# Engineering Technology/Electrical Engineering 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>EET(^1) Electrical Engineering Technology Elective</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>
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<tr>
<td>ENGL 1010 English Composition I</td>
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<tr>
<td>ENGT 1010 Engineering Technology Technical Communication</td>
<td>3</td>
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<tr>
<td>MATH 1710 Precalculus Algebra</td>
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<td><strong>Semester II (Spring)</strong></td>
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<tr>
<td>EET(^1) Electrical Engineering Technology Elective</td>
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<tr>
<td>EET 1055 Industrial Electricity</td>
<td>3</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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<td>EET(^1) Electrical Engineering Technology Elective</td>
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<td>EET(^2) Electrical Engineering Technology Elective</td>
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<td>EET 2235 Instrumentation Technology</td>
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<td>EET 2430 Robotics &amp; Automation</td>
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<tr>
<td>PHYS 2010(^3) Noncalculus Based Physics I</td>
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<td><strong>Semester IV (Spring)</strong></td>
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<tr>
<td>EET(^1) Electrical Engineering Technology Elective</td>
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<tr>
<td>EET 2920 Programmable Controllers</td>
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<td>ENGT 2995 Engineering Technology Capstone</td>
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<tr>
<td>HUM/FA(^4) Humanities/Fine Arts Elective</td>
<td>3</td>
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<tr>
<td>SBS(^4) Social/Behavioral Sciences Elective</td>
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<td><strong>Total Credit Hours Needed for Graduation:</strong></td>
<td><strong>60</strong></td>
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\(^1\)EET
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 5 credit hours must be EET electives) or as approved by an EET advisor.

\(^2\)EET
Elective to be chosen from CET 1100, ENGT 2021, MET 1100.

\(^3\)PHYS 2010
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.

\(^4\)HUM/FA /SBS
See the list of General Education electives below.
# 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 2820 - 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.