conservation (3 credits) — Prerequisite: Eight credits of science. Relationships of wild animals to the physical environment and to other organisms, including humans, with emphasis on man’s attempts to restore and maintain habitats.

SCED 4320. Integrated Teaching: Science (3 credits) — Prerequisites: Admission to teacher education, completion of eight credits of Science, CUAI 4210, CUAI 4220, and CUAI 4230. This course is taken concurrently with CUAI 4310, and CUAI 4330. This course provides K-8 science program perspectives. Science teaching methodology, content, and skills are examined with an emphasis on integration with mathematics and other appropriate subject areas. Learning needs of cultural, gender, and special populations are explored. (Evaluative-level Portfolio required)

SCED 4417/5417. Teaching Science in Secondary Schools (3 credits) — Prerequisite: Twelve credits of science and upper-division standing. Methods of teaching science in junior and senior high. Emphasis on classroom and laboratory techniques, demonstrations, selections of material, and visual aids.

SCED 4527/5527. Science Methods for Early Childhood (3 credits) — Prerequisite: Admission to Teacher Education and successful completion of all undergraduate science classes. Corequisite: This course is to be taken with CUAI 4517/5517 and 4537/5537. This course provides a PreK-4 science education perspective. Science teaching methodology, content, skills, and dispositions are examined with an emphasis on integration with mathematics and other appropriate subject areas. Learning needs of culture, gender, and special populations are explored. Students will be required to participate in field experience in PreK-4 settings.

SCED 4904. Independent Study in Science Education (1-6 credits) — Prerequisite: Dependent on subject matter. Selected topics of current interest in science education. Offered upon sufficient demand for specific subject matter. May be repeated for different topics. Consultation with the instructor is recommended before enrollment.
Sociology and Anthropology

SOAA 1000. Academic Advantage (2 credits) — This course helps the first-year student make the transition to the university, develop a better understanding of the learning process, and enhance essential academic skills. The course provides a support group for students in a critical transitional year by examining problems and issues common to the first year of college. Elective credit only; does not apply toward the major or minor requirements.

SOAA 1020. Introduction to Sociology (3 credits) — Sociology is the systematic study of social behavior. Topics include interaction, culture, inequality and social class, the changing society, socialization, subcultures, crime and deviance, family and religion, among others.

SOAA 1240. Introduction to Cultural Anthropology (3 credits) — An introduction to the basic concepts, theories, and methods of cultural anthropology. Major topics addressed include the relationship between biology and culture, cultural diversity, adaptation, and cultural evolution.

SOAA 1280. Introduction to Physical Anthropology and Archaeology (3 credits) — An introduction to the study of human evolution, human biological diversity, archaeological theory and methods, and cultural evolution in the Old and New Worlds.

SOAA 2000. Marriage and the Family (3 credits) — An overview of the effects of societal change on marital and nonmarital relationships. Topics include premarital dynamics, singles, dual career families, family violence, and divorce.

SOAA 2040. Folk Culture in the Modern World (3 credits) — Prerequisite: SOAA 1020, 1240, or permission of instructor. An introduction to the major theories, concerns, and methods of modern folklore scholarship with strong emphasis upon field studies of family and regional traditions and the practical applications of folklore research in cultural outreach and public educational programs.

SOAA 2150. American Folk Music (3 credits) — A multi-cultural survey of America's diverse ethnic and regional traditions of folk music, how they have been revived and popularized in the twentieth century, and their contributions to contemporary popular culture around the world.

SOAA 3030. Gender and Society (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. Study of the social construction of gender and its consequences for individuals and society. Examination of our cultural assumptions about gender identities, roles, behaviors, and the social processes that reproduce gender inequality.

SOAA 3060. Medical Sociology (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. Study of the concepts, theories, and methods of medical sociology with particular emphasis on the analysis and application of the findings of contemporary research in medical sociology.

SOAA 3070. Medical Anthropology (3 credits) — Prerequisite: SOAA 1240, or permission of instructor. An introduction to the crosscultural, holistic, and evolutionary study of illness and health. Major topical areas include ethnomedical belief systems, the interaction of biology and culture, and culture as an adaptive mechanism.

SOAA 3110. Minorities (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. Examination of the relationships between dominant and subordinate racial, ethnic, and other groups in the U.S., the theoretical perspectives, the processes that create or maintain institutional discrimination, and current issues concerning intergroup relations.

SOAA 3150. Urbanization (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. Processes of urbanization and the urban impact on rural life; the structure of the metropolis, segregation, slums, suburbs, mobility, disorganization, and cultural change.

SOAA 3210. Sociological Research (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. Methods used in investigating and reporting social phenomena.

SOAA 3300. Deviant Behavior (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. An analysis of various types of deviance in society with an emphasis on the application of various theories. Topics include drug addiction, prostitution, mental illness, disability, sexual deviance, alcoholism, and domestic violence.

SOAA 3310. Criminology (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. An analysis of the major sociological theories of crime causation, sociological aspects of types of offenders, and techniques of measuring crime.

SOAA 3320. Juvenile Delinquency (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. A study of the extent, causes, treatment, and prevention of delinquency.

SOAA 3350. Social Statistics (3 credits) — Prerequisite: MATH 1530. An introduction to applied statistics in the field of sociology and related disciplines. This course is offered during the spring semester only.

SOAA 3444. Microcomputers as a Research Tool (3 credits) — Prerequisite: MATH 1530, CSCI 1100 and SOAA 3210 (or a comparable course, with the approval of the instructor). Instruction on the use of SPSS/PC and/or other software packages for analyzing social science data via statistics with an emphasis on interpretation and application.

SOAA 3500. Appalachian Folk Medicine (3 credits) — Prerequisite: SOAA 1020, 1240, or permission of instructor. Analysis of the social and cultural dimensions of religion and the origins, functions, and place of religion in human societies.

SOAA 3700. Peoples and Cultures of Latin America (3 credits) — Prerequisite: SOAA 1020. An introduction to various cultures and nations in Latin America. Topics include indigenous cultures, cultural variation, economic development, political change and democracy, and contact and exchange with European powers.

SOAA 3800. Religion, Society, and Culture (3 credits) — Prerequisite: SOAA 1020, 1240, or permission of instructor. Analysis of the social and cultural dimensions of religion and the origins, functions, and place of religion in human societies.

SOAA 4027/5027. Advanced Principles of Sociology (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. A consideration of the theoretical and research applications of sociological concepts. This course is offered during the fall semester only.

SOAA 4087/5087. The Family in Transition (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. An analysis of the changing family with emphasis on family theory.

SOAA 4157/5157. Sociology of the City (3 credits) — Prerequisite: Permission of instructor. The sociology of modern urban centers with emphasis upon the development, social organization, and social change that characterize this aspect of modern society, and the influence of urban patterns upon the total society.

SOAA 4257/5257. Power, Wealth, and Poverty (3 credits) — Prerequisite: SOAA 1020. Examination of the theories and research concerning the distribution of power, wealth, and prestige in American society, and the impact of social class on life chances.

SOAA 4337/5337. Social Psychology (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. A consideration of the development, social interaction, the development of self, and the social construction of reality.

SOAA 4357/5357. Mass Communications and Popular Culture (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. An examination of the impact of modern communications technology upon traditional lifestyles and world views, particularly entertainment during the 20th century.

SOAA 4407/5507. Sociology of the Aging (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. An application of basic sociological principles, theories, and research findings to the understanding of the aging and their relationships with other segments of the population.

SOAA 4557/5557. Population (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. Major population characteristics, trends, and problems, primarily those of the United States.

SOAA 4627/5627. Ethnographic Field Work Techniques (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. An introduction to the information-gathering techniques and strategies employed by modern anthropologists, folklorists, and qualitative sociologists— including interviewing, recording, photography, transcription, and analysis of field work. Practical applications and cultural situations are also stressed.

SOAA 4807/5807. Modern Social Theory (3 credits) — Prerequisite: SOAA 1020 or permission of instructor. This course provides a comprehensive survey of key modern social theorists and theories within the historical context of the emergence of the modern world order. This course is offered during the fall semester only.

SOAA 4900. Independent Studies (1-3 credits) — Prerequisite: Permission of instructor.
SOAA 4957/5957. Special Topics in Sociology/Anthropology (1-6 credits)
SOAA 4989-99. Cooperative Education (1-3 credits)

Graduate Course Listing
For description and prerequisites see the Graduate Catalog.

SOAA 5050. Sociology of Education (3 credits)
SOAA 5110. Contemporary Social Theory (3 credits)
SOAA 5210. Sociological Research (3 credits)
SOAA 5315. Seminar in Crime and Delinquency (3 credits)
SOAA 5320. Program Evaluation (3 credits)
SOAA 5444. Applied Data Analysis for the Social Sciences (3 credits)
SOAA 5500. Topical Seminar (3 credits)
SOAA 5600. Seminar in Medical Sociology (3 credits)
SOAA 5620. Sociology of Age and The Life Course (3 credits)
SOAA 5820. Skills in Applied Sociology and Anthropology (3 credits)
SOAA 5850. Supervised Internship (1-6 credits)
SOAA 5870. Internship Placement Report (3 credits)
SOAA 5900. Independent Studies (1-3 credits)
SOAA 5989-99. Cooperative Education (1-3 credits)
SOAA 5990. Readings and Research (3 credits)

Social Work

SOWK 1010. Introduction to Social Work (3 credits) — Introduces students to the profession of social work and provides an overview of the professional knowledge, skills, and values necessary for generalist social work practice. Students are introduced to the historical evolution of social work, the history of social welfare, the various fields of social work practice nationwide and in the Appalachian region, and general systems theory.

SOWK 1100. Social Service Resources (1 credit) — Prerequisites or co-requisites: SOWK 1010 and major status. Designed to provide students the opportunity to develop and demonstrate knowledge and understanding of social work agencies and clientele. Additionally, the development of self-awareness is expected, particularly as related to the student's own suitability for social work in specific agencies.

SOWK 2400. Rural and Appalachian Culture (3 credits) — Designed to provide an understanding and appreciation of the unique cultural characteristics of rural and Appalachian people, with a focus on the impact of major social institutions, e.g., family, religion, social welfare, education, and economics. The purpose is to enable students to understand the role of generalist social work practice in rural areas and in Appalachia and prepare them to become more effective service providers in the region.

SOWK 2500. Interviewing and Recording Skills (3 credits) — Prerequisite or Co-requisite: SOWK 1010. Provides a beginning knowledge base and the development of interviewing and recording skills essential for generalist social workers and those pursuing other service professions. The focus of this course is on interviewing and recording techniques which can be applied to all levels of social work practice. The student is given an opportunity to develop interviewing and recording skills through the use of role play and videotaped scenarios. Systems theory is applied to the conscious selection of techniques to be used with various populations at different levels of practice.

SOWK 3000. Human Behavior/Social Environment I (3 credits) — Prerequisite: SOWK 1010, PSYC 1510, and one of the following: BIOL 1010/11, 1020/21, 1110/11 or HSCI 2010/11. Prerequisite or co-requisite: HDAL 2310. Emphasizes the understanding of human behavior, both individual and family, from a person-in-environment perspective. Cultural and lifestyle conditions which produce various traditional and diverse behaviors are examined with some focus on Appalachian lifestyles. Included are factors such as gender and race as determinants of behavior. The general systems approach is used as a foundation upon which to understand human behavior in the social environment. Students are expected to apply this knowledge to generalist social work practice.

SOWK 3010. Human Behavior/Social Environment II (3 credits) — Prerequisite: SOWK 1020 and SOWK 3000. Provides a social work orientation to the understanding of human behavior in large groups, communities, and formal organizations. Its purpose is to explain the social systems and critical analytic perspectives and thus provide the student with a foundation sufficient to integrate knowledge about groups, communities, and organizations. Students should then be able to apply that knowledge in generalist social work practice. Emphasis is placed on institutional sexism and racism.

SOWK 3330. Cultural Diversity in SW Practice (3 credits) — The purpose of this course is to introduce the knowledge necessary for social work practice with disadvantaged and oppressed groups over-represented in the field of social work. It critically examines how personal and professional values, beliefs, and behaviors affect work with diverse people. This course will provide critical analysis of issues of power, race, ethnicity, class, gender, sexual orientation, religion, physical/mental ability, and age as they apply to holistic social work practice.

SOWK 3430. Social Welfare Policy and Services (3 credits) — Prerequisites: PSCI 1120, SOWK 1010. Provides a foundation for knowledge building in the nature, history, and structure of societal efforts to meet perceived personal and social needs through the legislative, judicial, and administrative arenas. Its purpose is to enable students to develop beginning practice skills in the construction, analysis, and implementation of social welfare policy at local, state, and national levels. General systems theory and a critical/analytic approach will provide the student with a foundation to apply knowledge and enrich understanding.

SOWK 3462. Social Services for Children (3 credits) — Focuses on the development of child welfare programs and services, contemporary issues such as child neglect and abuse, and modes of professional intervention on behalf of children and families. Particular emphasis will be given to service provision in the Appalachian region.

SOWK 4210. Social Work Research (3 credits) — Prerequisite: MATH 1530, CSCI 1100, SOWK 1010. This course is designed to provide students with an understanding and an appreciation for the scientific approach. Students will have the opportunity to understand how the scientific approach is used to build a knowledge base for generalist social worker practice and how it is used to evaluate practice/program effectiveness. Standards for ethical behavior applicable to the scientific process will be presented and discussed. Furthermore, this course will require the student to become involved in understanding and applying qualitative/quantitative methods, data analysis techniques, practice/program evaluation designs, and in raising pertinent social work research questions. This course will also require students to critically evaluate research articles pertinent to generalist social work practice. Finally, issues pertaining to applying research designs to populations at risk will be examined.

SOWK 4310. Social Work Practice I (4 credits) — Prerequisite: SOWK 2500, 3000, and formal admission to the social work major. This is the first of two courses providing the general method as a practice framework for beginning social work practice. Building on foundation knowledge, values, and skills introduced in SOWK 2500, this course emphasizes an ecological-systems approach to problem solving. Students further develop this foundation as it relates to engagement, data collection, assessment, intervention, evaluation, and termination phases in service delivery with a variety of systems. Primary emphasis is on micro/group systems. Students will learn how to work effectively without bias or discrimination. Students will participate in community-based learning experiences.

SOWK 4320. Social Work Practice II (4 credits) — Prerequisites: SOWK 3010 and 4310. Prerequisite or Co-requisite: SOWK 3430 This is the second of two courses providing the general method as a practice framework for beginning social work practice. Building particularly on the foundation provided in SOWK 2500, 3010, and 4310, this course moves the beginning generalist practitioner to more complex macro systems. Emphasis is placed on the problem-solving techniques of problem identification, research and data collection, assessment, design, and planning of various strategies, implementation, and evaluation. Non-discriminatory practice is reinforced. Students will participate in community-based learning experiences incorporating program planning and development activities.

SOWK 4367/5367. Seminar in Alcohol and Drug Abuse (3 credits) — Provides the student with a basic understanding of alcohol and drug abuse. Specifically, the student is introduced to the various classifications of drugs, specific abuse symptomatology, and specific causes of drug abuse. The characteristics of high-risk groups are examined along with various treatment models and preventive efforts. General systems theory provides the framework for looking at this societal problem and professional involvement with it. Attention is given to the regulations controlling the use of drugs in society.
SOWK 4453. Social Work Field Experience (16 credits) — 
Prerequisite: Senior status, completion of all required major courses and General Education Core courses, an overall GPA of 2.25 and a GPA of 2.5 in required major courses. A one-semester-block field experience placement involving over 500 clock hours of educationally directed and professionally supervised social work activities in a social service setting in Appalachia. In addition, the student is required to participate in regularly scheduled field integration seminars on campus. The student will be expected to make applications of the theoretical knowledge and skills acquired throughout the curriculum. The student should build on this knowledge and these skills in order to progressively engage in various roles of intervention employing a variety of interventive techniques. The purpose of the course is to enable the student to further develop generalist practice skills and integrate professional knowledge, values, attitudes, and theory with practice.

SOWK 4467/5467. Seminar in Social Work (3 credits) — 
Prerequisite: Preparing for licensure as a school social worker. Explores policies, practices, historical developments, and legislative trends affecting social work services in schools. School-community relationships are examined as well as the impact of societal attitudes upon schools. Special emphasis is placed on the theory and practice expressed by the Tennessee Department of Education’s “Minimum Competency Requirements-School Social Workers K-12,” “Criteria for the Evaluation of School Social Workers,” and NASW Standards of Social Work Services in schools.

SOWK 4517/5517. Crisis Intervention (3 credits) — 
Explores the various types of crises and approaches to crisis intervention relative to professional practice utilizing general systems theory as the basic underlying framework. The student will engage in role play, simulations, and games, to develop beginning professional skills needed to work with individuals, families, groups, and communities in crisis.

SOWK 4567/5567. Human Sexuality (3 credits) — Provides the student with an initial understanding of human sexuality, sexual dysfunction, treatment modalities and resources, preventive programs, and sex education. This course will introduce students to changing sexual norms, values, and behavior found among the majority and ethnic and special groups. Furthermore, the course will introduce the student to how sexual behavior is learned and developed, i.e., psychosocial development and cultural impact. The course has the general purpose of providing students with the opportunity for value clarification and exploration of personal and social attitudes toward varying forms of sexual behavior and orientation. It also has the purpose of encouraging students to feel more comfortable and to accept the appropriateness of their professional involvement in this area.

SOWK 4900. Directed Independent Study (Variable: 1-3 credits) — 
Prerequisite: Permission of instructor and major status. Directed independent study on a topic related to social work practice which is of special interest to the student. The purpose is to enable students to utilize research knowledge and skills in pursuing in depth a special area of interest. Such students will be provided guidance and direction by a faculty member who has expertise in the area of study.

SOWK 4928. Honors Study (3 credits) — Prerequisite: Permission of instructor. Directed independent study on a topic related to social work practice which is of special interest to the student. The course is limited to senior social work majors who have attained a grade point average of 3.0 or above and show exceptional promise for the profession. The purpose is to enable students to utilize research knowledge and skills in pursuing a special area of interest in depth. Such students will be provided guidance and direction by a faculty member who has expertise in the area of study to be pursued by the student.

SOWK 4957/5957. Special Topics in Social Work (3-6 credits) — Prerequisite: Junior or senior status. Graduate students, after consultation with the instructor, will be permitted to enroll in some topics. Selected topics that relate to fields of practice or current issues in the profession. Two three-credit courses may be taken on different topics.

Spanish

SPAN

SPAN 1010-20. Beginning Spanish (3,3 credits) — A study of the four language skills of speaking, listening, reading and writing. Includes introduction to Hispanic culture.


SPAN 3003. Basic Spanish Grammar (3 credits) — Prerequisite: SPAN 2020 or equivalent. A review of basic Spanish structures, such as the uses of ser and estar, object pronouns, and verb conjugation. This course is designed to consolidate the language skills acquired in the introductory-level courses and to build communicative skills and cultural competency.

SPAN 3013-3113. Spanish Conversation and Composition (3.3 credits) — Prerequisite: SPAN 2020 or equivalent. Practice in conversation, with emphasis on idioms, syntax, and current expressions. Study of grammar through written compositions.

SPAN 3033. Hispanic Readings and Composition (3 credits) — Prerequisite: SPAN 2020 or equivalent. An introduction to Hispanic literature with emphasis on writing.

SPAN 3213. Spanish Phonetics and Pronunciation (3 credits) — Prerequisite: SPAN 2020 or equivalent. An introduction to the phonetic system of Spanish and its spoken peculiarities in the Hispanic world.

SPAN 3313. Civilization of Spain (3 credits) — Prerequisite: SPAN 2020 or equivalent. Geography, history, and culture of Spain.

SPAN 3413. Civilization of Latin America (3 credits) — Prerequisite: SPAN 2020 or equivalent. Geography, history, and culture of Latin America.

SPAN 3513. Survey of Spanish Literature (3 credits) — Prerequisite: SPAN 2020 or equivalent. Representative works from Spanish literature.

SPAN 3613. Survey of Spanish-American Literature (3 credits) — Prerequisite: SPAN 2020 or equivalent. Representative works from Spanish-American literature.

SPAN 3713. Hispanic Poetry (3 credits) — Prerequisite: SPAN 2020 or equivalent. Works of the principal poets of Spain and Spanish America.

SPAN 4007/5007. Golden Age Drama (3 credits) — Prerequisite: SPAN 2020 or equivalent. A study of the origins of the Spanish theatre through the 17th century, with particular emphasis on Lope de Vega, Tirso de Molina, Juan Ruiz Alarcon, Calderon de la Barca, and Francisco de Rojas Zorrilla.

SPAN 4017/5017. Advanced Spanish Grammar I (3 credits) — Prerequisite: SPAN 2020 or equivalent. A study of complex grammatical aspects of the language such as ser vs. estar, preterite vs. imperfect, and the subjunctive.

SPAN 4027/5027. Advanced Spanish Grammar II (3 credits) — Prerequisite: SPAN 2020 or equivalent. A study of complex grammatical aspects of the language such as the subjunctive in adverbial clauses, prepositions, placement of descriptive adjectives, pronouns, verbs used reflexively, and the passive voice.

SPAN 4107/5107. Cervantes (3 credits) — Prerequisite: SPAN 2020 or equivalent. A study of the representative works of Miguel de Cervantes Saavedra, with special emphasis on the Quijote.

SPAN 4117/5117. Hispanic Cinema (3 credits) — Prerequisite: SPAN 2020 or equivalent. A study of cinematic works from Latin America and Spain within the context of Hispanic literature and culture.

SPAN 4127/5127. Introduction to the Spanish-Speaking Community (3 credits) — Prerequisite: SPAN 2020 or equivalent. This is a community-based course which provides students with the knowledge and skills to effectively interact with members of Spanish-speaking communities in both social and professional contexts. This course teaches cultural competence and diversity through an interdisciplinary approach involving students and faculty in the promotion of cordial, supportive, and effective relationships between Spanish-speaking and English-speaking community members. Students complete substantial field experience in Spanish-speaking communities.

SPAN 4137/5137. Translation and Community Outreach (3 credits) — Prerequisite: SPAN 2020 or equivalent. This course teaches basic translation skills through an interdisciplinary approach involving students and faculty in the promotion of cordial, supportive, and effective relationships between Spanish-speaking and English-speaking community members. This course includes a number of projects in the community.

SPAN 4147/5147. Interpretation and Community Outreach (3 credits) — Prerequisite: SPAN 2020 or equivalent. This course teaches basic interpretation skills through and interdisciplinary approach involving students and faculty in the promotion of cordial, supportive, and effective relationships between Spanish-speaking and English-speaking community members. This course includes a number of projects in the community.

