## Engineering Technology/Electrical Engineering Concentration

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>CREDIT HOURS</th>
<th>TERM COMPLETED</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I (Fall)</strong></td>
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<tr>
<td>EET 1001 Introduction to Electrical Engineering Technology</td>
<td>1</td>
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<tr>
<td>EET 1012 Electrical Circuits I W/Lab</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 Communication</td>
<td>3</td>
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<tr>
<td>HUM/FA¹ Humanities/Fine Arts Elective</td>
<td>3</td>
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<tr>
<td>MATH 1710 Precalculus Algebra</td>
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<tr>
<td><strong>Semester II (Spring)</strong></td>
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<tr>
<td>EET² Electrical Engineering Technology Elective</td>
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<tr>
<td>EET 1055 Industrial Electricity</td>
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<td>EET 1210 Active Devices I W/Lab</td>
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<td>EET 1310 Digital Fundamentals W/Lab</td>
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<tr>
<td>MATH 1720 Precalculus Trigonometry</td>
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<td><strong>Semester III (Fall)</strong></td>
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<tr>
<td>EET² Electrical Engineering Technology Elective</td>
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<tr>
<td>EET 2430 Robotics &amp; Automation</td>
<td>3</td>
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<tr>
<td>EET 2920 Programmable Controllers</td>
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<tr>
<td>ET³ Engineering Technology Guided Elective</td>
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<tr>
<td>PHYS 2010⁴ Noncalculus Based Physics I</td>
<td>4</td>
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<td><strong>Semester IV (Spring)</strong></td>
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<tr>
<td>EET² Electrical Engineering Technology Elective</td>
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<tr>
<td>EET 2235 Instrumentation Technology</td>
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<tr>
<td>EET 2925 Advanced PLCs</td>
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<td>ENGT 2995 Engineering Technology Capstone</td>
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<tr>
<td>SBS¹ Social/Behavioral Sciences Elective</td>
<td>3</td>
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<tr>
<td><strong>Total Credit Hours Needed for Graduation:</strong></td>
<td>60</td>
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¹HUM/FA /SBS
See the list of General Education electives below.

²EET
Electives to be chosen from CHEM 1110; EET 1410, EET 1715, EET 2655, EET 2900, EET 2910, EET 2940; MATH 1910; PHYS 2020 (a minimum of 3 credit hours must be EET electives) or as approved by an EET advisor.

³ET
Elective to be chosen from CET 1100 or MET 1100. Students should see their advisor to determine course selection.

⁴PHYS 2010
Students not transferring to a 4-year institution should take ENGT 1200. Students transferring to a 4-year institution must take PHYS 2010 to meet transfer requirements.
2015-2016 General Education Electives for A.A.S. Degrees

Communication

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

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
- GEOG 1000 - 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.