## Engineering Technology/Sustainable Design Concentration

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>CREDIT HOURS</th>
<th>TERM COMPLETED</th>
<th>GRADE</th>
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<tbody>
<tr>
<td><strong>Semester I (Fall)</strong></td>
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<tr>
<td>CET 1010 Construction Methods</td>
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<tr>
<td>CET 2501 Introduction to Sustainability</td>
<td>3</td>
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<tr>
<td>ENGL 1010 English Composition I</td>
<td>3</td>
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<tr>
<td>ENGT 1010 Engineering Technology Technical</td>
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<tr>
<td>MATH 1720 Precalculus Trigonometry</td>
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<td><strong>Semester II (Spring)</strong></td>
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<tr>
<td>CET 1100 Fundamentals of Architectural Drawing W/Lab</td>
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<tr>
<td>CET 2012 Cost Estimating w/Lab</td>
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<tr>
<td>EET 2940 Alternative Energy Conversions</td>
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<tr>
<td>GEOL 1300 The Environment w/Lab</td>
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<td>IDT 1110 Materials and Finishes</td>
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<td><strong>Semester III (Fall)</strong></td>
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<tr>
<td>CET 2310 Mechanical Systems w/Lab</td>
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<tr>
<td>CET 2080 Fundamentals of Building Information Modeling</td>
<td>3</td>
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<tr>
<td>ENGT 2021 Project Scheduling W/Lab</td>
<td>3</td>
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<tr>
<td>HUM/FA¹ Humanities/Fine Arts Elective</td>
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<tr>
<td><strong>Semester IV (Spring)</strong></td>
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<tr>
<td>CET 2081 Advanced Building Information Modeling</td>
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<td>CET 2502 Sustainability in Application</td>
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<tr>
<td>ENGT 1200² Industrial Science</td>
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<tr>
<td>ENGT 2995 Engineering Technology Capstone</td>
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<tr>
<td>SBS¹ Social/Behavioral Sciences Elective</td>
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**Total Credit Hours Needed for Graduation:** 60

¹HUM/FA / MATH / SBS  See the list of General Education electives below.
²ENGT Students not transferring to a 4-year institution may complete ENGT 1200. Students transferring to a 4-year institution must complete PHYS 2010 to meet transfer requirements.
### 2014-2015 General Education Electives by Category

#### Communication
- ENGL 1010 - English Composition I ★
- ENGL 1020 - English Composition II ★
- SPCH 2100 - Public Speaking ★

#### History
- HIST 1010 - Western Civilization I ★
- HIST 1020 - Western Civilization II ★
- HIST 1110 - World Civilization I ★
- HIST 1120 - World Civilization II ★
- HIST 2010 - U.S. History I ★
- HIST 2020 - U.S. History II ★

#### Humanities/Fine Arts
- ARTH 2010 - Survey of Art History I ★
- ARTH 2020 - Survey of Art History II ★
- ENGL 2110 - Early American Literature ★
- ENGL 2120 - Modern American Literature ★
- ENGL 2210 - British Literature: 650-1784 ★
- ENGL 2220 - British Literature: 1785-Present ★
- ENGL 2310 - World Literature: 2500 BCE-1650 ★
- ENGL 2320 - World Literature: 1650-Present ★
- ENGL 2331 - African-American Literature ★
- ENGL 2510 - Introduction to Poetry ★
- ENGL 2520 - Introduction to Drama ★
- ENGL 2530 - Introduction to Fiction ★
- ENGL 2810 - Introduction to Film Studies ★
- ENGL 2810 will fulfill a humanities elective but not the literature elective.
- MUS 1030 - Music Appreciation ★
- PHIL 1030 - Introduction to Philosophy ★
- PHIL 1500 - Philosophy & Film ★
- PHIL 2010 - Survey of World Religions ★
- PHIL 2400 - Introduction to Ethics ★
- PHO 1200 - History of Photography ★
- THEA 1030 - Introduction to Theatre ★

#### Mathematics
- MATH 1010 - Survey of Mathematics ★
- MATH 1130 - College Algebra ★
- MATH 1530 - Elementary Probability & Statistics ★
- MATH 1630 - Finite Mathematics ★
- MATH 1710 - Precalculus Algebra ★
- MATH 1720 - Precalculus Trigonometry ★
- MATH 1730 - Precalculus ★
- MATH 1830 - Basic Calculus & Modeling ★
- MATH 1910 - Calculus I ★

#### Natural Sciences
- BIOL 1110 - General Biology I ★
- BIOL 1120 - General Biology II ★
- BIOL 1310 - Concepts of Biology ★
- BIOL 2010 - Human Anatomy & Physiology I ★
- BIOL 2020 - Human Anatomy & Physiology II ★
- BOT 1010 - Fundamentals of Botany I ★
- BOT 1020 - Fundamentals of Botany II ★
- CHEM 1010 - Principles of Chemistry ★
- CHEM 1020 - Basic Organic & Biochemistry ★
- CHEM 1110 - General Chemistry I ★
- CHEM 1120 - General Chemistry II ★
- CHEM 1310 - Concepts of Chemistry ★
- GEOL 1040 - Physical Geology ★
- GEOL 1050 - Historical Geology ★
- GEOL 1300 - The Environment W/Lab ★
- GEOL 1310 - Concepts of Earth Science ★
- PHYS 1300 - Concepts of Physics ★
- PHYS 2010 - Noncalculus Based Physics I ★
- PHYS 2020 - Noncalculus Based Physics II ★
- PHYS 2110 - Calculus Based Physics I ★
- PHYS 2120 - Calculus Based Physics II ★

#### Social/Behavioral Sciences
- ANT 1300 - Cultural Anthropology ★
- ECON 2010 - Macroeconomics ★
- ECON 2020 - Microeconomics ★
- GEOG 1000 - Introduction to Geography ★
- HIST 2040 - African-American Studies ★
- PHED 1100 - Concepts of Wellness ★
- POLS 1020 - Introduction to Political Science ★
- POLS 1030 - American Government ★
- PSYC 1030 - General Psychology ★
- PSYC 2100 - Psychology of Human Development ★
- PSYC 2130 - Lifespan Psychology ★
- SOCI 1010 - Introduction to Sociology ★
- SOCI 1020 - Social Problems ★
- WMN 2200 - Women in Society ★

★ This is a General Education course transferable within the Tennessee Board of Regents system.

★ This course is directly equivalent to a course at the University of Tennessee, Knoxville.