SPAN 4207/5207. Nineteenth-Century Spanish Literature (3 credits) — Prerequisite: SPAN 2020 or equivalent. Selected works by the principal 19th-century novelists and dramatists of Spain.

SPAN 4307/5307. The Generation of ‘98 (3 credits) — Prerequisite: SPAN 2020 or equivalent. The origins, development, and influence of this early 20th-century renaissance of Spanish letters, with attention given to the most representative poets, dramatists, and novelists of the period.
Graduate Course Listings

For descriptions and prerequisites see the Graduate Catalog.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPAN 4407/5407</td>
<td>Twentieth-Century Spanish Literature (3 credits) — Prerequisites: SPAN 2020 or equivalent. Selected works by the principal 20th-century novelists and dramatists of Spain.</td>
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<tr>
<td>SPAN 4507/5507</td>
<td>Spanish Short Story (3 credits) — Prerequisites: SPAN 2020 or equivalent. Spanish and Spanish-American short stories from the 19th and 20th centuries.</td>
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<tr>
<td>SPAN 4607/5607</td>
<td>Modernist Movement in Spanish America (3 credits) — Prerequisites: SPAN 2020 or equivalent. A study of Rubén Darío, his contemporaries and followers.</td>
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<tr>
<td>SPAN 4707/5707</td>
<td>Spanish-American Theatre (3 credits) — Prerequisites: SPAN 2020 or equivalent. Selected works of the principal 19th- and 20th-century dramatists of Spanish America.</td>
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<tr>
<td>SPAN 4737/5737</td>
<td>Art at the Prado Museum (3 credits) — Prerequisites: SPAN 2020 or equivalent. A study of the major school of painting at the Prado, with emphasis on the Spanish artists.</td>
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<tr>
<td>SPAN 4807/5807</td>
<td>Spanish-American Novel (3 credits) — Prerequisites: SPAN 2020 or equivalent. Selected works by the principal novelists of Spanish America.</td>
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<tr>
<td>SPAN 4903</td>
<td>Special Studies in Spanish (1-3 credits) — Prerequisites: SPAN 2020 or equivalent. Designed to provide opportunities for study in areas not provided for in regular course offerings for undergraduates. Students desiring to enroll must obtain permission from the instructor.</td>
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Speech

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPCH 1300</td>
<td>General Speech (3 credits) — A study of effective intrapersonal, interpersonal, group, and public communication as well as an introduction to communication theory and nonverbal communication.</td>
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<tr>
<td>SPCH 2300</td>
<td>Public Speaking (3 credits) — The study and practice of preparing, delivering, and analyzing public speeches.</td>
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<tr>
<td>SPCH 2230</td>
<td>Argumentation and Debate (3 credits) — An introduction to oral argumentation and debate, including case construction techniques, case analysis and criticism, and research methods.</td>
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<tr>
<td>SPCH 2330</td>
<td>Communication Theory (3 credits) — This course applies modern and traditional communication theories as analytical tools to understand how communication operates in a variety of settings.</td>
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<tr>
<td>SPCH 2999</td>
<td>Cooperative Education (1-3 credits)</td>
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<tr>
<td>SPCH 3300</td>
<td>Analysis and Criticism: Qualitative Research (3 credits) — A study of formats for analyzing and evaluating persuasive speeches, essays, editorials, television programs, and advertisements.</td>
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<tr>
<td>SPCH 3310</td>
<td>Intrapersonal Communication Processes (3 credits) — A study of those processes that take place within communicators as they speak, listen, and process information with special emphasis on the functional and dysfunctional effects of those processes on the cognitive domain.</td>
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<tr>
<td>SPCH 3330</td>
<td>Quantitative Communication Research Methods (3 credits) — Prerequisites: SPCH 1300, 2300, 2330 or permission of instructor. A study of the methods and issues concerning designing, implementing, and evaluating communication research in intrapersonal, interpersonal, group, public speaking, and mass media situations.</td>
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<tr>
<td>SPCH 3350</td>
<td>Interpersonal Communication (3 credits) — A study of the theoretical foundations and the applied practice of interpersonal and relational communication.</td>
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<tr>
<td>SPCH 3380</td>
<td>Dynamics of Group Leadership (3 credits) — A study of communication in small groups with emphasis on building leadership skills and improving group problem-solving efforts.</td>
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<tr>
<td>SPCH 3390</td>
<td>Persuasion (3 credits) — A study of available means of influencing another person/group and conducting mass campaigns and advertising. Emphasis is on influence through the speech medium, but other verbal and nonverbal channels of persuasion are considered.</td>
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East Tennessee State University
Special Education

SPED 2300. Exceptional Learners in Schools and Communities (3 credits) — This course will enable the student to identify the psychological, physical, educational, medical, behavioral, and learning characteristics and needs of individuals with various disabilities, as well as students from diverse cultural, social, ethnic, and racial backgrounds and adopt instructional techniques to fit individual needs. Inclusion of students with disabilities will be emphasized. An understanding of legislation, regulations, and litigations related to serving individuals with disabilities will enable the student to correlate individualized educational programs with the principles of normalization and least-restrictive environment. The integration and working relationships of families, school, vocational, and local service agencies will be addressed to provide an understanding of assistance and referral networks. Students are required to volunteer 10 hours over the course of the semester in a setting with individuals with disabilities. (Every semester)

SPED 3300. Instructional Methodology in Special Education (3 credits) — This course prepares the teacher candidate to design, implement, and evaluate instructional sequences and overall effectiveness of school programs serving learners with special needs. Students learn to incorporate information from assessments into Individualized Educational Program objectives, write and sequence annual and short-term goals, emphasizing parent involvement, values, and choice, and implement research-supported instructional strategies and practices. (Fall semester)

SPED 3322. Early Intervention Strategies for the Exceptional Child (3 credits) — A lecture course designed to relate child development to the social, educational and familial needs of the child with disabilities. This course will cover the various characteristics of young children, and their families, across and within classification. Particular emphasis will focus on how these traits impact on the child's developmental rate, abilities, and sequence. Some intervention strategies will be covered. A field experience in an early childhood program will be required.

SPED 3350. Medical Aspects in Special Education. (3 credits) — Prerequisite: SPED 2300. This course provides information on the medical aspects of developmental disabilities. This course will provide students with a general knowledge of the medical conditions more commonly seen in children with disabilities. It will familiarize students with common terminology, medications, procedures, equipment, and interventions used with children with medical complications frequently related to developmental disabilities. Regulation covering teacher responsibilities in regards to medical conditions will be covered. (Fall semester)

SPED 3365. Integrating Functional Skills into Curriculum (3 credits) — This course provides curriculum approaches and strategies to enable the student to design, implement and monitor functional and age-appropriate programs for children and youth with moderate and severe disabilities in both school and community-based settings. Course content is to include domestic living, community mobility and social instruction, prevocational and vocational training. The course content will cover the various characteristics of young children with disabilities, and their families, across and within classification. Particular emphasis will focus on how these traits impact on the child's developmental rate, abilities, and sequence. Some intervention strategies will be covered. A field experience in an early childhood program will be required.

SPED 3360. Behavior Management for Individuals with Disabilities (3 credits) — Prerequisite: SPED 3300, Admission to Teacher Education. Co-requisite: SPED 3410. A course designed to provide the student with opportunities to learn about and practice various management techniques appropriate for children with disabilities in normal and special settings. (Spring semester)

SPED 3410. Preclinical Experience in Behavior Management (1 credit, may be repeated) — Co-requisite: SPED 3400. Preclinical experience in special education is a supervised opportunity for students to gain experience in classroom and other settings which provide direct instruction to children and youth with disabilities. The student will work with the classroom teacher to target classroom behavior problems and develop, implement, and evaluate the effects of interventions for that behavior. (Spring semester)

SPED 3445. Assistive Technology (3 credits) — This course provides an in-depth examination of the applications of assistive technology for individuals with disabilities as it relates to teaching and learning in special education. Existing research with students with special needs will be reviewed, and new applications of existing and developing technology will be explored. Laboratory work with computer technology will be required. This course meets the requirements for a Technology Intensive. (Fall and Spring semester)

SPED 4237/5237. Educating Persons with Learning Disabilities (3 credits) — This course addresses the process of assessing, designing, and delivering instruction to students with learning disabilities. Philosophical and practical perspectives will be integrated into a supportive framework of best practices that encompass both diagnosis and intervention. The latest research findings and most current practices in identifying and providing instruction to students with learning disabilities are incorporated. In addition, students are presented with information regarding the specific academic and social areas needed for instruction.

SPED 4350. Special Education Workshop (1-3 credits) — Special workshops covering various types of exceptionalities and issues associated with exceptionality.

SPED 4472/5427. Educating Persons who are Gifted (3 credits) — This course provides an in-depth examination of the special needs of children who are gifted and talented. Topics covered include definitions and characteristics of gifted and talented, content modifications for the gifted, and information-processing strategies.

SPED 4467/5467. Educating Persons with Emotional/Behavioral Disorders (3 credits) — This course presents an overview of educational procedures for teaching students with emotional/behavioral disabilities. An emphasis is placed on characteristics, assessment, and instructional strategies for teachers to use when instructing students who exhibit emotional/behavioral problems. Field experience is required.

SPED 4477/5477. Special Education Assessment (3 credits) — This course covers both formal, informal, curriculum-based diagnostic and assessment instruments. Their usefulness and non-usefulness will be covered. Students will have experience in the administration and scoring of at least one nationally norm-referenced test. Students will complete one case study. (Spring semester)

SPED 4487/5487. Collaboration with Families, Agencies, and Schools (3 credits) — This course is designed to introduce students to the principles, problems, and procedures of working in collaboration with parents of individuals with disabilities as well as with agencies and professional organizations involved in the delivery of services to persons with disabilities. The course provides an overview of different approaches, current issues, and problems involved in working in collaboration with families and multiple agencies. Emphasis is placed on serving as a member of a professional team, interviewing and consulting with teachers and parents, and providing leadership in instruction and instructional adaptation. (Spring semester)

SPED 4497/5497. Special Education Curriculum (3 credits) — This course provides information on effective curriculum and instructional approaches used to help students with mild disabilities achieve mastery and proficiency in academic skills. Research-based approaches to teaching students with mild disabilities in the areas of reading, content area instruction, and study skills will be covered. (Spring semester)

SPED 4627/5627. Educating Persons with Mental Retardation (3 credits) — This course discusses a variety of topics related to the field of mental retardation. Specific topics include the following: types, nature, and causes of mental retardation; characteristics of persons with mental retardation; assessment and identification procedures; and instructional strategies relating to the education of persons with mental retardation. Field experience is required.

SPED 4700. Adaptations and Modifications for the Inclusive Classroom (3 credits) — Co-requisite: SPED 4710. This course is designed to provide the student with skills needed to interpret curriculum guidelines and develop goals and objectives for students with disabilities of all grade levels to function in the least restrictive environment. Students will develop the ability to select and adapt strategies and materials to teaching styles of students with disabilities or students identified as being at risk for future learning problems. Research-based approaches to teaching mathematics and written and oral language will be covered. This course meets the requirements for a Writing Intensive Course. (Fall semester)

SPED 4710. Preclinical Experience in Special Education (2 credits) — Co-requisite: SPED 4700. Preclinical experience in special education is a supervised opportunity for students to gain experience in the classroom and other settings which provide direct instruction to children and youth with disabilities. Techniques designed to increase task engagement and facilitate inclusion of students with special needs into the general education classroom will be explored and practiced. Sixty hours of field work is required. (Fall semester)
SPED 4725. Management Strategies for Individuals with Severe Behaviors (3 credits) — Prerequisite: SPED 3400 and Admission to Teacher Education OR consent of the instructor. This course is designed to instruct students in management strategies related to persons with disabilities who demonstrate severe challenging behaviors. Particular emphasis will be given to functional assessment but the course will include instruction in ecological assessment, data-based decision making, and instructional strategies that can be used to develop interventions for children and youth with severe behavior disorders. There is a requirement for a functional behavioral assessment of a student or adult with a challenging behavior. (Fall semester)

SPED 4750. Instructional and Transitional Services for Adolescents and Young Adults with Disabilities (3 credits) — Prerequisite: Admission to Teacher Education. This course is designed to provide the student with skills to implement a transition program from school to career and daily living for individuals with disabilities, regardless of category of handicap, of all age levels. Areas to be covered include vocational/career assessment, design and implementation of individualized programs utilizing integration of the roles of family, agencies, and business and industrial community. (Fall semester)

SPED 4757/5757. Curriculum-Based Assessment (3 credits) — This course is designed to help students acquire assessment skills needed to make instructional decisions, monitor progress and promote successful participation in the general education and special education curricula. Classroom-based methods of curriculum, learning, performance, and behavioral assessments will be presented; including data collection, designing and implementing interventions making curricular adaptations, and using data to make instructional decisions. (Fall semester)

SPED 4850. Student Teaching in Special Education (12 credits) — Prerequisite: Admission to Teacher Education and Student Teaching. Co-requisite: EDFN 4581. Student teaching in Special Education is a prearranged, supervised student teaching experience in a special education setting for one semester, leading to licensure in modified and/or comprehensive special education. Over the course of the semester the students will increase their roles in the classroom, culminating in assuming the roles and responsibilities of a fully functioning special educator. Written plans, journal, and student teaching portfolio will be developed and maintained. Placements will be made within a 45-minute radius of ETSU main campus. (Fall and Spring semester)

SPED 4957/5957. Special Topics in Special Education (1-6 credits)

Graduate Course Listing
For descriptions and prerequisites see the Graduate Catalog.

SPED 5001. Critical Issues in Special Education (3 credits)

SPED 5365. Integrating Functional Skills into the Curriculum (3 credits)

SPED 5410. Preclinical Experience: Behavior Management (1 credit)

SPED 5445. Incorporating Assistive Technology into the Curriculum (3 credits)

SPED 5700. Instructional Techniques for the Inclusive Classroom (3 credits)

SPED 5725. Management Strategies for Severe Behaviors (3 credits)

SPED 5750. Transition to Adult Life & the Work of Work for Individuals with Disabilities (3 credits)

SPED 5825. Preclinical Experience in Curriculum (1 credit)

SPED 5850. Clinical Experience in Special Education (6 credits)

Service-Learning

SRVL 1020. Introduction to Service-Learning in the Community (3 credits) — This course allows the student to study the role of the volunteer and to be involved in service and learning in area agencies in order to provide a bridge between the campus and community populations. Integral components of class time include critical thinking, reflective practices as related to service, and honing the caring capacity of the individual. Emphasis is placed on written and oral expression and on exposing the student to potential career choices. Requires a 40-hour service placement and a one-day service project with students from other campuses.

SRVL 2000. Advanced Service-Learning (3 credits) — Prerequisite: Completion of SRVL 1020 or instructor permission. A continuation of work of introductory course. Group work to produce a project of lasting community impact, area Agency tours, and in-depth study of issues.

SRVL 3000. Cherokee Immersion Project (3 credits) — Six-week course offered in pre-summer and first session. Students study the history and culture of the Cherokee prior to spending three weeks camping on Qualla Boundary, N.C., and participating in service projects designated by the Cherokee. Permission of instructor required. Students must also register for PHED 2555 Outdoor Living Skills. Students must contact instructor(s) for interview prior to registering for courses.

SRVL 4000. Ecomposition: Reflective Writing in the Field (3 credits) — Prerequisite: Permission of instructor. The course will introduce students to a different way of seeing and exploring their world through reflective writing, emphasizing place and the role of humans in that place. Requiring service-learning and travel, the course may be offered in conjunction with other courses. The class will be available in summer only.

Surveying and Mapping Science

SURV 1038. Honors Orientation Seminar (1 credit) — Prerequisite: Admission to College of Applied Science and Technology or University Honors Program. This course will fully orient the student to the College expectation for an honors student. Discussion and activities will relate to preparation for academic success and developing information technology skills.

SURV 1510. Student in University (3 credits) — This course is meant to provide guidance to first-year university students as they begin their search for directions to take in self-definition, intellectual growth, career choices, and life skills.

SURV 2038. Honors Professional Ethics (3 credits) — Prerequisite: Admission to the College of Applied Science and Technology or University Honors Program and Sophomore standing. A case-study approach to basic ethical issues likely to confront engineer, computer scientists, family and consumer scientists, geographers and surveyors in their professional practices.

SURV 2550. Surveying Measurement Fundamentals (4 credits) — Prerequisite: MATH 1720 or equivalent. Principles of field data acquisition; measurements of distance, angle, and elevation using tapes, transits, and levels; basic surveying computations of elevations, directions, traverse closures and areas; magnetic directions; preparation of topographic maps from radial measurements; basic measurement error theory. Lectures and field laboratories.

SURV 2560. Surveying Graphics (4 credits) — Prerequisite: One year of technical drawing or equivalent or permission of instructor. Graphical communication in surveying and mapping; fundamentals of projection; map projection theory; 3-D viewing; special relationships and viewpoints; tracing, plotting and drafting maps, plots, profiles, cross-sections, sketches for field notes and presentations in technical reports; map accuracy standards; plotting data from field notes; contour theory; computations related to survey drafting.

SURV 3030. Technical Communication (3 credits) — Prerequisite: ENGL 1010 and 1020. A comprehensive study of technical and professional communication in written and oral form. Covers rhetorical principles and their application in a variety of types of business correspondence, reports, and technical/scientific documents. Lecture and classroom exercises.

SURV 3048. Honors Methods of Research (3 credits) — Prerequisite: Admission to the College of Applied Science and Technology or University Honors Program. Analysis of the materials and methods of research appropriate to Applied Science and Technology.

SURV 3510. Engineering and Construction Surveys (4 credits) — Prerequisite: SURV 2550; Co-requisites: SURV 2560, ENTC 2170 or permission of instructor. Route and construction surveying, instrument adjustment and calibration, use of optical and electronic measuring instruments, large-scale site surveying and mapping, mine surveying, and miscellaneous field surveys. Lecture and laboratories.

SURV 3520. Land Survey Systems (2 credits) — Prerequisite: SURV 2530. The historical development, description, and basic legal land boundary elements related to the land survey systems in the U.S.; state plane coordinate systems; deed, plat, and other land boundary-related recording systems; concept of the cadastre.

SURV 3530. Survey Measurement and Computational Analysis (4 credits) — Prerequisites: MATH 1910, SURV 3510. Nature of measurement, statistical analysis of random errors in measurements, propagation of errors, survey standards and design specifications; development of coordinate geometry and trigonometric solutions of plane surveying problems; programming hand-held field computers; analysis of errors and mistakes in indirect measurement.
SURV 3540. Surveying Projects (3 credits) — Prerequisite: SURV 2560 and 3510; Co-requisite: SURV 4530, 4540, 4550, ENTC 4227 or permission of instructor. Projects utilizing principles learned in previous courses, with emphasis on training as group leader and in team participation to analyze and solve surveying field problems arising in surveying practice; planning and execution of projects; field identification of natural and man-made features.

SURV 3550. Advanced Surveying Mathematics (3 credits) — Prerequisite: SURV 3530; Co-requisite: MATH 2010 and CSCL 1250/1310/2100. Mathematical methods used in surveying sciences; weights of observations; precision of indirectly determined quantities; error ellipses; 2-D and 3-D coordinate transformations; least squares adjustments of survey data with applications to observed data with redundant measurements; computer programming of survey adjustments.

SURV 3560. Geodetic Science (4 credits) — Prerequisite: MATH 1910, SURV 3510 and 3520. Application of spherical trigonometry to earth measurements; ellipsoids, spheroids, flattening, eccentricity; use of geodetic control; relationship between longitude, latitude, and state plane coordinates; geodetic leveling and traverse; astronomical observations for precise azimuth, latitude, and longitude; crustal movements, tides, seismic soundings; satellite observations, and GPS.

SURV 4018. Honors Thesis (3 credits) — Prerequisite: Satisfactory completion of all college honors classes and advisor approval. This thesis is a capstone academic experience bringing into focus the result of the student’s learning and career interest.

SURV 4048. Honors International Study (3 credits) — Prerequisite: Satisfactory completion of all College of Applied Science and Technology Honors courses or college honors committee approval. This course will consist of a two-week international study and cultural experience in addition to a pre-tour orientation.

SURV 4517/5517. Photogrammetry (4 credits) — Prerequisite: SURV 3510, and 3520, or permission of instructor. Use of aerial photographs for mapping; geometry of single photo and stereographic models; scale and relief displacement; vertical and tilted photos; parallax; photo mosaics; ground control; stereoplotters; resection; orthophotos; oblique photos; remote sensing. Lecture and laboratory.

SURV 4520. Survey Science Topics (3 credits) — Prerequisite or Co-requisite: SURV 3510. An overview of surveying and mapping sciences not covered in other courses, including hydrographic surveying, hydrology, mine surveying, map projections computations, cartographic mathematics, surveying business practice, and similar subjects.

SURV 4537/5537. Land Boundary Location (4 credits) — Prerequisite: SURV 3510 and 3520 or three years experience in surveying or in real estate. Role of the surveyor in retracing land boundaries; methods of boundary establishment; classification and analysis of boundary evidence; laws governing riparian boundaries; preparing deed descriptions and survey plats; preservation of survey evidence; surveyor as expert witness; ethics, liability, and professionalism in surveying. Lecture and laboratory.

SURV 4547/5547. Land Subdivision and Platting (4 credits) — Prerequisite: SURV 4537 or permission of instructor. Physical elements of designing land subdivisions including circulation systems, sewer systems, drainage systems, soils and earthwork grading considerations, erosion control, lot and block arrangement, topography and existing land use factors, geometric analysis procedures, presentations to city planning and zoning boards.

SURV 4550. Automated Surveying and Mapping (3 credits) — Prerequisite: SURV 3510 CSCL 1250/1310/2100 and third-year standing in surveying. Use of computer-aided drafting and mapping from surveyed field data; familiarization with hardware and software available for surveying and mapping computations and drafting; data storage and output from automated devices used in surveying; use of total stations and electronic field data collection systems, field-to-finish projects.

SURV 4567/5567. Positioning with GPS (3 credits) — Prerequisite: SURV 3560 or permission of instructor. A course designed to utilize GPS for data collection and post-processing, methods for adjusting networks, explore the reliability of networks, use of continuously operating reference systems (CORS), geometry of satellite constellation, vector processing strategies, the effects of atmospheric constraints on long baselines, use of on-the-fly technology, precise ephemeris generation, and differential corrections.

SURV 4617/5617. Digital Imagery Processing (3 credits) — Prerequisite: MATH 1920, SURV 4517/5517, GEOG 4237 or permission of instructor. Use of software to analyze, enhance, and display satellite images from many sources. Project-based course to determine needs for land use planning, environmental preservation, and sustainable development. Presentations to local planning authorities and other interested parties.

SURV 4900. Independent Study in Surveying and Mapping Science (1-6 credits) — Prerequisite: Minimum of nine credits earned in the subject area and approval of the instructor who will supervise the study. A surveying/mapping problem by arrangement with a faculty member. An independent study plan is developed, approved, and then competed. Usually a technical report and laboratory/field experience are required.

SURV 4957/5957. Special Topics in Surveying and Mapping Science (1-6 credits) — Special topics of current interest to groups of students concerning content not presented in regular course offerings. May be repeated for credit if materials covered are significantly different or advanced.

Theatre

THEA 1030. Introduction to the Theatre (3 credits) — A study of the dramatic arts and modes of theatrical production for the understanding and appreciation of the living theatre as a cultural force in society.

THEA 1800. Theatre Laboratory (1 credit) — Practical directed experience working on a construction and/or running crew for an ETSU Theatre production. Experience can be in scenery, lighting, costuming, makeup, properties, sound, or box office. Type of experience is determined by the instructor.

THEA 2200. Oral Interpretation of Literature (3 credits) — Interpretation and oral performance of poetry, prose, and drama. Includes theory, structure, and style.

THEA 2500. Creative Drama (3 credits) — Methods of organizing and developing rhythmic movement, story dramatization, improvisation, and related dramatic activities for children.

THEA 2510. Acting I (3 credits) — An introductory acting terminology and technique course, utilizing exercises, improvisations, research, and scene study.

THEA 2520. Stagecraft (3 credits) — The study of basic technical principles of scenery, lighting, and costuming with application of the techniques, materials, and stage equipment for the construction and handling of technical theatre devices.

THEA 2525. Makeup (1 credit) — Lecture and supervised laboratory in makeup for the stage, ranging from enhancement of personal facial features to complexities of age and character makeup.

THEA 2530. Dramatic Structure (3 credits) — Play analysis for the actor, director, designer or teacher of theatre.

THEA 2605. Theatre Practicum (1 credit) — Prerequisite: Permission of instructor or through audition, for freshmen and sophomore students only. May be repeated. Participation as a performer or stage manager in planning, rehearsal, and performance of an ETSU Theatre production under faculty direction.

THEA 2800. Theatre Laboratory (1 credit) — Practical directed experience working on a construction and/or running crew for an ETSU Theatre production. Experience can be in scenery, lighting, costuming, makeup, properties, sound, or box office. Type of experience is determined by the instructor.

THEA 2999. Cooperative Education (1-3 credits)

THEA 3330. Scene Design (3 credits) — Prerequisite: THEA 2520. A studio course in scenic design, covering the basic concepts of scenic design analysis and the creation of technical drawings for realizing scenic design. Students will also learn rendering and model building techniques.

THEA 3335. Lighting Design (3 credits) — Prerequisite: THEA 2520. Interpreting visual needs of scripts into lighting and color designs and translating designs to paper.

THEA 3400. Acting for the Camera (3 credits) — Prerequisite: THEA 2510. Acting techniques used in movies, television, industrial films, and commercials.

THEA 3500. Voice and Diction (3 credits) — Improvement in individual speaking voice; emphasis on articulation, correct breathing, vocal quality, and diction. Working for a standard American stage dialect.

THEA 3510. Acting II (3 credits) — Prerequisite: THEA 2510. Building characters. The Stanislavsky system utilizing exercises, improvisations, research, and realistic scene work.
THEA 3512. The Audition Process (3 credits) — Prerequisite: THEA 2510. Creating audition pieces, developing techniques for cold readings, developing resume, and understanding proper conduct at auditions and interviews.

THEA 3515. Theatre Movement (1 credit) — Development of the actor’s expressive skills, with particular attention to physicality, breath, gesture, and spatial awareness of the organization of the parts of the body through movement and stage combat exercises.

THEA 3520. Theatre History I (3 credits) — A study of the development of theatrical art through the Restoration and the 18th century in England, its role in the history of civilization, and its relation to other arts in society.

THEA 3525. Theatre History II (3 credits) — A study of the development of theatrical art from the 18th century, its role in the history of civilization, and its relation to other arts in society.

THEA 3530. Play Direction (3 credits) — Prerequisite: THEA 2510, 2520, or 2530. Basic principles of staging, picturization, composition, focus, movement, text analysis, directing, scoring, and actor/director relationships.

THEA 3800. Theatre Laboratory (1 credit) — Practical directed experience working on a construction and/or running crew for an ETSU Theatre production. Experience can be in scenery, lighting, costuming, makeup, properties, sound, or box office. Type of experience is determined by the instructor.

THEA 4417/5417. Teaching Theatre in Grades K–12 (3 credits) — A study of methods and materials for teaching theatre in elementary and secondary schools.

THEA 4527/5527. Advanced Scenographic Design (3 credits, repeatable) — Prerequisites: THEA 2520, 3330, 3335. May be repeated under each of the following areas: scenery, lighting, and costuming. The study of theatrical design principles and appropriate play analysis.

THEA 4537/5537. Advanced Play Direction (3 credits) — Prerequisite: THEA 3530. The planning of an actual production for performance for practical development of the fundamentals, methods, and procedures of play direction.

THEA 4547/5547. Dramatic Theory and Criticism (3 credits) — A study of the critical writings on the theory of dramatic form from Aristotle to the present with an understanding of philosophical and social foundations as they relate to theatrical standards of dramatic art.

THEA 4557/5557. Playwriting (3 credits) — Prerequisite: THEA 2530. A study of the organization of the parts of a play in dramas of different styles and types followed by exercises in writing dramatic exposition, characterization, and plot development for the foundation of an original play.

THEA 4607/5607. Theatre Practicum (1 credit) — Prerequisite: Permission of instructor through audition. May be repeated. For juniors, seniors, and graduate students only. Participation as a performer or stage manager in planning, rehearsal, and performance of an ETSU Theatre production under faculty direction.

THEA 4637/5637. Theatre Management (3 credits) — Procedures used in stage, house, and business management of a theatre operation.

THEA 4647/5647. Theatre Architecture and Design (3 credits) — Prerequisite: THEA 2520 and 3330 or permission of instructor. This course will survey the changes in the theatre architecture for the 5th Century B.C. to the present. Students in this course will learn about modern facility design practices and about federal and state laws that affect the design of both new facilities and renovation of existing facilities.

THEA 4707/5707. Theatre Internship (3-9 credits) — Prerequisite: Permission of department chair and concurrence of host theatre. Experience in professional non-academic theatre under supervision of professional staff. Interns may work in a single area of specialty or in rotation throughout host theatre's operation and may contract for single term or academic year.

THEA 4800. Theatre Laboratory (1 credit) — Practical directed experience working on a construction and/or running crew for an ETSU Theatre production. Experience can be in scenery, lighting, costuming, makeup, properties, sound, or box office. Type of experience is determined by the instructor.

THEA 4857/5857. Period Acting Styles (3 credits) — Prerequisite: THEA 3510. Acting styles from ancient Greece through Restoration, utilizing language, research, scene work, movement, and masks.

THEA 4867/5867. Summer Theatre Performance (3 credits) — Prerequisite: Permission of instructor through audition. Participation in rehearsals and performance of an ETSU Summer Theatre production under faculty or guest artist direction.

THEA 4900. Independent Studies (1-3 credits) — Prerequisite: Permission of instructor. May be repeated. Designed to provide opportunities for study in subject matter areas not provided in the regular course offerings.

THEA 4957/5957. Special Topics in Speech and Theatre (2-6 credits) — For descriptions and prerequisites see the Graduate Catalog.

Urban Studies

URBS 2610. Introduction to Public Administration (3 credits) — Introduction to contemporary topics in public administration: defining the field, operations of the federal administration, theories of public management, budgeting and staffing.

URBS 3100. Introduction to Urban and Regional Planning (3 credits) — An introductory survey of the modern and historical theories of urban and regional planning.

URBS 4018. Senior Honors Seminar (3 credits) — Prerequisite: ECON 3088 and admission to the College of Business Honors Program. A seminar for College of Business honors students who are working on senior honors theses or other approved projects. Upon successful completion of the course, students will have demonstrated the ability to complete the research process by creating a written product suitable for submission to the College of Business faculty.

URBS 4087/5087. Recreation and Tourism Planning (3 credits) — A survey of recreation and tourism in the United States and their effect upon regional economic development and planning.

URBS 4107/5107. Urban Geography and Planning (3 credits) — A geographical analysis of cities and urban regions. Urban growth patterns, location and interaction analysis, planning for urban regions and travel behavior are emphasized.

URBS 4347/5347. Economic Development Planning (3 credits) — An introduction to the complexities of local economic development planning. Useful for students wishing to become economic or planning specialists and for community leaders interested in creating development strategies.

URBS 4637/5637. Local and Regional Planning (3 credits) — Theories and techniques of planning for small cities, metropolitan areas, and geographic regions.

URBS 4905. Urban Studies Internship (3 credits) — Prerequisite: Must have completed a minimum of six semester credits at the upper-division level in the student’s major, junior or senior standing and a GPA of 2.7 or above. Students are selected through a competitive process for assignments in approved business or public-sector organizations as interns under the supervision of the internship coordinator and field placement supervisors. Students may not earn more than three semester credits for this course which can be used as a free elective or an elective within a business major with prior approval by the chair.

Women’s Studies

WMST

WMST 2010 Introduction to Women’s Studies (3 credits) — This is an introduction to the interdisciplinary academic field which has the triple focus of integrating information about women’s contributions to culture and history into the curriculum, uncovering and understanding structures of oppression (gender, race, and class), and exploring possibilities for change. Topics for reading and discussion will be drawn from material on social structures, law, language, history, religion, philosophy, the healing professions, and the arts. Articulating questions and points of view regarding issues related to gender is stressed. As a sophomore-level class, registration priority will be given to first- and second-year students; upper-level students may be able to register by permission of instructor.
ACC 1104. Principles of Accounting I (3 credits) — Prerequisite: Students should have the reading and writing skills appropriate and expected of college-level students. In addition, students should possess basic math skills including the ability to solve simple algebraic equations. This is the first course in a two-course sequence covering the basic principles of accounting. This course is fully transferable. This course will teach the basic principles of analyzing transactions, recording them in a general journal, posting them to the general ledger, and preparing the basic financial statements.

AHSC 4547. Corporate Etiquette (3 credits) — Prerequisite: Junior or Senior standing. You will benefit the most when taking this course within two semesters of graduation. To learn skills which will help you get a job, advance to a higher position, make career changes, and practice professional conduct on the job. Topics include communications, appropriate business attire, resume writing, interviewing, wining and dining in corporate America, international business customs, and up-to-date business manners. Learn how to handle business situations that will lead you into the 21st Century. Activities include time log analysis, cover letter and resume development, mock interviews, human resources interviews, and international business projects.

ART 1030. Art Appreciation (3 credits) — The over-all purpose of this course is to provide the student with a basic understanding of the visual arts. The first half of the course deals with the nature of art, the evaluation of art, the processes and materials of art. We examine the formal elements of design and look at a wide variety of both two- and three-dimensional art to learn about the processes and tools involved in its creation. The second half of the semester is spent in a (more or less) chronological study of world art in its cultural setting from the prehistoric to the contemporary. The course is divided into 12 segments, presented as Lessons 1-12. Each lesson represents the equivalent of 4 hours of class time. The student is expected to spend a minimum of 4 additional hours to complete the assignments for each unit. Each unit must be completed before the student may advance to the next level.

BIOL 1010. Biology I and Lab (4 credits) — Prerequisites: Students must be eligible for enrollment in English 1010 and DSM 0840 or higher. This course introduces the student to the methods of biological science. It explores the chemical basis of life; cell structure and function including energy metabolism; cell division; DNA and gene regulation; Mendelian and molecular genetics; the processes of evolution; speciation; mechanisms for the origin of life on earth; the principles of systematics; the prokaryotes and the Kingdom Protists.

BIOL 1020. Biology II and Lab (4 credits) — Prerequisites: Completion of or exemption from DSPW 0880 and DSPM 0880. This course introduces the student to the diversity of life on earth, looking in more detail at the fungi, plants and animals. The structure and function of flowering plants is reviewed. Animal anatomy (tissues, organs and organ systems), physiology, reproduction and development are covered with an emphasis on humans. The final section of the course covers the principles of ecology.

BIT 1150. Introduction to Microcomputers (3 credits) — Prerequisite: You must have basic typing skills to produce your work in a timely fashion. You must have access to a Windows-based computer with an Internet connection, Microsoft Windows 95 or higher, Microsoft Internet Explorer browser software, a personal e-mail account, and the software used in the class (Office XP). A course designed to introduce students to Windows and Office XP. The course will use the following packages in Office XP: Microsoft Word 2002, Microsoft Excel 2002, and Microsoft PowerPoint 2002. In addition, students will have an introductory section on computer hardware/software concepts and Windows file management.

BMGT 3630. Human Resources Management (3 credits) — Prerequisite: BMGT 351 (TTU) or General Business Management Course. Managing human capital in the new economy is a challenge all business professionals face. This course addresses that challenge by retaining its unique orientation to overall practicality and real-world application incorporating technology, teams and virtual learning methods. Practical tips and suggestions provide effective ways of dealing with problems in communication, leadership, discipline, performance appraisal, labor relations, and compensation administration.

CIS 113. Programming In Visual Basic (3 credits) — Prerequisite: Because this is an online course in computer programming, it is important for the student to have completed a basic computer literacy course (e.g., CIS 100, BIT 1150) or receive permission of instructor, work well independently, be self-motivated, be computer savvy and feel VERY comfortable getting around on the computer (Words like FTP, bulletin board and Real Player don’t sound foreign to you), have the ability to troubleshoot their own computer problems, any computer programming experience is helpful but not necessary. An introduction to Microsoft Visual Basic. Topics to be covered include: event-driven programming, interface design, creating menus and dialog boxes, writing event and general procedures, and using operating system services.

CIS 186. Database Programming (3 credits) — Prerequisite: CIS 113 Visual Basic Programming or the equivalent. This course is designed to enable students to develop customized database applications. Subsequent to a brief survey of relational database techniques and methods, the emphasis will be on developing the necessary skills to design, create, and implement user-friendly front ends for relational databases. Using a database engine such as Microsoft Access 2000, the course will concentrate on developing and coding procedures using VBA (Visual Basic for Applications).

CIS 263. Web Page Development and Design (3 credits) — Prerequisites: CIS 151 Microcomputer Applications. This course will cover the fundamental concepts of the Internet and World Wide Web, including how the Internet works, protocols and services, addressing and routing in the Internet. Students will design and create web pages using web page editing/publishing software and create and edit graphic images for web pages using image editing software. Use of simple Java applets will be covered and some basic JavaScript scripts will be written for web pages.

CIS 1610. Programming in C++ (3 credits) — Prerequisite: The student should have some background and understanding of computing and the use of information systems in society. A prior course in a programming language such as Visual Basic or Java is useful, but not required. An introduction to computer concepts using C++. Algorithms, problem-solving methods, systems development and implementation methodologies are addressed. Standard programming constructs such as simple data types, assignments statements, use of subprograms, loops, conditional statements, arrays, records, classes, abstract data types, and object-oriented programming concepts are emphasized. In addition, a limited number of advanced concepts such as pointers, recursion, and CH are discussed. The student will write short segments of C++ code that demonstrates command and understanding of the above concepts.

CMT 1010. Networking and PC Communications (3 credits) — Prerequisite: Prior to enrolling in this course, students should be able to use their computers and access the Internet. In addition to browsing the Web, students should have a basic understanding of computers and be able to send e-mail. This course introduces basic concepts of PC communications, telecommunications and networking. It provides an overview of terminology and technologies used with local area networks (LANs) and wide area networks (WANS). In addition, it details processes, protocols, network design and a broad overview of the Internet.

COL 101. The College Experience: Online (2 credits) — Prerequisite: This course is for first-time online learners who are willing to learn. If in doubt, let’s talk online. In this course, we will study the best practices for success in college and learning online by using technology smartly, succeeding in workplace situations skillfully, using interpersonal communications respectfully, and developing self-management practices expertly.

COMM 3010. Integrated Corporate Communication (3 credits) — Prerequisite: COMM 1200, COMM 1400, Junior status, or instructor approval. Students examine important corporate communication areas such as internal communication, advertising, public relations, integrated marketing communications, and new communication technologies. The course focuses on how these areas work together to achieve organizational objectives.

CS 3700. Software Analysis and Design (3 credits) — Prerequisite: Proficient with programming in at least one language (C/C++/Java) is required. Refer course syllabus for additional requirements. Practical and Professional Issues in Computer Science, Design of Algorithms, Foundations of Computer Science. The course teaches students various stages of software development. Topics include software systems analysis, software requirements analysis, modeling tools and methods for analysis and design, development of a software requirements specification document, software design guidelines and heuristics, software testing and debugging, and the development of a software design and testing document.
CSCI 3222. Database Management Systems (3 credits) — Prerequisites: A prior course covering computer-literacy topics (Use of MS-Workshop, use of an MS-Office application such as Word, Excel, or Front-Page) to ensure the student can focus on learning the Database topics without being distracted by also having to learn the Microsoft interface paradigm. This course will give the student a basic overview of Relational Database Systems and Relational Database Design. The student will acquire a working knowledge of Microsoft ACCESS and the ISO standard SQL language. Students will work individually on a series of small projects, and one larger project encompassing all phases of database design and implementation.

CST 209. Java Programming I (3 credits) — Prerequisites: Because this is an online course in computer programming, it is important for the student to have completed a basic computer literacy course (e.g., CIS 100, BIT 1150) or receive permission of instructor, work well independently, be self-motivated, be computer savvy and feel VERY comfortable getting around on the computer (words like FTP, bulletin board, and Real Player don’t sound foreign to you), and have the ability to troubleshoot their own computer problems. Any computer programming experience is helpful but not necessary. If you are unsure if this online course is for you, please contact your instructor. This course will cover the fundamental concepts of Object-Oriented Programming using Java. Topics will include objects, classes, constructors, methods, and instance variables. User Designed classes are implemented. Arrays and Array Processing are emphasized. Graphical User Interfaces are developed using Java. Applets are explained and implemented.

DSPM 0800. Elementary Algebra (4 credits) — Prerequisites: Basic Mathematics or demonstrated proficiency on the placement examination. Fundamentals of elementary algebra: operations on real numbers, evaluation and simplification of expressions and formulas, solution of first-degree equations, ratio and proportion, applied problems, operations on polynomials, factoring, exponents, roots, radicals, and complex numbers.

DSPM 0850. Intermediate Algebra (4 credits) — Prerequisites: Completion of elementary algebra, DSPM 0800, two years of high school algebra, or recommendation of advisor. This course is final preparation for college-level mathematics. The student learns tools of intermediate algebra through completing homework assignments, quizzes, participating in discussions, taking exams, and using outside links to tutorial sites.

DSPR 0800. Developmental Reading (4 credits) — Prerequisites: Basic Reading or appropriate score on the college placement test. This course is designed to enable college students to become more aware of themselves as readers and to develop strategies and skills to meet the demands of college reading.

DSPS 0800. Learning Strategies (3 credits) — Prerequisites: Appropriate score on college entrance test. This course offers students an introduction to college. It emphasizes study methods and techniques for beginning students. Study strategies are suggested for reducing anxiety, improving memory and concentration, managing time, taking notes from texts and lectures, and preparing for and taking tests.

DSPW 0800. Developmental Writing (4 credits) — Prerequisites: Appropriate score on college entrance exam. This course is designed to give students the basis for writing a well-organized and cohesive essay. The emphasis of the course is on writing as a process. Along with the writing process, students will learn grammar and mechanics.

ECON 2030. Survey of Economics (3 credits) — Prerequisites: DSPM 0700 (Basic Math), DSPR 0800 (Developmental Reading), DSPW 0800 (Developmental Writing). This course is a survey of economics. It is designed as a beginning economics class. The course covers how modern economics evolved, supply and demand, national income accounting, money and banking, market structures and contemporary economic issues. Both macroeconomic and microeconomic principles are covered.

ELED 4260. Teaching and Internet Technology (3 credits) — Prerequisite: This is an upper-division course. Thus, students should have received junior, senior, or post-graduate status. Internet technologies connect students and teachers to innovative learning projects, multimedia interactive information and activities, virtual classrooms and information from around the world. Students and teachers must acquire both the knowledge and technical aspects of how to integrate the Internet into their learning environments.

ENGL 1010. English Composition I (3 credits) — Prerequisite: Satisfactory ACT or placement test scores. Composition 101 includes paragraph writing and development of essays by various rhetorical patterns; reading and discussion of selected essays, short stories, and poems; introduction to writing about literature; basic introduction to research and documentation.

ENGL 1020. Composition II (3 credits) — Prerequisite: English 1010: Composition I. A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students’ writing. Research skills and documentation will be introduced.

ENGL 2110. American Literature: Colonial Period Through the Civil War (3 credits) — Prerequisite: ENGL 1010: English Composition I. Survey of American literature from the time of English colonization through the Civil War. Examines the works of significant writers of fiction, poetry, and non-fiction, taking into account the events in history that influenced them.

ENGL 2410. Western World Literature I (3 credits) — Prerequisite: Students must have completed English 1010 and 1020 before they enroll in English 2410. A survey of selected masterpieces of Western World literature: Ancient, Medieval, Renaissance.

ENGL 3134. Computers, Writing, and Literature (3 credits) — Prerequisites: Students must have a recent-model PC with “24/7” Internet access. Students must have an established e-mail account. Students must be motivated, self-directed learners. What are the connections among computers, writing, and literature? That’s the focus of this course - the implications made by the Internet and computers for writing, literature, and uses of texts. What’s the course - the implications made by the Internet and computers for writing, literature, and uses of texts. We’ll begin by examining a variety of texts available in full or in part on the Internet; then we’ll proceed to the rhetorical and technical aspects of these texts; and we’ll conclude with the production, in HTML, of student text resources. Format and layout of documents (whether they’re prepared in HTML or as word-processed texts) are important aspects of this course, and will be considered among the graded activities and in the broader context of good writing.

ENGL 3250. Professional Communication I (3 credits) — Prerequisite: Successful completion of English 101 and English 102. This course is designed to introduce you to various kinds of technical and professional writing. During the course, you will become familiar with technologies of business communication, receive feedback from and provide feedback to others on writing drafts and revisions, learn about the concept of “genre” and its application to technical and professional writing, and discover the role rhetoric plays in effective technical communication. Because this course is an online course, we will learn and experience ways to communicate effectively using e-mail and the Internet, including evaluating web site design, the rhetoric of e-mail, the dynamics of online discussions, and particularly audience awareness and communication through technology. The course will go beyond writing itself to encompass graphics and ways they are used to create appropriate interfaces for communicating in computer environments. Throughout the course, rhetoric will be emphasized as an overarching concept essential for communicating in technological environments, both educational and professional.

HIST 2010. American History I (US) (3 credits) — Prerequisites: Satisfactory completion of DSPW 0800 and DSPR 0800 or appropriate entrance test scores. Students must read and write at a level to be expected from a college freshman. This course is an examination of the social, political, economic, and intellectual history of the United States from the colonial period to 1877. Each student’s success in attaining course objectives will determine her/his grade. Critical essays either in exams or written assignments will measure for the instructor the student’s success in attaining course objectives. This course will go beyond writing itself to encompass graphics and ways they are used to create appropriate interfaces for communicating in computer environments.

HIST 2020. American History II (US) (3 credits) — This course is a continuation of HIST 2010 (American History I) covering American civilization from the end of Reconstruction to the recent past. The course seeks to give students a perspective on the position of the United States among the nations of the world and on the controversies and agreements among Americans concerning the desired attributes of their culture, government, and ideals. The course will focus on central themes and issues in the development of American society and institutions. It will raise questions about human values, economic growth, institutional change, cultural development, political democracy, and the place of the United States in the world. Themes that we will address in this course include: industrialization and its effects on American society, economy, and political processes; immigration, urbanization, and the changing demographics of the United States; Progressivism and the struggle for social justice; change and continuity in the U.S. foreign policy; World War I; social changes in the 1920s; the Great Depression and the New Deal; World War II; post-war affluence and social change including the Cold War, anti-communism, and civil rights; the Vietnam War and the Great Society; and the political realignment of the Reagan years and other historically recent events.

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HIST 2030. Tennessee History (3 credits) — Prerequisite: The student should be able to read and write at college level. The student should be able to navigate on the web. A survey of the geographical background, peoples, political life, and economic and social development of the state. This development is traced from the earliest beginnings to the present.

HMSE 1100. Concepts of Fitness and Wellness (3 credits) — Stressing individual responsibility for achieving optimal well-being, this course emphasizes preventive health practices which promote healthful lifestyles and reduce risk factors associated with disease.

INFS 3700. Introduction to Systems Analysis and Design (3 credits) — Prerequisites and Co-requisites: Working knowledge of some type graphic tool (i.e. PowerPoint). This will be used for any type modeling done in the course. Management of Information Technology (PTMA 3020). This course will provide the students with the basics of information systems components and vocabulary. In this course, students will explore and become familiar with various concepts, principles, and stages of computer-based information systems analysis and design. Students will be exposed to and learn about the groups of people involved in systems development and the different methods, tools, and techniques used in systems analysis and design. Feasibility study, requirements definition and design and development documentation will be covered. The system development life cycle, prototyping, data modeling, and user involvement will also be covered.

INTC 1050. Computer Graphics and Animation (3 credits) — Prerequisite: Introduction to Computers or equivalent. A course designed to introduce the concepts of computer graphics creation. The course will use the software Ulead PhotoImpact 7.0. This course is designed to teach computer graphics creation to students with no prior graphics background.

JOUR 3400. Introduction to Public Relations (3 credits) — Introduction to Public Relations is a survey of the public relations discipline including the professional foundation of ethics, law, and theory as well as the process, audiences, and professional practice areas. As a student in this course you can expect to learn this foundation allowing you to move on through more advanced professional practice courses in public relations; however, with this foundation you should have good understanding of the discipline, why it is important, and how to do basic public relations functions.

MATH 1130. College Algebra (3 credits) — Prerequisite: Two years of high school algebra and an acceptable placement score or DSPM 0850. A course designed primarily for students majoring in non-science degrees. Topics include functions and graphs, linear and quadratic equations, inequalities, polynomials, rational expressions, exponents, radicals, systems of equations and exponential and logarithmic functions.

MATH 1530. Probability and Statistics (3 credits) — Prerequisite: Two years of high school algebra and an acceptable placement score or DSPM 0850. An introduction to elementary methods and techniques. Topics include sampling, frequency distributions, elementary probability, discrete and continuous probability distributions, interval estimation, hypothesis testing, and simple correlation. Intended primarily for business majors.

MGT 3610. Principles of Management and Organizational Behavior (3 credits) — Prerequisite: Junior status. This is the introductory course in management. The course is designed to provide students an overview of the management function and its role in organizations and society.

MUS 1030. Music Appreciation (3 credits) — An introduction to the basic elements of music combined with a survey of Western art music.

PADM 3601. Introduction to Public Administration (3 credits) — Prerequisites: These are no formal prerequisites for this course; however, it is strongly recommended that students have completed a freshman-level course in American Government. Set within the context of contemporary political, social, economic, and administrative realities, this introductory course in public administration explores responsive, equitable, effective, efficient, and accountable governance processes, public policies, and institutional-base programs. It examines, from a multidisciplinary perspective, those essential competencies, values, and issues important to public service organizations and the importance of public policy at the local, state, national, and international levels.

PISI 435. International Law (3 credits) — Prerequisites: There are no prerequisites for this course. It would be beneficial if students had some background in international relations but this is not a requirement for enrolling in the class. Those students who have not taken any international relations classes should inform the instructor and will receive a short list of supplemental reading materials. This course introduces the student to the basic legal concepts and principles governing state behavior in the international order, the nature and sources of international law, international agreements, sovereignty of states, and recognition of statehood, jurisdiction, immunities, and responsibility. Current events in the international system are also examined with an international law perspective.

PM 4120. Organizational Theory and Behavior (3 credits) — This course is designed to expose the student to the fundamental principles with which to understand human behavior inside public organizations. The course examines various theories developed in an attempt to explain and predict employee behavior in an organizational context.

PSY 101. General Psychology I (3 credits) — Prerequisites: Reading and writing proficiency appropriate for college-level coursework. This is an introduction to psychology course. This course is designed to provide an overview of the field of psychology and human behavior. Topics include: philosophical perspectives, history, biology, learning, personality, behavioral biology, development, motivation, emotion, abnormal behavior, theories, and therapies.

PSYC 3590. Psychology of Personality (3 credits) — Prerequisites: Introductory Psychology recommended but not required. This course is designed to provide students with a critical overview of personality theory, research, assessment, disorders, and therapy. The course will take a scientific approach to the study of personality. This means that we will devote a good deal of attention to current theoretical and research approaches. Classic theories of psychology will also be covered. This is primarily a course on the varieties of “normal” personality functioning rather than aspects of abnormal psychology. Students will have several opportunities to complete example questions of personality measures during the course.

PTMA 3020. Managing Information Technology (3 credits) — Prerequisites: AOM 2110, CSCI 1000, MIS 1100, AOM 2100, OR equivalent computer efficiency. Managing Information Technology is designed to provide a real-world understanding of information systems technologies. A knowledge of information technology is essential in most aspects of today’s professional careers.

PTMA 3500. Methods of Performance and Productivity Assessment (3 credits) — This course is designed to expose students to fundamental theories of organizational performance measures, such as Management by Objectives (MBO) and Total Quality Management (TQM). In addition, the course will train managers in the use of these techniques for the purpose of improving the overall management and operation of the organization.

SOAA 3350. Social Statistics (3 credits) — This course is an introduction to statistical techniques commonly used in the analysis of data from many sources. Emphasis is placed on the assumptions, restrictions, and uses of various methods of analyzing data rather than on the mathematical derivation of formulas.

SOC 451. Introduction to Social Research (3 credits) — Prerequisites: Include Introduction to Anthropology, Psychology, Political Science, Sociology, or other social science. While not a prerequisite, some background in social statistics is suggested. An introductory social science course (preferably Sociology) is an important prerequisite because it introduces students to social research subject matter, and the theoretical perspectives and research techniques used in social research. An understanding of social statistics will help students better understand and critique existing social science research. Social research is the foundation for the scientific understanding of social phenomena. This course introduces students to the theory and methods of social research. Although the course content focuses on sociology, the research methodology covered in this course is applicable to other social science disciplines (and science in general). Students can expect to learn the entire process for conducting scientific research and evaluating research conducted by other researchers. Course activities involve library research (this can be accomplished online), practical assignments that lead to the development of research skills and a research proposal, and participation in discussion groups to practice research communication skills.
SOC 1010. General Sociology (3 credits) — Prerequisites and Co-requisites: Students must be able to read and write at the college level. Students will be expected to write and express themselves in good grammatical, concise, and Standard English. Poor grammar will affect your participation in group discussion and the written homework assignments. Grades will be based on writing skills, presentation, thoroughness, and timeliness. The purpose of this course is to introduce you to theoretical approaches of sociology. This course will emphasize the subject areas below: Culture, gender, socialization, race and ethnicity, groups and organizations, economics and politics, social interaction, family and religion, deviance, education and medicine, global and social stratification, population and urbanization, sex, environmental concerns. We will also discuss theories and methods of sociological research.

SPAN 1010. Beginning Spanish I (3 credits) — Prerequisites and Co-requisites: None, but the student should be able to use a computer and browse the Internet. Spanish 1010 is a beginning-level course covering elementary grammar, pronunciation, and conversation. Material is presented through the use of videotape, online presentations, online exercises, online practice quizzes, and online exams. Students demonstrate pronunciation and conversational skills by preparing an audiotape documenting their progress through the course. The course includes audio and video components that allow the student to hear vocabulary and pronunciation and exams include both written questions as well as listening/audio questions requiring the student to translate spoken statements.

SPAN 1020. Beginning Spanish II (3 credits) — Prerequisites and Co-requisites: Complete SPAN 1010. The student should be able to use a computer and browse the Internet. Spanish II will cover from Chapter 6 to Chapter 10 located in Spanish 102, Puntos de partida. Dr. Barriga will help you with the pronunciation, and you will be responsible for understanding, remembering, and using the grammar, vocabulary, and cultural readings taught in all chapters.

SPAN 3550. Latin America: The Countries and the Peoples (3 credits) — Prerequisites and Co-requisites: There are no prerequisites for this course. No knowledge of Spanish is required. This course is an introduction to Spanish-speaking Latin America. It will examine the commonalities as well as the unique national experiences of the Spanish-speaking countries of Latin America. The course will address the social, political, and economic factors that have shaped modern Latin America. Initial units will provide general information on the region and its history. Subsequent units will examine individual countries with a focus on Mexico, Cuba, Central America, Peru, Argentina, and Chile. No knowledge of Spanish is required. The course is taught entirely in English.

SW 3170. Family Caregiving (3 credits) — Prerequisite. One of the following courses: Introductory Sociology - SOC 101 or General Psychology - PSY 141. Issues to be examined will include: who are caregivers,—gender roles, managing family stress, respite care, establishing support groups, cost of caregiving, finding local resources, legal challenges, differential caregiving tips for various illnesses, disabilities from infancy to old age, emerging trends and long distance caregiving.

SW 3200. Cultural Diversity (3 credits) — This course is designed to expand the student’s awareness of both the cognitive knowledge and skill necessary to effectively interact with and/or serve culturally diverse populations. This course will particularly emphasize attitudes and competencies that are important in effective professional relationships. The course will not be exhaustive in its discussion of diverse populations, but will focus on those whose diversity is cultural and who are more likely to be encountered by the students taking the course. Students will be asked to select one of the listed cultures for an in depth study. Student will be expected to be consistently involved in discussions, learning projects, writings and videos related to that culture.

WEB 2811. Advanced Computer Graphics (3 credits) — Prerequisites and Co-requisites: A practical knowledge of how the Internet operates, HTML code, graphic formats, web site building, web page design, and an introductory knowledge of a computer graphics program is required. These pre- and co-requisites may be obtained through these courses: INTC 1050 - Computer Graphics (RDIP); or OST 2801 - HTML Coding, 2802 - Web Graphics, 2803 - Web Site Design (PSTCC); or CSIT 2470 - Internet and New Hardware/Software Products; or COMN 1000 - Beginning HTML (NSTI), COMN 1010 - Basic Web Design (NSTI), and COMN 1020 - Basic Web Graphics (NSTI) or equivalent knowledge and training. This course is designed to enhance the computer skills of those using graphics programs to prepare images for web or print delivery. Students will use Photoshop for graphics manipulation and ImageReady for animation.
COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY

Acuff, Robert V. (1982) Professor .......................... Applied Human Sciences
B.S., 1974, Louisiana State University;
M.S., 1977 and Ph.D., 1982, University of Tennessee.

Duncan, Michael (2001) Assistant Professor .......... Technology
B.A., 1978, St. Andrews Presbyterian College;

B.S., 1974, Fitchburg State College;
M.S., 1976, West Virginia University;
Ed.D., 1977, West Virginia University.

Garman, MAJ. Thomas A. (2002) Assistant Professor ................ Military Science
B.A., 1988, University of Tennessee;
M.S., 1994, Tennessee Technological University;
M.S., 1997, Central Michigan University.

Bailes, Gordon Lee, Jr. (1972) Professor ............... Computer and Information Sciences
B.S., 1968, M.S., 1969 and Ph.D., 1972 Clemson University;
ETSU Distinguished Faculty Award, 1985.

Gotterbarn, Donald W. (1990) Professor .............. Computer and Information Sciences
B.A., 1964, Hofstra University;

Bailey, Gene (1983) Professor .......................... Computer and Information Sciences
B.S., 1967, Rutgers;
M.S., 1970, University of Minnesota;
Ph.D., 1978, University of Missouri-Rolla.

Gunter, Charles R., Jr. (1964) Associate Professor ........ Interim Chair, Geography, Geology and Geomatics
B.S., 1962, Middle Tennessee State University;
M.A., 1963, University of Tennessee.

Barrett, Martin L. (1994) Associate Professor .......... Computer and Information Sciences
B.S., 1975, Pennsylvania State University;
M.A., 1983, University of Maryland;

B.S., 1957 and M.A., 1960, Kent State University;
Ed.D., 1972, West Virginia University.

Blanton, William Hugh (1999) Assistant Professor ........ Technology
B.S., 1971, University of Houston;
M.S., 1978 and M.B.A., 1986, West Texas State University;

Hemphill, William K. (1992) Assistant Professor ............... Technology
B.S.M.E., 1981, University of Tennessee-Knoxville;
M.S., 1992, East Tennessee State University.

Broome, Hugh W. (1962) Associate Professor .......... Technology
B.S., 1958, University of Tennessee;
M.A., 1962, East Tennessee State University;
Ph.D., 1969, University of Arizona.

Hriso, Peter (2002) Assistant Professor .................. Technology
B.S., 1992, University of Southern Indiana;
M.F.A., 1994, Ohio State University.

Brown, Amelia Gail (1979) Professor .................. Applied Human Sciences
B.S., 1969, East Tennessee State University;
M.S., 1971, University of Tennessee;
Ph.D., 1975, Kansas State University.

Hyder, Carroll R. (1967) Associate Professor ............... Interim Dean, Technology
B.S., 1967 and M.S., 1967, East Tennessee State University;
Ph.D., 1971, Ohio State University.

Burdick, Kent (1999) Instructor .................. Geography, Geology and Geomatics

Jenkins, Steven L. (2002) Assistant Professor .......... Computer and Information Sciences
B.A., 1989, East Tennessee State University;
B.S., 1995, Iowa State University.

Burke II, Samuel J. (2002) Instructor .............. Computer and Information Sciences

Jennings, David (2002) Instructor .................. Geography, Geology and Geomatics
B.S., 1998, East Tennessee State University;
M.S., 2002, East Tennessee State University.

Campbell, MAJ. Craig (2002) Assistant Professor ................ Military Science

Johnson, Keith V. (1993) Associate Professor ............... Chair, Technology
B.S., 1987 and M.S., 1988, North Carolina A&T State University;
Ph.D., 1993, Ohio State University.

Clark, MAJ. M. (1986) Associate Professor .......... Surveying and Mapping
B.S., 1973 and M.S., 1978, Purdue University;
Ph.D., 1985, University of Wisconsin-Madison.

Kridler, Jamie K. (1997) Associate Professor ................ Chair, Applied Human Sciences
B.S., 1976 and M.S., 1977, University of Tennessee;
Ph.D., 1985, Ohio State University.

Clark, W. Andrew (2002) Associate Professor .............. Technology
B.S., 1975, Colorado State University;
M.S., 1978, University of Georgia;
Ph.D., 1980, North Carolina State University.

Langenbrunner, Mary (1993) Associate Professor ....... Applied Human Sciences
B.S., 1974 and M.S., 1976, University of Kentucky;
Ph.D., 1986, University of Tennessee.

Coffey, Dennis (1999) Associate Professor .............. Technology
B.A., 1972, Berea College;
M.A., 1975 and M.B.A., 1979, University of Alabama;
M.B.C., 1996, Auburn University;
Ph.D., 1988, University of Tennessee.

Lowe, Beth (1999) Assistant Professor .................. Applied Human Sciences
B.S., 1974 and M.S., 1982, University of Tennessee.

Cornett, Cheryl G. (2002) Associate Professor .............. Technology
B.F.A., 1981, University of Georgia;

B.S., 1996, Virginia Polytechnic Institute and State University;
M.S., 1985, University of Tennessee.

Countermine, Terry A. (1990) Professor .......... Chair, Computer and Information Sciences
B.S., 1965, Alliance College;


Sims, Joseph P. (2000) Associate Professor Technology B.S., 1985 and 1991, Middle Tennessee State University; M.S., 1989, University of Tennessee; Ph.D., 1996, University of Wales, UK.


Thomas, Neil (1999) Assistant Professor Computer and Information Sciences B.S., 1979, California State University; M.S., 1987, East Tennessee State University; Ph.D., 1989, University of Tennessee.


Wallace, Steven (2001) Assistant Professor Geography, Geology and Geomatics B.S., 1995, Bowling Green State University; M.S., 1997, Fort Hays State University; Ph.D., 2001, University of Iowa.


Alsop, Fred J. (1972) Professor Biological Sciences B.S., 1964, Austin Peay State University; M.S., 1968 and Ph.D., 1972, University of Tennessee. ETSU Distinguished Faculty Member, 1976.

Anderson, Eugene D. (1972) Senior Affiliate Faculty Social Work B.A., 1951, Mercer University; M.S.W., 1961, Tulane University; Ph.D., 1972, University of North Carolina, Greensboro.


Ayers, James (2001) Professor English Provost, Vice President for Academic Affairs A.A., 1971, Southwestern College California; B.A.S., 1973, California State University; M.S.W., 1975, San Diego State University; D.S.W., 1990, University of Utah.


Baggett, Paul (2002) Associate Professor Social Work B.S.W., 1981, Lock Haven University; M.S.W., 1983, University of Georgia; Ph.D., 1994, University of Tennessee, Knoxville.


Faculty

Caton, Benjamin D. (1972) Professor ................. Chair, History
B.A., 1961, East Tennessee State University;
Distinguished Faculty Award, 1995.

Beck, Scott H. (1984) Professor ................. Chair, Sociology and Anthropology
B.A., 1976, Florida International University;
M.S., 1977, Florida State University;
Ph.D., 1981, University of Florida.

Blackman, Mary Dave (1997) Associate Professor ................. Chair, Music
B.A., 1978 and M.M.Ed., 1984, University of South Carolina;
Ph.D., 1989, University of Texas at Austin.

Boland, James W. (1992) Professor ............. Mathematics
B.S., 1981, Worcester Polytechnic Institute;
M.S., 1987, University of Central Florida;
Ph.D., 1991, Clemson University.
Distinguished Faculty Award, 1996.

Branscomb, Ernest J., Jr. (1972) Senior Affiliate Faculty ............. English
M.A., 1972 and Ph.D., 1982, Ohio State University;
B.S.M.E., 1968, East Tennessee State University;

Brown, Danny Anderson (1984) Professor ........ Communication
B.S., 1969, Mercer University;
M.A., 1970, West Georgia College;
Ph.D., 1973, University of Southern Mississippi.

Brown, Russell W. (2000) Assistant Professor ......... Psychology
B.S., 1992, University of Oklahoma;

Brown, Stephen E. (1979) Professor ........ Criminal Justice and Criminology
B.A., 1973 and M.S., 1975, Eastern Kentucky University;
Ph.D., 1979, University of Maryland.

Burnant, Patricia (2000) Assistant Professor .... Communication
B.A., 1992 and M.A., 1994, Cleveland State University;
Ph.D., 1997, West Virginia University.

Burgess, William Douglas Jr. (1986) Professor .......... History
B.A., 1968, Florida College;
B.A., 1972 and M.A., 1975, University of South Florida;
Ph.D., 1985, University of Wisconsin.

B.S., 1974 and M.A., 1977, Washington State University;
M.S.W., 1992, Florida International University.

Burnley, Cynthia S. (1969) Associate Professor .. Sociology and Anthropology
B.S., 1968, Tennessee Technological University;

Cantrell, Peggy J. (1982) Senior Affiliate Faculty ............ Psychology
B.S., 1978, Virginia Commonwealth University;
M.A., 1979 and Ph.D., 1982, University of Southern Mississippi.

Carmichael, Linda C. (1965) Assistant Professor .......... English

Caton, Benjamin D. (1972) Professor ................. Music
B.S.M.E., 1968, East Tennessee State University;

Cavender, Anthony (1988) Professor ............ Sociology and Anthropology
B.A., 1971, Belmont College;

Champouillon, David (2000) Assistant Professor .......... Music
A.B.S., 1979, Omohoga Community College;
B.M., 1987, University of Miami;
M.A., 1988, Eastern Illinois University;

Chen, Weixing (1995) Associate Professor .......... Political Science
B.A., 1982, Shandong University, China;
M.A., 1986, College of International Relations, China;
Ph.D., 1992, Northern Illinois University.

Close, David M. (1978) Professor ............ Chair, Physics
A.B., 1964, Franklin and Marshall College;
M.S., 1967, West Virginia University;
Ph.D., 1973, Clark University.
ETSU Foundation Research Award, 1988.

Cody, Michael A. (2001) Assistant Professor ............ English
B.A., 1993, University of North Carolina at Asheville;
M.A., 1995, Western Carolina University;
Ph.D., 2000, University of South Carolina.

B.A., 1962, Long Beach State College;
M.S.W., 1976, University of Alabama;
Ph.D., 1981, University of South Carolina.


Collins, Lattice F., Jr. (1965) Professor ............... Physics
B.A. 1969, Huntingdon College;

Copp, Martha A. (1993) Associate Professor .... Sociology and Anthropology
B.S., 1984, Texas A&M University;

Corso, Joseph W. (1974) Assistant Professor .......... Political Science
B.S., 1964, Loyola University;
M.A., 1966, University of Notre Dame;
Ph.D., 1973, University of Missouri.

Cronin, Patrick J. (2001) Associate Professor .......... Communication
B.A., 1963, LaSalle University;
M.S., 1968, Temple University.

Crowe, Martha B. (1965) Assistant Professor ............ English
B.A., 1963, King College;

Davidson, Tammy A. (1998) Assistant Professor .......... Chemistry
B.S., 1992, Denison University;
Ph.D., 1997, University of Florida.

Davis, Don (2000) Assistant Professor ............. Art and Design
B.F.A., 1972, University of Florida;
M.F.A., 1974, Rhode Island School of Design.

Day, Ronnie M. (1968) Professor .......... History
B.A., 1963, Cumberland College;

Deadman, Alison P. (1998) Assistant Professor .......... Music
B.A., 1986, Leeds University;
M.Phil., 1990, Leeds University;
M.A., 1992, California State University, Fresno;
Ph.D., 1998, University of California, Los Angeles

DeAngelis, Anita M. (1994) Associate Professor .......... Art and Design
B.F.A., 1981, University of Texas at Austin;

DiCicco, Mark (2001) Assistant Professor ............ English

Dixon, David (1989) Associate Professor .......... Art and Design
B.A., 1976, University of Tennessee;
M.F.A., 1984, University of Tennessee.
Dixon, Jr., Wallace E. (2002) Associate Professor .................. Chair, Psychology
B.A., 1985, University of Toledo;

Doran, Linda (1994) Associate Professor ......................... English
A.B., 1965, University of Georgia;
M.A., 1966, University of Tennessee;
Ph.D., 1976, George Peabody College.

Drinkard-Hawkshaw, Dorothy (1989) Professor .................. History
Ph.D., 1974, Catholic University of America.

B.S., 1973, Madison College;
M.F.A., 1985, Radford University.

Elhindi, Youssif A. (1998) Assistant Professor .................. English
B.A., 1975, University of Khartoum;
M.A., 1981, University of Sheffield;
Ph.D., 1995, Oklahoma State University.

Ellis, Jon B. (1989) Professor .......................... Psychology
B.S., 1973, Virginia Polytechnic Institute and State University;
M.S., 1981, Radford University;
Ph.D., 1989, University of Southern Mississippi.

Essin, Emmett M. (1967) Professor ...................... History
Director, Developmental Studies
A.B., 1964, Austin College;
ETSU Distinguished Faculty Member, 1976.

Fentress, Stacy (2002) Instructor .................... Communication
B.S., 1999, East Tennessee State University.

Distinguished Faculty Award, 1996.

Funk, Robert David (1998) Associate Professor ................. Communication
B.S., 1976, Western Carolina University;

Gardner, Robert B. (1993) Professor .......................... Mathematics
ETSU Distinguished Faculty Award 1998.

Gerard, Mira (2001) Assistant Professor .................. Art and Design
M.F.A., 2001 University of Georgia.

Giles, Ronald K. (1983) Professor .................. English
B.A., 1968, University of Alabama;
M.Ed., 1974, Livingston University;
Ph.D., 1981, Auburn University.

Gillespie, Wayne (2001) Assistant Professor .................. Criminal Justice and Criminology
B.A., 1993, College of William and Mary;
M.A., 1998, East Tennessee State University;
Ph.D., 2001, University of Kentucky.

Giroux, Mark L. (2001) Assistant Professor .................. Physics
B.S., 1981, Brown University;
Ph.D., 1992, University of Texas.

Godbole, Anant (2000) ................................. Chair, Mathematics
B.Sc., 1975, Bombay University, India;

Gold, Jeffrey B. (1978) Professor .................. Philosophy and Humanities
B.A., 1973, University of Wisconsin;

Green, J. Keith (2002) Assistant Professor .................. Philosophy and Humanities
A.B., 1980, Saint Olaf College;
M.Div., 1984, Yale University;

Gross, Steven (2001) Assistant Professor .................. English
B.A., 1976, University of Utah;
M.A., 1996 and Ph.D., 2000, University of South Carolina.

Grover, Kathleen H. (1976) Assistant Professor .................. English
B.A., 1964, Florida State University;
M.A., 1967, Memphis State University.
Kada, Ismail (1990) Associate Professor ............................................ Chemistry

Johnson, Donald R. (1983) Professor .................................................. English
Ph.D., 1972, University of Wisconsin-

Johnston, K. (1940) Associate Professor .................................. Chemistry
B.S., 1963, Emory and Henry College;
ETSU Foundation Research Award, 1984.

Johnston, Donald R. (1983) Professor .................................................. English

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;

Tsang, Leo M. (1976) Associate Professor................................. Chemistry
M.S., 1977 and Ph.D., 1979, University of Jordan;
East Tennessee State University

Faculty

MacAvoy, Leslie (2000) Assistant Professor .......... Philosophy and Humanities
B.A., 1988, Swarthmore College;

Marks, Michael A. (2000) Instructor ......................... Mathematics
B.A., 1988, Flagler College;

Marx, David (1995) Professor .................................. Psychology

McDowell, Timothy D. (1998) Assistant Professor ........ Biological Sciences
B.A., 1983, University of North Carolina, Chapel Hill;

McIntosh, Cecilia A. (1993) Associate Professor .......... Biological Sciences

McKinstry, Sam W. (1974) Associate Professor .......... Political Science
B.A., 1962, Westminster College;

McLain, Raymond W. (2000) Assistant Professor ...... Center for Appalachian Studies

Messmer, Laughton (2002) Instructor ....................... Communication
B.A., 1997, Truman State University;
M.A., 1999, Indiana State University.

Mijeski, Kenneth J. (1971) Professor ...................... Chair, Political Science
B.A., 1966, Florida State University;
Ph.D., 1971, University of North Carolina.

Miller, Hugh A. III (1988) Associate Professor .......... Biological Sciences
B.S., 1979, East Tennessee State University;
Ph.D., 1986, University of Tennessee.

Miller, Larry S. (1984) Professor .................... Criminal Justice and Criminology
B.A., 1974, East Tennessee State University;
M.S., 1977, Eastern Kentucky University;
Ph.D., 1981, University of Tennessee.

Mills, James C. (1971) Professor ......................... Art and Design Faculty Emeritus
A.A., 1960, Spartanburg Methodist College;
B.A., 1965, Berea College;
M.A.T., 1964, Oberlin College;
Ph.D., 1972, University of Kansas.

Mohseni, Ray M. (2000) Assistant Professor ............. Chemistry Laboratory Director
B.S., 1980, Pars College, Iran;

Mooney, James J. (1970) Professor .................... Communication
A.B., 1969 and M.A., 1970, University of Georgia;
Ph.D., 1984, University of Tennessee.

Moore, Darrell J. (1989) Associate Professor .......... Biological Sciences
B.A., 1975 and Ph.D., 1983, University of Texas at Austin.

Morefield, John D. (1983) Assistant Professor ............ English
A.B., 1962, Davidson College;

Murray, Catherine (1995) Associate Professor .......... Art and Design
B.A., 1982, Portland State University;

Nelson, Ardis L. (1994) Professor ......................... Foreign Languages
B.A., 1965, Oberlin College;
M.A., 1972, Middletown College, Madison;
Ph.D., 1986, Indiana University.

Niederberger, Maria (1999) Associate Professor .......... Music
B.S., 1981, University of California, Davis;
Ph.D., 1991 Brandeis University.

Norwood, Frederick (1987) Associate Professor .......... Mathematics
B.A., 1966 and Ph.D., 1979, University of Southwest Louisiana;
M.S., 1969, University of California at Riverside.

Odom, James L. (1971) Professor .......................... History
B.A., 1963, Birmingham Southern College;
M.A., 1965 and Ph.D., 1968, University of Georgia.
Distinguished Faculty Award, 1997.

O'Donnell, Kevin E. (1993) Associate Professor .......... English
B.A., 1984, Kent State University;

Olson, Charles S. “Ted” (1999) Assistant Professor ...... Appalachian Studies Interim Director, CASS and Coordinator, ASIS
B.A., 1982, University of Minnesota;
M.A., 1991, University of Kentucky;
Ph.D., 1997, University of Mississippi.

Ott, Walter T., Jr. (2001) Assistant Professor .......... Philosophy
B.A., 1994, Alford University;
M.A., 1997, University of Virginia;
Ph.D., 2000, University of Virginia.

Page, Melvin E. (1987) Professor ............................ History
B.A., 1966, American University;
M.A., 1968, Howard University;
Ph.D., 1977, Michigan State University.

Paluzzi, Rebecca (1994) Associate Professor .......... Music
B.M., 1977 and M.M., 1979, University of Tennessee;
Diploma, 1986, Talent Education Institute.

Palmer-Lopez, Sandra (1995) Associate Professor .......... Foreign Languages
B.A., 1977, Colegio Universitario de Cayey, Puerto Rico;
M.A., 1981, University of South Florida;
Ph.D., 1994, Florida State University.

Pawlucz, Peter H. (1987) Associate Professor .......... Art and Design
B.A., 1965, Colby College;
M.A., 1970, West Virginia University;
Ph.D., 1987, Northwestern University.

Pike, Lee M. (1976) Professor ................................. Biological Sciences
B.A., 1967, Albion College;
M.S., 1971 and Ph.D., 1974, Michigan State University.
ETSU Foundation Research Award, 1980.

Poole, George D. (1986) Professor .......................... Mathematics
B.S.E., 1964, Emporia State University;
M.S., 1966, Colorado State University;
Ph.D., 1972, Texas Tech University.

Powell, Harry D. (1965) Senior Affiliate Faculty .......... Physics
B.S., 1940, Davidson College;

B.A., 1986, University of Iowa;

B.S., 1983 and M.S., 1986, Youngstown State University;
M.S., 1989, Ohio State University;
Ph.D., 1996, University of Wyoming.

Pyles, Rebecca A. (1991) Associate Professor .......... Biological Sciences Interim Dean, College of Arts and Sciences
B.S., 1975, University of Missouri-Kansas City;
M.S., 1979, M.P.H., 1982 and Ph.D., 1988, University of Kansas.

Razskazovskiy, Yuriy V. (2002) Assistant Professor .......... Physics
B.S., 1980 and Ph.D., 1984, Moscow State University.

B.A., 1983, Wheeling Jesuit University;
M.F.A., 1988, McNeese State University.

Rice-See, Lynn (1989) Professor .......................... Music
B.M., 1977, Peabody Conservatory;
M.M., 1979, The Juilliard School;
D.M.A., 1982, University of Southern California.

Roberts, Charles (1990) Professor .......................... Chair, Communication
B.A., 1965, Davidson College;

Robertson, Joe Leonard (1976) Professor .......... Biological Sciences
B.S., 1965, Union University;
M.S., 1967 and Ph.D., 1975, University of Tennessee.

Royalty, Dale M. (1971) Associate Professor .......... History
B.A., 1964, Kenyon College;

Rushing, Clarence A., Jr. (1969) Associate Professor .......... History

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Sanderbeck, Rande P. (1985) Assistant Professor ......................................... Music
B.M., 1978 and M.M., 1985, West Virginia University;

Sawyer, Robert E. (2001) Assistant Professor ........................................... English
B.A., 1979, Stetson University;
M.A., 1987, Western Carolina University;
Ph.D., 1997, University of Georgia

Schmitt, Dale J. (1969) Professor ...................................................... History
B.A., 1965, Yale University;

Seier, Edith (1998) Assistant Professor ........................................ Mathematics
B.S., 1971, San Marcos University;
M.A., 1973, University of Kansas;
M.S., 1996 and Ph.D., 1998, University of Wyoming

Shafer, Melissa (1999) Assistant Professor ........................................ Communication
B.A., 1983, Southern Illinois University;

Shanks, Niall (1991) Professor .................................................. Philosophy and Humanities
B.A., 1979, University of Leeds;
M.A., 1981, University of Liverpool;
Ph.D., 1987, University of Alberta.
ETSU Foundation Research Award 1998.

Sherrill, Catherine Anne (1982) Professor .......................................... English
B.A., 1960 and M.A., 1969, University of Texas at Austin;
Ph.D., 1981, University of Iowa.

Simon, Leonore (1999) Associate Professor .................................. Criminal Justice and Criminology
B.A., 1975, University of California at Berkeley;
J.D., 1978, Case Western Reserve School of Law;

Slagle, Judith B. (1999) Associate Professor .................................. Chair, English
B.S., 1983, and M.A., 1985, East Tennessee State University;
Ph.D., 1991, University of Tennessee.

Slatton, Ralph (1990) Professor .................................................. Chair, Art and Design
M.F.A., 1990, University of Iowa.

Smith, Beverly J. (1999) Assistant Professor ................................... Physics
A.B., 1983, Brown University;
Ph.D., 1989, University of Massachusetts.

Smith, Michael A. (1981) Professor ........................................ Art and Design
B.F.A., 1977, Massachusetts College of Art;
M.F.A., 1981, Yale University School of Art.

Singer, Marcia J. (1983) Assistant Professor .................................. English
B.S., 1958, Southern Illinois University;
M.A., 1977, East Tennessee State University;

Stanley, Isabel Bonnymann (1983) Professor .................................. English
Ph.D., 1990, University of Tennessee.

Stenstad, Gail (1989) Professor ........................................... Chair, Philosophy and Humanities
B.S., 1984, University of Wisconsin;
Ph.D., 1988, Vanderbilt University.

Tottle, Jack (1994) Associate Professor ............... Center for Appalachian Studies
Director, Bluegrass and Old-Time Country Music Program

Waage, Frederick O. (1978) Professor ........................................... English

Wahlberg, Patty (1999) Professor ........................................... Social Work
Ed.D., 1992, West Virginia University.

Walters, Gary M. (1971) Associate Professor ................................... Physics
Assistant Dean for Distance Education Continuing Studies

Wardeska, Jeffrey G. (1967) Professor ........................................... Chair, Chemistry
B.S., 1963, Mount Union College;
Ph.D., 1967, Ohio University;
Distinguished Faculty Award, 1996.

Wardeska, Jeffrey G. (1967) Associate Professor .................. Chair, Chemistry
B.S., 1963, Mount Union College;
Ph.D., 1967, Ohio University;
Distinguished Faculty Award, 1996.

Watson, Elwood D. (1997) Associate Professor .................. Chair, Criminal Justice and Criminology
B.A., 1990 and M.A., 1992, University of Delaware;
Ph.D., 1999, University of Maine.

Whitehead, John T. (1987) Professor ....................... Chair, Criminal Justice and Criminology
B.A., 1969, St. John Vianney Seminary;
M.A., 1973, University of Notre Dame;

Whitson, Marrian H. (1993) Assistant Professor .................. Criminal Justice and Criminology
B.A., 1966, Dillard University;
M.S., 1968, Tennessee State University;
J.D., 1984, Miles Law School;
Ph.D., 1994, Indiana University of Pennsylvania.

Williams, Edwin W. (1972) Senior Affiliate Faculty ............... English
B.A., 1958, Millsaps College;
M.Div., 1962, Duke University;
Ph.D., 1972, University of North Carolina.

Wolfe, Margaret R. (1969) Professor ........................................ History
B.S., 1967 and M.A., 1969, East Tennessee State University;
Ph.D., 1974, University of Kentucky.
Distinguished Faculty Member, East Tennessee State University, 1977;
ETSU Foundation Research Award, 1979.

Yampolsky, Lev (2001) Assistant Professor ................... Biological Sciences
M.S., 1986, Moscow State University;

Zinser, Otto (1970) Professor ........................................... Psychology
B.S., 1964, Trinity College;

Zoggie, Haakayoo (1999) Assistant Professor ................... Foreign Languages
B.A., 1986, University of Ghana;
M.A., 1991, University of Alberta;
Ph.D., 1998, University of Cincinnati.

COLLEGE OF BUSINESS

Alavi, Jafar (1985) Professor .................. Chair, Economics, Finance, and Urban Studies
B.S., 1975, Karaj School of Managerial Economics;
M.B.A., 1978, Mississippi State University;

Anthony, Murray S. (1972) Professor .................. Accountancy
Ph.D., 1975, University of Missouri;
CPA Tennessee.


Bayes, Paul E. (1984) Professor ........... Chair, Accountancy
B.S., 1965, University of Kentucky;
M.S., 1968, Indiana State University;
D.B.A., 1985, University of Kentucky.

Berg, Gary G. (1987) Associate Professor .................. Accountancy
B.A., 1973, University of South Florida;
M.B.A., 1981, Florida Atlantic University;
Ph.D., 1987, Texas A&M University;
CPA, Florida.

Burkette, Gary D. (1992) Associate Professor .................. Accountancy
B.S., 1978, Wake Forest University;
M.Acc., 1986 and Ph.D., 1994, Virginia Tech;
CPA, North Carolina.

Chu, Ting-Heng (2001) Assistant Professor .................. Economics, Finance, and Urban Studies
B.A., 1992, National Chung Hsing University, Taipai;

Chung, In-Kyung (2002) Assistant Professor .................. Management and Marketing
B.A., 1990, Yeungnam University, Taegu, Korea;
M.A., 1993, Ewha Womans University, Seoul, Korea;
M.B.A., 1995, University of Massachusetts;
Czuchry, Andrew J. (1992) Professor ............ Management and Marketing Chairholder, AFG Industries

Dennis, Steven A. (2001) Associate Professor ........ Economics, Finance, and Urban Studies Chair of Banking, Director of the Center for Banking


Driver, Michaela C. (1998) Assistant Professor .... Management and Marketing

Everett, Michael David (1977) Associate Professor ........ Economics, Finance, and Urban Studies


Frierson, James G. (1973) Professor ............ Management and Marketing
ETSU Distinguished Faculty Member, 1977; ETSU Foundation Research Award, 1986.

Garceau, Linda (2000) Professor ............ Dean, College of Business

Hipple, F. Steb (1962) Professor ............ Economics, Finance, and Urban Studies

Jang, Youngtag (2001) Assistant Professor ........ Management and Marketing

Justice, Robert .................. Director, Small Business Development Center

Loess, Kurt H. (1998) Assistant Professor ........ Management and Marketing

Lucero, A. Alfonso (1971) Associate Professor .... Management and Marketing
B.A., 1961 and M.A., 1965, New Mexico Highlands University; Ph.D., 1971, University of New Mexico.

Mackara, W. Frederick (1975) Associate Professor ........ Economics, Finance, and Urban Studies
Assistant Director, Graduate Business Studies
A.B., 1969, Rutgers University; Ph.D., 1976, Texas A&M University.


Marchioni, Michael P. (1976) Associate Professor ... Economics, Finance, and Urban Studies

B.S., 1977, East Tennessee State University; M.B.A., 1978, University of Tennessee; Ph.D., 1987, University of South Carolina.

McKee, Thomas E. (1976) Professor .................. Accountancy

McKinney, Michael M. (1994) Associate Professor ........ Management and Marketing

Miller, Phillip E. (1994) Associate Professor ........ Chair, Management and Marketing
B.S., 1972, University of Tennessee; M.S., 1978, Air Force Institute of Technology; M.S., 1979, University of Southern California; Ph.D., 1985, University of North Carolina.

Morgan, Robert G. (1985) Professor .................. Accountancy

Pointer, Martha M. (1991) Associate Professor ........ Accountancy Associate Dean and Director, Graduate Studies, College of Business Director, College of Business Honors Program Coordinator, M.Acc. Program

Prather, Larry (1999) Associate Professor ....... Economics, Finance, and Urban Studies

Quigley, John V. (1984) Associate Professor ........ Management and Marketing

Schneider, Kent N. (1984) Professor .................. Accountancy
B.S.B.A., 1975 and J.D., 1978, University of Missouri-Columbia; M.Acc., 1994, University of Oklahoma; CPA, Missouri and Texas.

Shemwell, Donald J. (1993) Associate Professor ........ Management and Marketing

Smith, Jon L. (1980) Associate Professor ........ Economics, Finance, and Urban Studies
Director, Bureau of Business and Economic Research
B.S., 1968, Mississippi State University; M.A., 1975 and Ph.D., 1982, University of South Carolina.


Steadman, Mark E. (1989) Associate Professor ........ Accountancy Assistant Dean of External Programs and Relations
B.S., 1979, University of Tennessee; M.Acc., 1982, East Tennessee State University; Ph.D., 1990, University of Tennessee; CPA, Tennessee.

Swinehart, Kerry D. (1990) Associate Professor ........ Management and Marketing

Tarnoff, Karen A. (1994) Assistant Professor ........ Management and Marketing

Trogan, Paul C. (1995) Assistant Professor ........ Economics, Finance, and Urban Studies Interim Director, Master of Public Administration Program
Ayres, Christopher A. (1973) Assistant Professor ............... Physical Education, Exercise and Sport Sciences
B.S., 1972 and M.S., 1973, Central Missouri State University.

Bailiff, Gina C. (1998) Instructor ................................. University School


Beauchamp, Barbara T. (2000) Assistant Professor .... Human Development and Learning
B.A., 1989, Denison University;
M.A., 1991, Xavier University;
Ph.D., 2008, Spalding University.

Bevan, Carol A. (1995) Instructor ................................. University School
B.A., 1973, Florida Southern;

B.A., 1969, Gonzaga University;
M.Ed., 1971, Idaho State University;
Ed.D., 1975, Idaho State University.

Blakely, April (1997) Instructor ................................. University School

Blankenship, Cecil N. (1971) Professor ... Human Development and Learning
Ed.D., 1972, University of Tennessee.

Borden, Joseph E. (1995) Instructor ............................. University School
B.M., 1970, University of Georgia;
M.A., 1977, University of North Carolina;
M.M., 1978, Georgia State University;

Borthwick, Kristen (2002) Instructor ............................. University School
B.S., 1994, Centre College;

Brown, Wesley C. (1980) Professor ............................. Human Development and Learning
Dean, School of Graduate Studies
B.A., 1969, Florida State University;
M.A., 1971, University of South Florida;
Ph.D., 1975, Kent State University;
ETSU Distinguished Faculty Award, 1991 and 1994.

Burleson, Rebecca (2000) Assistant Professor ............. Human Development and Learning
B.S., 1990 and M.Ed., 1996, East Tennessee State University;
ABD, 1997, University of Kentucky.

Clements, Andrea D. (1995) Associate Professor .... Human Development and Learning

Coates, Thomas E. (1998), Assistant Professor .......... Interim Chair, Physical Education, Exercise, and Sport Sciences
B.A., 1971, Mars Hill College;
M.A., 1974, Western Carolina University;
D.A., 1981, Middle Tennessee State University.

Cockerham, J. Steve (1999) Instructor .......................... Human Development and Learning
B.A., 1975, University of North Carolina;
M.A., 1990, University of West Georgia.

Collins, Martha D. (1993) Professor ...................... Curriculum and Instruction
Dean, College of Education
B.S.Ed., 1967, University of Georgia;

Coutinho, Martha J. (1995) Professor .............. Human Development and Learning
B.A., 1974 and M.A., 1976, University of Colorado;
Ph.D., 1981, University of Connecticut;
ETSU Distinguished Faculty Award, 1999.

Cradic, Sharon J. (2002) Instructor ............................. University School
B.S., 1992, Landier College;
M.Ed., 1994, East Tennessee State University;

Crumwell, Sidney E., Jr. (1997) Assistant Professor ........ Curriculum and Instruction
A.B., 1969, Benedict College;
M.A.T., 1975, Lynchburg College;
Certificate of Advanced Graduate Studies, 1987 and

Cummins, Rhona S. (1991) Associate Professor .............. Curriculum and Instruction
B.A., 1972, Connecticut College;
M.Ed., 1973, University of North Dakota;
Ed.D., 1988, University of Houston.

Daniels, Harold L. (2000) Assistant Professor ........ Curriculum and Instruction
B.A., 1983 and M.A., 1993, Appalachian State University;

Davis, T. Jason (2002) Assistant Professor ........ Physical Education, Exercise and Sport Sciences
M.R.S., 1996, Georgia Southern University;
Ph.D., 2002, Clemson University.

Day, Ariane (2001) Instructor ................................. University School
De Hoyos, Diego (2002) Assistant Professor .......................... Physical Education, Exercise and Sport Sciences
B.A., 1987, Rollins College;
M.A., 1990, University of Central Florida;
Ph.D., 1999, University of Florida.

Dishner, Nancy (1985) Associate Professor .......................... Educational Leadership and Policy Analysis

Disque, J. Graham (1994) Associate Professor .......................... Human Development and Learning
B.A., 1980, St. Andrews Presbyterian College;
M.A., 1987, Appalachian State University;
Ph.D., 1992, Virginia Polytechnic Institute and State University.

Driskell, Katherine T. (1984) Professor .......................... Curriculum and Instruction
B.S., 1963, George Peabody College;
M.S., 1965, University of Wisconsin;
Ph.D., 1983, University of Tennessee.

Dwyer, Edward J. (1976) Professor .......................... Curriculum and Instruction
B.S., 1962, Boston College;
M.Ed., 1974, University of Saskatchewan;
Ph.D., 1977, University of Georgia.

B.S., 1979, East Tennessee State University;

Eineder, Dale (2001) Assistant Professor .......................... Director, University School
B.S., 1975 and M.Ed., 1981, Ohio University;
Ph.D., 1996, University of Alabama.

Erwin, Timothy A. (1997) Instructor .......................... University School
B.S., 1983, East Tennessee State University;

Evans, Pamela A. (2001) Assistant Professor .......................... Human Development and Learning
B.A., 1982, Tusculum College;

B.A., 1972, Tulane University;

Fox, James J. (1990) Professor .......................... Human Development and Learning Research Director, Center for Early Childhood Learning and Development
B.A., 1972, College of William and Mary;
M.A., 1975, University of Richmond;
Ph.D., 1982, University of Tennessee-Knoxville.

Frazier, Jean (1972) Senior Affiliate Faculty .......................... Physical Education, Exercise, and Sport Sciences

Freeberg, Karilee (1999) Professor .......................... Chair, Curriculum and Instruction
B.A., 1963, University of Iowa;
M.S., 1975, Iowa State University;
Ph.D., 1977, Iowa State University of Science and Technology.


Gann, Rosalind R. (2002) Assistant Professor .......................... Curriculum and Instruction
B.A., 1970, Brooklyn College, City University of New York;
M.S.W., 1974, Smith College;

Garland, Regina (2002) Instructor .......................... University School
B.S., 1989, Baldwin-Wallace College;
M.Ed., 1993, University of Toledo.


Gordon, Anthony (1999) Instructor .......................... University School
B.S., 1989, Western Carolina University.

B.A., 1998, Tusculum College;

Isbell, Rebecca T. (1975) Professor .......................... Human Development and Learning Director, Child Study Center
B.S., 1964, University of Tennessee;
M.A., 1973, East Tennessee State University;
Ed.D., 1979, University of Tennessee;
ETSU Distinguished Faculty Award, 1994.

Jisha, Jay E. (2001) Assistant Professor .......................... Physical Education, Exercise, and Sport Sciences
B.A., 1990, Ohio Wesleyan University;
M.S., 1993, St. Thomas University;
Ph.D., 2001, Florida State University.

Johnson, J. Woody (2000) Assistant Professor .......................... Human Development and Learning

Joy, Flora F. (1967) Senior Affiliate Faculty .......................... Curriculum and Instruction
Ed.D., 1972, University of Tennessee;
ETSU Distinguished Faculty Award, 1986 and 1998.

Jungkeit, Patricia (1999) Instructor .......................... University School
B.A., 1970, Messiah College;
M.S., 1997, Xavier University.

Kilgore, Hatte (1993) Instructor .......................... University School
B.S., 1988, Clinic Valley College;

Kilgore, Robert D. (1990) Instructor .......................... University School

Knight, Terri C. (1988) Instructor .......................... University School
B.A., 1973, University of Charleston;
M.S., 1981, Kansas State University.

Knight, W. Hal (1986) Professor .......................... Educational Leadership and Policy Analysis Associate Dean, College of Education
B.A., 1972, Augusta College;
M.P.A., 1977, West Virginia College of Graduate Studies;
Ph.D., 1983, Kansas State University.


B.A., 1957, Transylvania University, Lexington Kentucky;

MacRae, Norma (1987) Professor .......................... Curriculum and Instruction Vice Provost for Public Service and Dean of Continuing Studies
A.B., 1969, University of Georgia;

Malkus, Amy J. (2000) Assistant Professor .......................... Human Development and Learning
B.A., 1988, Washington College;
M.S., 1992 and Ph.D., 1995, Purdue University.

Manahan, Richard A. (1981) Professor .......................... Accountancy/Educational Policy Analysis Vice President for University Advancement
CPA, Tennessee, Virginia, and Illinois.

Marks, Lori (1993) Associate Professor .......................... Human Development and Learning
B.A., 1983, Flagler College;
M.Ed., 1987, University of North Florida;
Ph.D., 1993, University of Florida;
ETSU Distinguished Faculty Award, 2000.

Mattioli, Denee J. (1997) Associate Professor .......................... Curriculum and Instruction
B.S., 1969, George Peabody College;
M.S., 1973, University of Tennessee, Knoxville;
Ed.D., 1977, Tennessee State University;
Ed.D., 1986, George Peabody College of Vanderbilt University.
Robertson, Patricia E. (1997) Associate Professor .............. Chair, Human Development and Learning
B.A., 1973, University of North Carolina at Chapel Hill;
M.A.Ed., 1974, Western Carolina University;
E.D., 1990, University of North Carolina at Greensboro.

Robertson, Cheryl (2002) Assistant Professor............. Exercise and Sport Sciences
B.S., 1978, University of Tennessee;
M.Ed., 1993, University of Tennessee;
Ph.D., 1998, University of Georgia.

Robertson, Sherrill (1998) Associate Professor .......... Social Science, Communication
B.A., 1971 and M.A., 1972, University of Florida;
Ph.D., 1978, University of Georgia.

Robertson, Emily A. (1999) Assistant Professor .......... Social Science, Communication
B.A., 1995, University of Tennessee;
M.A., 1997, Radford University;
Ph.D., 2004, University of Georgia.

Robertson, Edward (1998) Assistant Professor .......... Social Science, Communication
B.S., 1964, East Tennessee State University;
M.Ed., 1980, East Tennessee State University;

B.S., 1976, East Tennessee State University;
M.Ed., 1983, East Tennessee State University;
Ph.D., 1989, University of Tennessee.

Robertson, Michael (1997) Instructor........................... Social Science, Communication
B.S., 1978, University of Tennessee;
M.A., 1980, University of Tennessee;

Robertson, Robert (1997) Instructor........................... Social Science, Communication
B.S., 1986, East Tennessee State University;

Robertson, Susan (1999) Instructor........................... Social Science, Communication
B.S., 1989, East Tennessee State University;
M.A., 1997, Radford University;

Robertson, William (1996) Associate Professor .......... Social Science, Communication
B.A., 1976, East Tennessee State University;
M.A., 1992, East Tennessee State University;
Ph.D., 1997, University of Kentucky.

Robertson, Daniel (1998) Assistant Professor .......... Social Science, Communication
B.S., 1984, East Tennessee State University;
M.A., 1996, East Tennessee State University;
Ph.D., 2001, University of Georgia.

Robertson, James (1997) Assistant Professor .......... Social Science, Communication
B.A., 1976, University of Tennessee;
M.A., 1978, East Tennessee State University;
Ph.D., 1982, University of Florida.

Robertson, Joseph (1998) Assistant Professor .......... Social Science, Communication
B.A., 1978, University of Tennessee;
M.A., 1980, East Tennessee State University;
Ph.D., 1984, University of Georgia.

Robertson, Jennifer (1997) Instructor........................... Social Science, Communication
B.S., 1989, East Tennessee State University;
M.A., 1997, Radford University;

Robertson, Ken (1998) Assistant Professor .......... Social Science, Communication
B.A., 1979, University of Tennessee;
M.Ed., 1983, East Tennessee State University;
Ph.D., 1992, University of Georgia.

Robertson, Kevin (1998) Assistant Professor .......... Social Science, Communication
B.S., 1984, East Tennessee State University;
M.A., 1996, East Tennessee State University;
Ph.D., 2001, University of Georgia.

Robertson, Lisa (1999) Instructor........................... Social Science, Communication
B.A., 1981, East Tennessee State University;
M.A., 1993, East Tennessee State University;

Robertson, Mark (1998) Assistant Professor .......... Social Science, Communication
B.A., 1979, East Tennessee State University;
M.A., 1993, East Tennessee State University;

Robertson, Randy (1998) Assistant Professor .......... Social Science, Communication
B.A., 1979, University of Tennessee;
M.A., 1993, East Tennessee State University;

Robertson, Robert (1998) Assistant Professor ......... Social Science, Communication
B.A., 1979, University of Tennessee;
M.A., 1993, East Tennessee State University;

Robertson, Ryan (1998) Assistant Professor .......... Social Science, Communication
B.A., 1979, University of Tennessee;
M.A., 1993, East Tennessee State University;

Robertson, Susan (1998) Assistant Professor .......... Social Science, Communication
B.A., 1979, University of Tennessee;
M.A., 1993, East Tennessee State University;
SCHOOL OF GRADUATE STUDIES

Brown, Wesley C. (1980) Professor ............... Dean, School of Graduate Studies
B.A., 1969, Florida State University;
M.A., 1971, University of South Florida;
Ph.D., 1975, Kent State University.
ETSU Distinguished Faculty Award, 1991 and 1994.

Herrin, Roberta T. (1976) Professor .......................... English
B.S., 1970 and M.A., 1972, East Tennessee State University;
Ph.D., 1986, University of Tennessee.

COLLEGE OF MEDICINE

Abdel-Wahab, Ayman M. (2001) Assistant Professor ............... Pediatrics
M.D., 1988, Zagazig University, Zagazig, Egypt.

Acuff, Robert V. (1995) Professor ............... Adjunct Faculty, Home Economics/ Internal Medicine/Biochemistry
Director, Eastman Center for Nutrition Research
B.S., 1974, Louisiana State University;

B.S., 1956 and M.D., 1960, Yale University.

Adler, Christine M. (1991) Assistant Professor ....... Psychiatry and Behavioral Sciences
B.S., 1984, University of Santa Clara;
Ph.D., 1989, University of New York at Albany.

Airhart, Mark J. (1984) Associate Professor ............... Anatomy and Cell Biology
B.S., 1966, State University of New York at Cortland;
M.S., 1969, University of Connecticut;
Ph.D., 1981, University of Vermont.

Alison, Juduan (1994) Associate Professor ....................... Surgery
B.A., 1980, University of Tennessee, Knoxville;
B.S.N., 1984, St. Louis University, St. Louis, Missouri;
M.D., 1989, East Tennessee State University, James H. Quillen College of Medicine.

Anand, Rajani (1991) Assistant Professor ....................... Pediatrics
M.D., 1983, University of Mysore, India.

Ardell, Jeffrey L. (1998) Professor .................. Pharmacology
B.A., 1975, Colorado College;
Ph.D., 1986, University of Washington.

Armstrong, Stephen C. (1991) Assistant Professor ............... Pathology
B.S., 1979, University of Florida;
Ph.D., 1986, University of Pennsylvania School of Medicine.

Auerbach, John S. (1996) Professor ........ Psychiatry and Behavioral Sciences
B.A., 1980, Brown University;
Ph.D., 1988, State University of New York at Buffalo.

B.A., 1993, Vanderbilt University;
M.S., 1998, West Virginia University.

Adjunct Faculty, Internal Medicine
Executive Associate Dean, Academic and Faculty Affairs
M.D., 1968, Dalhousie University, Nova Scotia.

Baisden, Ronald H. (1978) Professor .................. Anatomy and Cell Biology

Banks, Jerry B. (2000) Assistant Professor .................. Family Medicine
B.A., 1985, Wake Forest University;
M.A., 1988, Western Carolina University;
M.D., 1992, Eastern Carolina University School of Medicine.

Bayard, Max (1999) Assistant Professor .................. Family Medicine
B.A., 1976, Baptist Bible College;
B.S., 1987, Memphis State University;
M.D., 1991, East Tennessee State University, James H. Quillen College of Medicine.

Behringer, Bruce A. (1992) Associate Professor ............... Family Medicine
Adjunct Faculty, Health Education
Executive Director, Office of Rural and Community Health
B.S., 1972, Pennsylvania State University;

Bennard, Bruce C. (1990) Associate Professor ............... Family Medicine
B.A., 1967, University of Massachusetts;

Bharti, Des R. (1990) Associate Professor ............... Pediatrics
M.B.B.S., 1972, J.N. Medical College, India.

Blackwelder, Reid B. (1992) Associate Professor ............... Family Medicine
Program Director, Kingsport
B.S., 1980, Haverford College;
M.D., 1984, Emory University School of Medicine.

Block, William A. Jr. (1998) Assistant Professor ............. Obstetrics/Gynecology
B.S., 1988, The University of the South;
M.D., 1992, East Tennessee State University, James H. Quillen College of Medicine.

Bochis, Melania (2002) Assistant Professor ................... Internal Medicine
M.D., 1999, East Tennessee State University, James H. Quillen College of Medicine.

A.B., 1965, Wesleyan University;
M.D., 1969, University of Pennsylvania School of Medicine.

Brahmbhatt, Hetal K. (2002) Assistant Professor .......... Psychiatry/Internal Medicine
Associate Program Director, Med-Psych Residency
M.B.B.S., 1990, N.H.L., Municipal Medical College, India;

Breuei, Kevin F. (1992) Associate Professor ............... Obstetrics/Gynecology
Adjunct Faculty, Physiology/ Biological Science/Anatomy and Cell Biology
B.S., 1982, Western Illinois University;
M.S., 1985, Clemson University;
Ph.D., 1992, West Virginia University.

Browder, L. William (1990) Professor ................... Chair, Surgery
B.S., 1967, Tulane University;
M.D., 1971, Tulane University School of Medicine.

Brown, Earl J. (1987) Professor .................... Pathology
B.S., 1977, McNeese State University;
M.D., 1981, Louisiana State University School of Medicine.

Brown, George (1994) Professor .................. Associate Chair, Psychiatry and Behavioral Science
M.D., 1983, University of Rochester School of Medicine.

Buyck, David W. (1999) Assistant Professor ............... Family Medicine
Medical Director, Kingsport

Byrd, Ryland P. Jr. (1995) Professor ..................... Internal Medicine
B.A., 1978, Wake Forest University;
M.D., 1985, University of Louisville.

Cancellaro, Louis A. (1979) Professor .... Psychiatry and Behavioral Sciences/ Anatomy and Cell Biology
Adjunct Faculty, Professional Roles/ Mental Health Nursing
Associate Dean, Veterans Affairs
B.S., 1955, Manhattan College;
Ph.D., 1960, New York University Graduate School of Arts & Science;
M.D., 1965, Duke University School of Medicine.

Castellino, Sharon M. (1998) Assistant Professor ............... Pediatrics
B.A., 1988, Mount Holyoke College;

Chamberlin, Marian (1982) Associate Professor ............... Internal Medicine

Champney, W. Scott (1982) Professor .... Biochemistry and Molecular Biology
Adjunct Faculty, Biological Sciences
A.B., 1965, University of Rochester;
Ph.D., 1970, State University of New York at Buffalo.
ETSU Distinguished Faculty Award, 2000.

Chastain, David O. (2001) Associate Professor ............... Pediatrics
B.A., 1973, University of Mississippi, Oxford;
M.D., University of Mississippi, Jackson.
Chi, David S. (1980) Professor .................................................. Internal Medicine
Adjunct Faculty, Microbiology/Pathology/Pharmacology
Chief, Division of Biomedical Research
B.S., 1965, National Chung-Hsing University, China;
M.A., 1974 and Ph.D., 1977, University of Texas Medical Branch.

Clarity, Gregory E. (1995) Associate Professor ..................... Family Medicine
Medical Director, Bristol
B.E., 1982, The Cooper Union;
M.D., 1993, East Tennessee State University, James H. Quillen College of Medicine.

Clark, Kenneth H. (1984) Assistant Professor .................... Obstetrics/Gynecology
B.S., 1979, East Tennessee State University;
M.D., 1983, University of Tennessee, Memphis.

Clark, Terrence P. (2001) Assistant Professor ............... Psychiatry and Behavioral Sciences
B.S., 1968, St. John's University;
M.D., 1973, Baylor College of Medicine.

Cobble, Anita Diane (1998) Assistant Professor .................... Surgery
B.S., 1989, East Tennessee State University;
M.D., 1993, East Tennessee State University, James H. Quillen College of Medicine.

Coogan, Philip S. (1978) Professor ........................................ Pathology
M.D., 1962, St. Louis University School of Medicine.

Copeland, Rebecca J. (1993) Assistant Professor .............. Internal Medicine
M.D., 1982, University of Tennessee College of Medicine.

Culp, John S. (1986) Associate Professor ...................... Family Medicine
Associate Program Director, Bristol
B.S., 1976, East Tennessee State University;
M.D., 1980, University of Alabama School of Medicine.

Daigneault, Ernest A. (1977) Professor Emeritus ................ Pharmacology
B.S., 1952, Massachusetts College of Pharmacy;
M.S., 1954, University of Missouri, Kansas City;
Ph.D., 1957, University of Tennessee, Memphis.

Dalle-Ave, Mark J. (1995) Assistant Professor .................. Family Medicine
B.A., 1981, Indiana University;
M.D., 1990, Escuela Autonoma Ciencias Medicas De Centro America
Doctor of Medicine.

B.S., 1980, Molloy College;
M.A., 1986, Stony Brook;
D.O., 1997, Nova-Southeastern University of the Health Sciences.

David, Daniel J. (1985) Professor ................................ Pathology
B.S., 1974, Washington and Lee University;
M.D., 1978, University of Virginia School of Medicine.

Defoe, Dennis M. (1996) Associate Professor .............. Anatomy and Cell Biology
B.A., 1974, University of Colorado;
Ph.D., 1981, University of Virginia.

DeLucia, Anthony J. (1977) Professor ...................... Surgery
Adjunct Faculty, Environmental Health
B.A., 1970, University of California;
Ph.D., 1974, University of California, Davis.
ETSU Foundation Research Award, 1983.

DeVo, William M. (1992) Associate Professor .............. Vice Chair, Pediatrics
B.A., 1974, Miami University;
M.D., 1977, Ohio State University College of Medicine.

Douglas, John E. (1980) Professor .................... Internal Medicine
B.A., 1959, Oberlin College;
M.D., 1963, Johns Hopkins University School of Medicine.

Drake, Janet (1999) Assistant Professor ............... Obstetrics/Gynecology

Duffourc, Michelle M. (1998) Assistant Professor ............. Pharmacology
B.S., 1985 and Ph.D., 1993, University of South Alabama.

Dun, Nae J. (1997) Professor ...................... Chair, Pharmacology
B.S., 1969, University of Illinois College of Pharmacy;
Ph.D., 1974, Loyola University of Chicago.
ETSU Distinguished Faculty Award, 2001.

Dunn, Julie (1998) Assistant Professor ....................... Surgery
B.S., 1984, University of California, Davis;
M.S., 1987, University of Tennessee, Knoxville;
M.D., 1991, East Tennessee State University, James H. Quillen College of Medicine.

M.D., 1972, Duke University School of Medicine;

Eacy, Tom W. (1995) Associate Professor ................. Physiology

Ernst-Fonberg, M. Lou (1978) Professor ............... Biochemistry and Molecular Biology
Adjunct Faculty, Biological Sciences
A.B., 1958, Susquehanna University;
M.D., 1962, Temple University School of Medicine;
Ph.D., 1967, Yale University.

Fahrig, Stephen A. (2000) Associate Professor ........... Internal Medicine
B.S., 1983, University of Notre Dame;
M.D., 1987, Ohio State University.

Program Director, Bristol
B.A., 1971, Amherst College;
M.D., 1975, Tulane University School of Medicine.

Ferguson, Donald A. Jr. (1978) Associate Professor .......... Microbiology
A.B., 1967, Clark University;
Ph.D., 1974, Syracuse University.

B.S., 1970, and M.S., 1976, University of Florida;
Ph.D., 1982, Louisiana State University School of Medicine.

Fields-Ossorio, Cheryl (1998) Associate Professor ........ Internal Medicine
B.S., 1979, Northern Kentucky University;
M.D., 1984, University of Louisville.

Finger, William W. (1997) Associate Professor ...... Psychiatry and Behavioral Sciences
B.A., 1983, University of Virginia;

Fisher, Janet S. (1975) Professor ...... Director for Development and Outreach
A.B., 1965, Jacksonville State University;
M.S., 1966, Florida State University.

B.A., 1974, Duke University;
M.D., 1980, Medical College of Virginia.

Floresguerra, Carlos A. (1994) Associate Professor ........ Surgery
B.S., 1975, Colegio Americano, Quito, Ecuador;
M.D., 1982, Universidad Del Salvador Medical School,
Buenos Aires, Argentina.

Floyd, Michael R. (1989) Associate Professor .......... Family Medicine
Adjunct Faculty, Psychiatry
B.S., 1970, University of Georgia;

Franks, Ronald D. (1997) Professor ............... Psychiatry and Behavioral Sciences
Vice President for Health Affairs
Dean, College of Medicine
M.D., 1971, University of Michigan Medical School.

Frizzell, Peter G. (2001) Assistant Professor ............. Psychiatry
B.S., 1977, Milligan College;
M.D., 1991, East Tennessee State University, James H. Quillen College of Medicine.

B.A., 1962, Emory University;
M.A.T., 1966, University of North Carolina, Chapel Hill;
M.D., 1977, Duke University School of Medicine.

Ganote, Charles E. (1989) Professor .................... Pathology
B.S., 1960, University of Cincinnati;
M.D., 1965, Vanderbilt University School of Medicine.

Gardberg, Leonard J. (2000) Assistant Professor .......... Internal Medicine
Hoover, Donald B. (1978) Professor ............................................ Pharmacology

Hooks, Mary A. (1996) Associate Professor ........................................... Surgery

Holt, James D. (2001) Assistant Professor ............................... Family Medicine

Hollins, Viola “Renee” (1999) Assistant Professor .......Obstetrics/Gynecology

Henson, Donald L. (1978) Professor .........................  Family Medicine

Haaser, Richard C. (1998) Assistant Professor ...... Psychiatry and Behavioral Sciences

Hall, John R. (1996) Professor .............................................. Surgery

Harvill, Leo M. (1977) Professor .......... Assistant Dean, Medical Education

Hayman, J. Russell (2002) Assistant Professor ................. Microbiology

Haynes, Daniel F. (1994) Associate Professor ............... Surgery

Henson, Donald L. (1997) Assistant Professor ...... Psychiatry and Behavioral Sciences

Herd, J. Kenneth (1978) Professor Emeritus ...................... Pediatrics

Hillman, Charles H. (2000) Assistant Professor ............. Obstetrics/Gynecology

Holli, Viola “Renee” (1999) Assistant Professor ...... Obstetrics/Gynecology


Hooks, Mary A. (1996) Associate Professor ............... Surgery

Hoover, Donald B. (1978) Professor ......................... Pharmacology

Hoskere, Girendra V. (2003) Assistant Professor .......... Internal Medicine


Houkland, Margaret W. (1977) Associate Professor .......... Anatomy and Cell Biology

Hubbs, Doris T. (1991) Associate Professor ............... Internal Medicine

Hudkins, Larry (1992) Professor ......................... Internal Medicine

Ismail, Hassam M. (2002) Assistant Professor ............. Internal Medicine

Jelovsek, Frederick R. (1991) Professor ..................... Obstetrics/Gynecology


Johnson, David A. (1978) Professor ............. Biochemistry and Molecular Biology


Kalbfleisch, John H. (1988) Professor ..................... Medical Education

Kao, Race L. (1992) Professor ......................... Surgery

Karnad, Anand B. (1989) Associate Professor .......... Internal Medicine

Katz, Tony (1996) Associate Professor ................. Surgery

Kauzlarich, Michael P. (2002) Assistant Professor .......... Family Medicine
Kayser, Allen (2001) Associate Professor .................................. Psychiatry Director, Residency Training
B.G.S., 1972, University of Nebraska, Omaha;
M.D., 1979, West Virginia University.

Keiter, Robert (1994) Assistant Professor .................. Psychiatry and Behavioral Sciences
M.D., 1967, University of North Carolina School of Medicine.

Kelley, Jim (1996) Professor ............................... Internal Medicine
B.S., 1969, Southern Nazarene University, Bethany, Oklahoma;

Kemp, Evelyn C. (2001) Assistant Professor ............... Family Medicine

Khaja, Nizamuddin (1998) Assistant Professor ...... Psychiatry and Behavioral Sciences
M.D., 1986, Siddharatha Medical College, Nagerjunna University, India.

Kilgus, Mark D. (2002) Associate Professor ............... Psychiatry and Behavioral Sciences
M.D., 1989, University of South Carolina.

Kimbrough, Barbara O. (1980) Professor ................... Surgery
Director, Division of Ophthalmology
B.S., 1972, Iowa State University;
M.D., 1976, Mayo Medical School.

Knight, T. T. (1997) Professor ................................. Surgery

Kohatsu, Wendy (1999) Assistant Professor .............. Family Medicine
B.S., 1989, University of California, Irvine;
M.D., University of California, Los Angeles School of Medicine.

Kostrewa, Richard M. (1978) Professor ...................... Pharmacology
B.S., 1965 and M.S., 1967, Philadelphia College of Pharmacy and Science;
Ph.D., 1971, University of Pennsylvania.
ETSU Foundation Award, 1981.

Krishnan, Koyamangalath (1998) Associate Professor ....... Internal Medicine
P.U.C., 1974, St. Joseph's College, India;
M.B.B.S., 1980, University of Madras, India;
M.D., 1987, Institute of Medical Education, India.

Krishnaswamy, Guha (1992) Professor ..................... Internal Medicine
Chief, Division of Allergy
Adjunct Faculty, Physiology
M.B.B.S., 1983, University of Madras Medical College, India.

Krozer-Hamati, Agnes K. (1991) Associate Professor ........ Internal Medicine
B.S., 1979, John Carroll University;
M.D., 1986, American University of the Caribbean, West Indies.

Kumar, P. Lucy (1993) Assistant Professor .................. Pediatrics
M.D., 1964, Andhra Medical College, India.

Kwasigroch, Thomas E. (1979) Professor .............. Anatomy and Cell Biology
Assistant Dean for Curriculum and Director, Anatomical Gift Program
B.S., 1967, Niagara University;
Ph.D., 1976, University of Virginia.

Laffan, John J. (1992) Associate Professor ............... Microbiology
B.A., 1982, Hamilton College;
Ph.D., 1988, Wesleyan University.

Laird, Kimberly J. (1992) Assistant Professor .............. Learning Resources
B.A., 1984, Bethel College;

Lang, Forrest (1984) Professor ......................... Family Medicine
Adjunct Faculty, Adult Nursing Director, Medical Education
B.A., 1967, University of Pennsylvania;
M.D., 1971, Hahnemann University School of Medicine.

Lauer-Silva, Karen (2001) Assistant Professor ........ Obstetrics & Gynecology
B.S., 1992, South Dakota School of Mines and Technology;
M.D., 1996, South Dakota School of Medicine.

Lee, Prescott P. (2001) Assistant Professor ................ Internal Medicine
B.S., 1988, University of California, Los Angeles;
M.D., 1993, Tufts University School of Medicine.

Leeper, Stephanie C. (1990) Associate Professor ........ Internal Medicine
Director of Ambulatory Care Training
B.S., 1983, East Tennessee State University;
M.D., 1987, East Tennessee State University, James H. Quillen College of Medicine.

Leicht, Stuart (1984) Professor ................................. Internal Medicine
Chief, Division of Dermatology
B.A., 1974, State University of New York;
M.D., 1978, Emory University School of Medicine.

Li, Chuanfu (1996) Associate Professor ....................... Surgery
Adjunct Faculty, Pharmacology
M.S., 1986, Nanjing Medical University, China;
M.D., 1978, Nanjing Medical University of China.

Lockett, Mark (2001) Assistant Professor ................... Surgery
B.A., 1990, Furman University;
M.D., 1994, Medical University of South Carolina.

Loyd, Stephen D. (2001) Assistant Professor ................ Internal Medicine
B.S., 1994, University of Tennessee, Knoxville;
M.D., 1998, East Tennessee State University, James H. Quillen College of Medicine.

Mayberry, William R. (1978) Professor .................. Associate Chair, Microbiology
B.A., 1961, University of Colorado;
M.A., 1963, Western State College of Colorado;
Ph.D., 1966, University of Georgia.

Mayberry-Carson, Katie J. (1979) Associate Professor .......... Microbiology

McCord, Elizabeth C. (1996) Associate Professor ........ Family Medicine, Program Director, Johnson City
B.S., 1974, Virginia Commonwealth University;
M.D., 1988, Virginia Commonwealth University Medical College of Virginia.

McElroy, Aubrey D. (2001) Assistant Professor ............... Surgery
Family Medicine

Mehta, Jayantial B. (1977) Professor ..................... Internal Medicine
Chief, Division of Preventive Medicine and Epidemiology
M.D., 1969, Government Medical College, India.

Director, Division of Cardiovascular and Thoracic Surgery
B.S., 1977, The Pennsylvania State University;
M.D., 1979, Jefferson Medical College.

Miller, Barney (1997) Associate Professor Psychiatry and Behavioral Sciences
Adjunct, Anatomy and Cell Biology
B.A., 1975, University of Tennessee-Chattamooop;
Ph.D., 1983, University of Tennessee-Memphis.

Miller, Merry N. (1995) Professor ...... Interim Chair, Psychiatry and Behavioral Sciences
B.S., 1975, Southwest at Memphis;
M.S., 1983, University of Tennessee;

Mills, Debra Quarles (2000) Assistant Professor .............. Pediatrics
B.A., 1988, University of Tennessee;
M.D., 1993, East Tennessee State University, James H. Quillen College of Medicine.

Miya moto, Michael D. (1978) Professor ..................... Pharmacology

Director, Division of Otolaryngology
B.A., 1974, Columbia College;
M.D., 1980, State University of New York Downstate College of Medicine.

Mohon, Ricky T. (1992) Assistant Professor ............... Pediatrics
Adjunct Faculty, Internal Medicine
B.S., 1977, University of Tennessee-Martin;
M.D., 1981, University of Tennessee College of Medicine.
Monaco, Paul J. (1987) Professor ----------- Anatomy and Cell Biology  
B.A., 1974, Menlo College;  

Moore, Jason B. (2002) Assistant Professor ----------- Family Medicine  
B.A., 1995, Miami University of Ohio; Oxford;  
M.D., 1999, Ohio State University College of Medicine.

Moorman, Jonathan P. (2000) Associate Professor ----------- Internal Medicine  
B.S., 1987, Loyola College;  
M.D., 1991, University of Virginia School of Medicine.

Morgan, Calvin V. (1996) Professor ----------- Surgery  
B.S., 1958, Davidson College;  
M.D., 1962, Duke University.

Moser, Michele R. (2002) Assistant Professor ----------- Psychiatry and Behavioral Sciences  
B.A., 1983, Augustana College;  

Moynihan, Patricia C. (1991) Professor ----------- Surgery  
Adjunct Faculty, Pediatrics  
Director, Division of Pediatric Surgery  
B.S., 1959, University of Southern Mississippi;  
M.D., 1965, University of Mississippi School of Medicine.

Mullersman, Jerald (2000) Associate Professor ----------- Pathology  
M.D./Ph.D., 1986, University of Florida.

Musich, Phillip R. (1980) Professor ----------- Biochemistry and Molecular Biology  
Adjunct Faculty, Biological Science  
B.S., 1968, Creighton University;  
Ph.D., 1973, University of Chicago.

Myers, James W. (1994) Associate Professor ----------- Internal Medicine  
B.S., 1981, East Tennessee State University;  
M.D., 1985, Wake Forest University.

Nunley-Gorman, Diana L. (1987) Associate Professor ----------- Internal Medicine  
B.A., 1979, Carson-Newman College;  
M.D., 1983, East Tennessee State University, James H. Quillen College of Medicine.

Olive, Kenneth (1989) Professor ----------- Vice Chair, Internal Medicine  
Associate Chair for Clinical Affairs  
B.S., 1977, Duke University;  
M.D., 1982, East Carolina University School of Medicine.

Olsen, Martin E. (1992) Professor ----------- Chair, Obstetrics/Gynecology  
Adjunct Faculty, Pediatrics  
B.S., 1981, Muskingum College;  
M.D., 1985, Medical School of Ohio.

Ossorio, Miquel A. (1996) Associate Professor ----------- Internal Medicine  
M.D., 1979, University Centro Occidental, Venezuela.

Pandian, Shantha (2001) Assistant Professor ----------- Psychiatry  
M.D., 1994, Karur Medical College, India.

Panini, Aruna S. (1996) Assistant Professor ----------- Family Medicine  
B.S., 1974, University of Bagalore, India;  
M.S., 1976, University of Madras, India;  
M.S., 1979, University of Cincinnati;  
M.D., 1992, University of Colorado.

Panini, Sankhavaram, R. (1996) Associate Professor ----------- Biochemistry and Molecular Biology  
B.S., 1968, Andhra University, Waltair, India;  
M.S., 1970, University of Baroda, India;  
Ph.D., 1975, Indian Institute of Science, Bangalore, India.

Peiris, Alan N. (1993) Professor ----------- Internal Medicine  

Pennington, Glenn (2000) Professor ----------- Surgery  
B.A., 1962, University of Mississippi, Jackson;  
M.D., 1966, University of Mississippi, Oxford.

Pillinger, Lynn (1981) Professor ----------- Internal Medicine  
B.S., 1972, Duke University;  
M.D., 1977, Medical University of South Carolina.

Pollitte, Jonathan (2001) Assistant Professor ----------- Internal Medicine  
B.S., 1990, Kentucky Wesleyan College;  
M.D., 1999, East Tennessee State University, James H. Quillen College of Medicine.

Ponnappa, Biddanda (Suresh) P. (1999) Professor ----------- Assistant Dean, Learning Resources, Director of Library and Biomedical Communications  
B.Sc., 1970, University of Agricultural Sciences, Bangalore, India;  
M.S.L.S., 1984, University of Tennessee, Knoxville.

Pop, Anca (2000) Clinical Associate Professor ----------- Internal Medicine  
B.S., 1985, St. Save College, Bucharest, Romania;  
M.S., 1991, Medical and Pharmaceutical University, Bucharest, Romania.

B.S., 1991, Oklahoma City University;  
M.D., 1997, University of Oklahoma College of Medicine.

Price, David T. (1997) Assistant Professor ----------- Residency Program Director, Pediatrics  
B.S., 1978 and M.D., 1982, University of South Carolina.

Pryor, Elizabeth (2001) Assistant Professor ----------- Obstetrics/Gynecology  

Pumariega, Andres J. (1996) Professor ----------- Psychiatry and Behavioral Sciences  
Director of Child and Adolescent Psychiatry  
B.S., 1973 and M.D., 1976, University of Miami.

Radford, J. Michael (1995) Assistant Professor ----------- Psychiatry and Behavioral Sciences  
B.A., 1985, University of Tennessee, Chattanooga;  
M.D., 1990, East Tennessee State University, James H. Quillen College of Medicine.

Ram, Vijay (1999) Clinical Assistant Professor ----------- Internal Medicine  
B.S., 1994, Bangalore Medical College, Bangalore, India;  
M.D., 1999, East Tennessee State University, James H. Quillen College of Medicine.

Adjunct Faculty, Obstetrics/Gynecology  
B.S., 1962, Western Carolina University;  
M.S., 1964 and Ph.D., 1968, University of Tennessee-Knoxville.

Rasn, Ellen M. (1978) Professor ----------- Anatomy and Cell Biology  
Ph.B., 1945, B.S., 1947, M.S., 1948 and Ph.D., 1950,  
The University of Chicago.  
ETSU Distinguished Faculty Award, 1989.

Raulston, Jane E. (2000) Associate Professor ----------- Microbiology/Pathology  
B.S., 1984, East Tennessee State University;  
Ph.D., 1988, University of Tennessee.

Rice, Peter J. (1986) Associate Professor ----------- Pharmacology  
B.S., 1976, Northeastern University;  
Ph.D., 1983, Ohio State University College of Pharmacy.

Ridgeway, Nathan A. (1979) Professor ----------- Internal Medicine  
Chief, Division of General Internal Medicine  
Residency Program Director, Kingsport Faculty Emeritus  
B.S., 1953, Furman University;  
M.D., 1957, Duke University School of Medicine.

Robbins, Sherry L. (1998) Assistant Professor ----------- Family Medicine  
B.S., 1984, East Tennessee State University;  
M.D., 1989, East Tennessee State University, James H. Quillen College of Medicine.

Robinson, Mitchell E. (1985) Professor ----------- Biochemistry and Molecular Biology  
Assistant Dean for Graduate Studies  
Adjunct Faculty, Biological Sciences  
B.S., 1976, University of North Carolina, Chapel Hill;  
M.S., 1978, Western Carolina University;  
Ph.D., 1983, Wake Forest University, Bowman Gray School of Medicine.

Rose, Douglas J. (2002) Assistant Professor ----------- Family Medicine  
B.S., 1990, Saint Francis University;  
M.D., 1998, Jefferson Medical College of Thomas Jefferson University.

Rowe, Brian P. (1981) Professor ----------- Physiology  

Roy, Thomas M. (1994) Professor ----------- Internal Medicine  
Chief, Division of Pulmonary Diseases  
Associate Chair for Faculty/Resident Development and Research  
B.A., 1969, University of Louisville;  
M.D., 1973, University of Louisville School of Medicine.
Smith, Stephen J. (2002) Assistant Professor ......................... Internal Medicine
B.S., 1982, Louisiana State University;
M.D., 1986, Louisiana State University, Medical College.

Smith, Steven M. (1998) Assistant Professor ......................... Internal Medicine
B.S., 1980, East Tennessee State University;
M.D., 1985, East Tennessee State University, James H. Quillen College of Medicine.

Stanton, Paul E. Jr. (1985) Professor ................................ Surgery
University President
B.A., 1965, Emory University;
M.D., 1969, Medical College of Georgia.

Stern, Patrick (1999) Professor ........................................... Pediatrics
B.S., 1970, University of Notre Dame;
M.D., 1974, Case Western Reserve University.

Adjunct Faculty, Psychiatry
B.S., 1966, State University of New York, Stony Brook;
M.S., 1968, Marshall University;
Ph.D., 1972, State University of New York, Stony Brook.

Stuart, Charles A. (2000) Professor .............................. Chair, Internal Medicine

Summers, Jeffrey A. (2000) Associate Professor ................. Internal Medicine
B.S., 1979, Hofgart College;
M.D., 1982, Ohio State University College of Medicine.

Testerman, George (1999) Associate Professor .................... Surgery
B.S., 1975, Vanderbilt University;
M.D., 1978, University of Tennessee.

Thewke, Douglas P. (1996) Assistant Professor ... Biochemistry and Molecular Biology
M.Sc., 1990, Central University of Pondicherry;

Tober-Meyer, Brunhilde K. (1978) Associate Professor .............. Physiology
Adjunct Faculty, Microbiology
D.V.M., 1964, Tierarztliche Hochschule, Hannover, Germany;
M.S., 1973, State University of New York, Buffalo.

Townsend, Thomas (1991) Associate Professor .................. Family Medicine
B.S., 1969, Hendrix College;
M.D., 1973, University of Arkansas School of Medicine.

Trent, Stephen (2002) Assistant Professor ......................... Microbiology
B.A., 1994, University of Virginia;
Ph.D., 1998, East Tennessee State University, James H. Quillen College of Medicine.

Tudiver, Fraser G. (2001) Professor ................................. Family Medicine
B.S., 1968, McGill University;

Turner, Barbara B. (1982) Professor ......................... Adjunct Faculty, Psychiatry
Ph.D., 1974, University of California, Los Angeles.

Vance, Hubert R. “Booney” (1997) Associate Professor .... Psychology and Behavioral Sciences
B.S., 1966 and M.A., 1969, East Tennessee State University;
Ph.D., 1973, Ohio State University.

Velasco, Jose P. Assistant Professor ......................... Family Medicine

Votaw, May L. (1978) Professor Emerita ......................... Internal Medicine
A.B., 1952, Hope College;
M.D., 1956, University of Michigan Medical School.

Walker, Elaine (1991) Clinical Assistant Professor ................. Internal Medicine
B.S., 1979 North Dakota State University;
Ph.D., 1988, University of North Carolina, Chapel Hill.
Wallace, Richard L. (2000) Assistant Professor Leaning Resources Coordinator, Interlibrary Services and Outreach Services
B.Ed., 1980, Graham Bible College;
M.Ed., 1982, Columbia Biblical Seminary;
M.Div., 1990, Mid-America Baptist Theological Seminary;
M.S.L.S., 1994, University of Tennessee;

Wallen, Ellen B. (1999) Assistant Professor Forensic Pathology
M.D., 1989, East Tennessee State University, James H. Quillen College of Medicine.

Walters, David N. (1989) Professor Surgery
B.S., 1973, University of Wyoming;
M.D., 1977, Medical College of Georgia.

Wattad, Ahmad A. (1990) Professor Pediatrics
M.D., 1977, Padova University, Italy.

Watkins, Donna J. (1995) Assistant Professor Learning Resources
B.S., 1982, University of Wisconsin;

Whaley, Martha Garland (2000) Assistant Professor Learning Resources Coordinator, Technical Services and History of Medicine

Whitaker, Jack H. (1995) Assistant Professor Internal Medicine
B.S., 1975 and M.S., 1982, East Tennessee State University;
M.D., 1989, East Tennessee State University, James H. Quillen College of Medicine.

Williams, Carole A. (1980) Professor Physiology
A.B., 1969, Albereus Magnus College;
Ph.D., 1977, St. Louis University.

Williams, David L. (1991) Professor Surgery Adjunct Faculty, Pharmacology
B.S., 1974, Kentucky Wesleyan College;
Ph.D., 1985, Tulane University;
ETSU Distinguished Faculty Award, 1997.

Williams, Marcus G. (1989) Associate Professor Surgery
B.S., 1974, Harvard University;
M.D., 1979, Howard University College of Medicine.

Wilson, Jim L. (1995) Professor Chair, Family Medicine
A.B., 1966, Washington University, St. Louis;
M.D., 1970, University of Missouri.

Wondergem, Robert (1978) Professor Physiology
B.S., 1972, Calvin College;
Ph.D., 1977, The Medical College of Wisconsin.

Woodruff, Michael L. (1979) Professor Anatomy and Cell Biology
ETSU Provost for Research and Sponsored Programs/Executive Director, ETSU Research Foundation
B.A., 1969, University of Michigan;
M.S., 1971 and Ph.D., 1973, University of Florida;
ETSU Foundation Research Award, 1990.

Woodside, Jack R. Jr. (1992) Associate Professor Family Medicine Associate Program Director
B.A., 1973, University of Virginia;
M.D., 1977, Jefferson Medical College.

Wooten, Daniel J. (1995) Professor Surgery
B.S., Lafayette College, Pennsylvania;
M.D., 1965, Meharry Medical College.

Wyrrick, Priscilla B. (2000) Professor Chair, Microbiology

York, Jackie R. (2002) Assistant Professor Pediatrics
B.S., 1992, East Tennessee State University;
M.D., 1996, East Tennessee State University, James H. Quillen College of Medicine.

Young, Mark F. (1992) Professor Internal Medicine
B.S., 1981, East Tennessee State University;
M.D., 1985, East Tennessee State University, James H. Quillen College of Medicine.

Youngberg, George A. (1980) Professor Pathology Adjunct Faculty, Internal Medicine
B.A., 1973, Lake Forest College;
M.D., 1977, Northwestern University Medical School.

Zahorik, Pamela M. (1995) Associate Professor Family Medicine
B.A., 1981, Colorado College;
Ph.D., 1991, Case Western Reserve University.

Zakaria, Wael N. (1994) Associate Professor Internal Medicine
M.D., 1983, University of Jordan School of Medicine, Jordan.

Zou, Yue (2001) Associate Professor Biochemistry & Molecular Biology
B.S., 1982, Chengdu University of Science and Technology, China;
M.S., 1985, Dalian Institute of Chemical Physics, Chinese Academy of Sciences;

COLLEGE OF NURSING
Alley, Nancy M. (1972) Professor Family/Community Nursing Executive Associate Dean, College of Nursing Interim Chair, Professional Roles/Mental Health Nursing
B.S.N., 1968, Medical College of Virginia;
M.S., 1972, Virginia Commonwealth University;
Ph.D., 1987, University of Tennessee-Knoxville.

M.S.N., 1972, West Virginia University;
M.D., 1978, University of Kentucky;
Ph.D., 1982, University of Michigan.

Blowers, Sally S. (1996) Associate Professor Adult Nursing
B.S.N., 1966, Columbia University;
M.S., 1969, University of Rochester;
Ph.D., 1996, University of Tennessee-Knoxville.

Brehm, Jerilyn S. (1994) Assistant Professor Family/Community Nursing

Conco, Diana D. (2001) Assistant Professor Adult Nursing
B.S.N., 1974, University of Maryland;
M.S.N., 1979, Medical College of Georgia;
Ph.D., 1993, University of South Carolina.

Drummond, Ellen W. (1994) Assistant Professor Adult Nursing
B.S.N., 1975, Jacksonville State University;

Dunham-Taylor, Janne (1998) Professor Chair, Adult Nursing
B.S., 1968, Michigan State University;
M.S., 1978, University of Michigan;
Ph.D., 1982, University of Michigan.

Edds, Judy A. (2001) Assistant Professor Practice and Research
B.S.N., 1971, East Tennessee State University;
M.S.N., 1991, University of Tennessee-Knoxville;

Edwards, Joellen B. (1989) Professor Family/Community Nursing Dean, College of Nursing
A.D.N., 1974, Kent State University;
B.S.N., 1979, Ohio University;
M.S.N., 1982, West Virginia University;
Ph.D., 1988, Ohio University.

Ghaffair, Masoud (2002) Assistant Professor Adult Nursing B.S., 1978, Institute of Paramedical Sciences;
A.D.N., 1995, Lora County Community College;
M.Ed., 1996, Cleveland State University;
M.S.N./B.S.N., 1999, University of Akron;
Ph.D., 2001, Cleveland State University.

Glen, Loyd Lee (1992) Professor Professional Roles/Mental Health Nursing
B.A., 1974, University of California;
Ph.D., 1979, Stanford University.

Grover, Susan M. (1980) Associate Professor Chair, Family/Community Nursing
B.S.N., 1969, Alfred University;
M.S.N., 1979, University of Rochester;
Ph.D., 1993, University of Tennessee-Knoxville.

Hayes, Patricia A. (1999) Assistant Professor .......... Adult Nursing
B.S.N., 1981, Grand View College;
M.S., 1985, University of Minnesota;
Ph.D., 1997, Georgia State University.

Hemphill, Jean C. (1997) Assistant Professor .......... Family/Community Nursing
B.S.N., 1976 and M.S.N., 1985, University of Tennessee, Knoxville.

Kaudiwitz, Laurie A. (1985) Assistant Professor .......... Family/Community Nursing

Kerley, Linda J. (1984) Associate Professor .......... Adult Nursing
B.S., 1964 and M.A., 1965, Appalachian State University;
B.S.N., 1978, East Tennessee State University;
M.S.N., 1983, University of North Carolina at Greensboro;
Ph.D., 1993, University of Texas at Austin.

King, Marjorie S. (1996) Associate Professor Professional Roles/Mental Health Nursing
B.S.N., 1970, Duquesne University;
M.N.Ed., 1976, University of Pittsburgh;

Kirk, Celesta C. (1971) Associate Professor .......... Family/Community Nursing
B.S.N., 1963, Vanderbilt University;
M.A., 1977, East Tennessee State University;
M.S.N., 1989, University of Virginia.

B.S.N., 1965, Cornell University;
M.N., 1977, University of Florida;
D.N.Sc., 1987, University of Pennsylvania.

Macnee, Carol L. (1993) Professor .......... Family/Community Nursing Director of Research
B.S.N., 1973, University of Michigan;
M.S.N., 1979, University of Virginia;
Ph.D., 1990, University of Michigan.

Marrs, Jo-Ann (2002) Professor .......... Chair, Professional Roles/Mental Health Nursing
Diploma, 1969, St. Mary’s School of Nursing;

May, Barbara A. (2000) Assistant Professor .......... Professional Roles/Mental Health Nursing
B.S.N., 1967, California State University;
M.S., 1978, Dreux University;
B.S.N., 1983, Murray State University;
M.S., 1996, University of Iowa.
Ph.D., 2000, University of Tennessee-Knoxville.

McCabe, Susan (1994) Associate Professor Professional Roles/Mental Health Nursing
B.S.N., 1982, Syracuse University;
M.S., 1988, Russell Sage College;

McConnell, Peggy R. (1974) Assistant Professor .......... Adult Nursing
B.S.N., 1970, East Tennessee State University;
M.S., 1971, Emory University.

McCook, Judy G. (1997) Assistant Professor .......... Family/Community Nursing
B.S.N., 1976, Medical College of Georgia;
M.S., 1979, University of Alabama, Birmingham.

Merriman, Carolyn S. (1996) Associate Professor .......... Family/Community Nursing
B.S.N., 1979, University of Evansville;
M.S.N., 1983, Texas Woman’s University.

Poole, Deborah K. (2000) Assistant Professor .......... Adult Nursing
B.S.N., 1983 and M.S.N., 1986, University of North Carolina-Chapel Hill;
Ph.D., 1999, Medical College of Georgia.

Quillin, Stephanie I. (1992) Associate Professor .......... Family/Community Nursing
B.S.N., 1963, Capital University;
M.S., 1969, University of California, San Francisco Medical Center;
Ph.D., 1983, Wayne State University.

Ramsey, Priscilla W. (1990) Associate Professor .......... Adult Nursing
Diploma, 1960, Massachusetts General Hospital School of Nursing;
B.S.N., 1976 and M.S.N., 1979, Clemson University;
Ph.D., 1990, University of Virginia.

Rayman, Kathleen M. (1999) Assistant Professor .......... Professional Roles/Mental Health Nursing
B.S.N., 1978, University of Pittsburgh;
M.S.N., 1987 and Ph.D., 1994, University of Virginia.

Reed, Susan L. (1995) Instructor .......... Practice and Research Director, Johnson City Downtown Clinic

Reesman, Karen S. (1993) Assistant Professor .......... Family/Community Nursing
B.S.N., 1974, Rutgers University;
M.A., 1977, New York University;
Ph.D., 2000, University of Tennessee-Knoxville.
ETSU Distinguished Faculty Award, 2001.

Reeves, Amy L. (2002) Assistant Professor .......... Professional Roles/Mental Health Nursing
A.D., 1987, Belmont College;
B.S.N., 1993, University of the State of New York;
M.S.N., 1994, Vanderbilt University.

Rice, Judith B. (2000) Assistant Professor .......... Professional Roles/Mental Health Nursing

Schaller-Ayers, Jennifer M. (2001) Associate Professor .......... Family/Community Nursing
B.S., 1969, San Jose State College;
M.N.Sc., 1982, University of Arkansas for Medical Sciences;
Ph.D., 1994, Oregon Health Sciences University.

Seymour, Rosalee J. (1993) Associate Professor .......... Professional Roles/Mental Health Nursing
B.S.N., 1971, West Chester University;

Shell, Renee C. (1999) Assistant Professor .......... Adult Nursing

Smith, Patricia L. (1990) Professor Professional Roles/Mental Health Nursing Associate Dean, Academic Programs
B.S.N., 1964, Northwestern State University;
M.S.N., 1977, Medical College of Georgia;
Ed.D., 1989, University of Tennessee-Knoxville.

Trumbly, Sharon G. (1993) Assistant Professor .......... Family/Community Nursing
B.S.N., 1971, Columbia University;
M.S.N., 1977, Boston College.

B.S.N., 1976, University of Wisconsin-Eau Claire;
M.S., 1980, University of Wisconsin-Milwaukee;
Ph.D., 1986, University of Illinois-Chicago.
ETSU Distinguished Faculty Award, 2000.

Wallis, Jennie E. (1998) Associate Professor .......... Family/Community Nursing
B.S.N., 1972, East Tennessee State University;
M.S.N., 1976, University of Tennessee, Memphis.

Willock, Katherine M. (1998) Assistant Professor .......... Family/Community Nursing
B.A., 1973, Concordia College;
A.D.N., 1980, North Iowa Area Community College;
B.S.N., 1988, University of Texas-Arlington;
M.S., 1990, Texas Woman’s University;
Ph.D., 1998, Kansas State University.

COLLEGE OF PUBLIC AND ALLIED HEALTH

B.S., 1974, Walla Walla College;
M.D., 1977, and M.P.H., 1989, Loma Linda University;
Ph.D., 2002, University of Texas.

B.S., 1985 and M.S., 1987, University of North Carolina at Chapel Hill;
Ph.D., 1999, Ohio State University.
Barnhart, Robert C. (1996) Assistant Professor ................. Physical Therapy
Academic Coordinator of Clinical Education
B.A., 1977, West Virginia Wesleyan College;
Certificate Physical Therapy, 1979, Emory University;
M.S., 1992, University of Tennessee, Knoxville.

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# Undergraduate Application

Print or type both sides of application

Social Security Number ____________________________

Current Date ____________________

Expected Date of Entrance ______________ Year __________ Semester: [ ] Fall [ ] Spring [ ] Summer

## PERSONAL DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Last</th>
<th>First</th>
<th>Middle</th>
<th>Former</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Legal Permanent Address

<table>
<thead>
<tr>
<th>Street</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>County</th>
<th>Area Code</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tr>
</tbody>
</table>

For the past 12 months have you continuously resided in Tennessee? [ ] Yes [ ] No

Daytime Telephone # ____________________ (Work # If Applicable)

Personal e-mail address (optional): ____________________________ Religious Preference: ____________________________

Date of Birth: ____________________ Gender: [ ] Male [ ] Female

Ethnic Origin: [ ] Asian or Pacific Islander [ ] Am. Indian [ ] Black not Hispanic [ ] Hispanic [ ] White not Hispanic [ ] Alaskan Native

U.S. Citizen: [ ] Yes [ ] No If no, country of citizenship and visa type ____________________________

Country | Visa Type
--------|-----------

Nearest relative's full name: [ ] Mr. [ ] Ms. ____________________________

Relationship: [ ] Father [ ] Mother [ ] Spouse [ ] Guardian [ ] Other ____________________________

Relative's Address

(If Different) | Street | City | State | Zip Code |
--------------|--------|------|-------|---------|
              |        |      |       |         |

Relative's Area Code/Telephone (_______) ____________________________

<table>
<thead>
<tr>
<th>Area Code</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Intended College Major or Pre-Professional Curricula ____________________________ Concentration (If Applicable) ____________________________

(See listing of majors and colleges/schools on Page 4 of this application.)

## HIGH SCHOOL INFORMATION

High School ____________________________ Dates Attended: From ________ Month ________ Year ________ To ________ Month ________ Year ________

<table>
<thead>
<tr>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Graduation Year ________ If you are not a high school graduate, have you completed the GED? [ ] Yes [ ] No Year GED Received ________

If yes, you must request your official GED results be sent to the Office of Admissions.

## ENROLLMENT PLAN

[ ] Full Time [ ] Part Time

## CLASSIFICATION (Check only one)

<table>
<thead>
<tr>
<th>First-time Freshman</th>
<th>Transfer Student</th>
<th>Special Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] No prior college</td>
<td>Freshman</td>
<td>Visiting Student</td>
</tr>
<tr>
<td>[ ] Freshman</td>
<td>Sophomore</td>
<td>2nd Undergraduate Degree</td>
</tr>
<tr>
<td>[ ] Junior</td>
<td>Senior</td>
<td>Undergraduate Special</td>
</tr>
</tbody>
</table>

(One term only at ETSU, credit to be transferred) - (may not qualify for financial aid)

(Holds bachelor's degree and working toward 2nd undergraduate degree)

(Not working toward a degree. Includes post-baccalaureates taking undergraduate courses) - (may not qualify for financial aid)

## PROCEDURE

1. Enclose $15.00 application fee (non-refundable)
2. Freshman applicants under 21 years of age are required to submit ACT or SAT scores.
3. Freshman applicants must submit high school transcript.
4. Transfer applicants must submit both high school transcript and transcripts from each college attended.
5. Visiting students must submit a letter of good standing from their current school.

Have you ever attended any college or university? [ ] Yes [ ] No Note: Please see signature section for important information concerning transfer. If yes, you must complete the College Transfer Information section on back. PLEASE COMPLETE OTHER SIDE.
COLLEGE TRANSFER INFORMATION: (Official transcripts from each college or university must be submitted to the Office of Admissions.)

List colleges beginning with most recent:

1) 
Name of College ___________________________ 
Are You Currently Enrolled? □ Yes □ No Are You Eligible For Readmission? □ Yes □ No Dates Attended: From ___________ To ___________ 
City ___________________________ State ___________________________

2) 
Name of College ___________________________ 
Are You Currently Enrolled? □ Yes □ No Are You Eligible For Readmission? □ Yes □ No Dates Attended: From ___________ To ___________ 
City ___________________________ State ___________________________

3) 
Name of College ___________________________ 
Are You Currently Enrolled? □ Yes □ No Are You Eligible For Readmission? □ Yes □ No Dates Attended: From ___________ To ___________ 
City ___________________________ State ___________________________

4) 
Name of College ___________________________ 
Are You Currently Enrolled? □ Yes □ No Are You Eligible For Readmission? □ Yes □ No Dates Attended: From ___________ To ___________ 
City ___________________________ State ___________________________

Select colleges beginning with most recent:

Have you ever been dismissed, placed on social probation, or denied readmission to any college? □ Yes □ No If Yes, explain: ___________________________

DEGREE INFORMATION

Have you earned a college degree? □ Yes □ No

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
<th>College</th>
<th>State</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Have you ever attended ETSU? □ Yes □ No If Yes, give semester of first enrollment ________ Year ________

Military Veteran: □ Yes □ No (To determine possible service credit, veterans are required to submit form DD-214 Service Separation, to the Office of Admissions.)

SIGNATURE - I understand the policies outlined above and I hereby certify that all statements in this application are correct and complete. Failure to submit correct and complete information shall be considered to be utterance of a false oath on an official document and may result in the immediate dismissal of the student without refund of fees, as determined by a review of a judicial board.

Signature ___________________________ Date ___________________________
High School Transcript Form

TO BE COMPLETED BY COUNSELOR
In order to process an application, we must have the following:
1. An Official High School Transcript
2. A Completed High School Transcript Form (this form)
3. ACT and/or SAT Scores
4. Please Note: The Transcript Supplement section of this form must be completed for all seniors.

STUDENT AND HIGH SCHOOL INFORMATION

Social Security Number ________________________________

Name, in full ___________________________________________________________________ Birth Date ___________, Sex _____

Entered __________________________________________________________________________

Name of High School ____________________________________________________________________

School accredited by 

□ Was graduated ________________________________

□ Will be graduated ________________________________

□ Withdrew ________________________________ Date ________________________________

School grading scale, highest to lowest: 

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numeric Range</th>
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<tbody>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
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</tbody>
</table>

□ Other

Other secondary schools attended: ______________________________________________________

High School GPA (4.0 Scale) _______ Rank in Class/Total Class Enrollment _______ / _______ through _______ Semester of _______ Year

Tennessee Residents - TCAP Test Passed? Yes □ No □

TEST RECORD

ACT Test Date ___/___/______

Month Year

SAT Test Date ___/___/______

Month Year

ACT STANDARD SCORES

<table>
<thead>
<tr>
<th>TEST SCORES</th>
<th>ENGLISH</th>
<th>MATHEMATICS</th>
<th>READING</th>
<th>SCI REAS</th>
<th>COMPOSITE</th>
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<td>SUBTEST SCORES</td>
<td>USE/MECH</td>
<td>RHET</td>
<td>ELEM/ALG</td>
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SAT STANDARD SCORES

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<tr>
<th>TEST SCORES</th>
<th>VERBAL</th>
<th>MATH</th>
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TRANSCRIPT SUPPLEMENT (High School Seniors Only)
Courses in progress or to be completed during senior year.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Unit Credit</th>
<th>Course Name</th>
<th>Unit Credit</th>
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<tr>
<td>A. _________</td>
<td>___________</td>
<td>E. _________</td>
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<td>B. _________</td>
<td>___________</td>
<td>F. _________</td>
<td>___________</td>
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<tr>
<td>C. _________</td>
<td>___________</td>
<td>G. _________</td>
<td>___________</td>
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<tr>
<td>D. _________</td>
<td>___________</td>
<td>H. _________</td>
<td>___________</td>
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</table>

Please give any additional information you consider pertinent to an evaluation of this applicant:

SIGNATURE OF SCHOOL OFFICIAL

__________________________ / ____________  ___________________________ / ____________  ___________________________ / ____________

Name  Title  Date
Undergraduate Majors - Colleges and Schools

<table>
<thead>
<tr>
<th>Abbrev.</th>
<th>Major</th>
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<tbody>
<tr>
<td>ARTA</td>
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<tr>
<td>BIOL</td>
<td>Biology</td>
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<tr>
<td>CHEM</td>
<td>Chemistry</td>
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<tr>
<td>CJCJ</td>
<td>Criminal Justice/Criminology</td>
</tr>
<tr>
<td>ENGL</td>
<td>English</td>
</tr>
<tr>
<td>LANG</td>
<td>French</td>
</tr>
<tr>
<td>LANG</td>
<td>German</td>
</tr>
<tr>
<td>HIST</td>
<td>History</td>
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<tr>
<td>MCOM</td>
<td>Mass Communications</td>
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<tr>
<td>MATH</td>
<td>Mathematics</td>
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<td>MUSC</td>
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<td>PSCI</td>
<td>Political Science</td>
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<td>SOCI</td>
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<td>SOWK</td>
<td>Social Work</td>
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<td>LANG</td>
<td>Spanish</td>
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<tr>
<td>SPCH</td>
<td>Speech</td>
</tr>
</tbody>
</table>

COLEGE OF ARTS AND SCIENCES

COLEGE OF BUSINESS AND TECHNOLOGY

BUSINESS MAJORS:

All B.B.A. (Bachelor of Business Administration)
majors initially listed as Pre-Business

<table>
<thead>
<tr>
<th>Abbrev.</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBUS</td>
<td>Accounting</td>
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<tr>
<td>PBUS</td>
<td>Economics</td>
</tr>
<tr>
<td>PBUS</td>
<td>Finance</td>
</tr>
<tr>
<td>PBUS</td>
<td>Management</td>
</tr>
<tr>
<td>PBUS</td>
<td>Marketing</td>
</tr>
<tr>
<td>PBUS</td>
<td>Pre-Business (Undecided, Business)</td>
</tr>
<tr>
<td>ECOA</td>
<td>Economics-Bachelor of Arts Degree</td>
</tr>
</tbody>
</table>

TECHNOLOGY MAJORS:

AHSC  Applied Human Sciences
CSCI  Computer and Information Sciences
DIGM  Digital Media
GEOG  Geography
ENTC  Engineering Technology
SUVM  Surveying and Mapping Science

SCHOOL OF CONTINUING STUDIES

BGSD  General Studies
BASD  Applied Science
BSIS  Interdisciplinary Studies (Regents' Degree Online)
BSPS  Professional Studies (Regents' Degree Online)

COLEGE OF EDUCATION

Some Education Majors Initially Listed as Pre-Education (PRED)

PRED  Interdisciplinary Studies (Elementary Education)
PRED  Special Education
PRED  Early Childhood Development
HDLC  Human Development and Learning - Career
HDLT  Human Development and Learning - Teaching
SALM  Sport Management and Leisure Services

COLEGE OF PUBLIC AND ALLIED HEALTH

Nave Center, Elizabethton, TN

*BSAH  Radiography
*BSAH  Cardiopulmonary Science

COLEGE OF NURSING

All Nursing Majors Initially Listed as Pre-Nursing

*PBSN  Pre-Baccalaureate Degree Nursing

MAJOR UNDECIDED

UDEC  Undecided

PRE-PROFESSIONAL (Curricula designed for professional preparation advisement - actual majors may vary)

PDEN  Pre-Dental
PENG  Pre-Engineering
PMED  Pre-Medicine
POPT  Pre-Optometry
PPHY  Pre-Pharmacy
 PROT  Pre-Occupational Therapy
PRPT  Pre-Physical Therapy
PVET  Pre-Veterinary Medicine

*Limited admission program - additional departmental admission process.

East Tennessee State University makes available to prospective students the ETSU Security Information Report. This annual report includes campus crime statistics for the three most recent calendar years and various campus policies concerning law enforcement, the reporting of criminal activity, and crime prevention programs. The ETSU Security Information Report is available upon request from the Department of Public Safety, Box 70646, ETSU, Johnson City, TN 37614. The report can be accessed on the Internet at: http://www.etsu.edu/dps/security_report.htm.

Pursuant to The Student Right to Know and Campus Security Act, Public Law 101-542, as amended, graduation rates at East Tennessee State University range from 34% to 75%, depending on the method of calculation and the programs being analyzed.

East Tennessee State University is a Tennessee Board of Regents institution and is fully in accord with the belief that educational and employment opportunities should be available to all eligible persons without regard to age, gender, color, race, religion, national origin, disability, veteran status, or sexual orientation.