# Engineering Technology/Mechanical Engineering Concentration

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>CREDIT HOUR</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>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>MATH 1710 Precalculus Algebra</td>
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<tr>
<td>MET 1022 Shop Practices W/Lab</td>
<td>3</td>
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<tr>
<td>MET 1100 Fundamentals of Mechanical Drawing W/Lab</td>
<td>3</td>
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<td><strong>Semester II (Spring)</strong></td>
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<tr>
<td>EET 1012 Electrical Circuits I W/Lab</td>
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<td>MATH 1720 Precalculus Trigonometry</td>
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<tr>
<td>MET 1012 Materials &amp; Manufacturing Processes</td>
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<td>MET 1040 Applied Statics</td>
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<tr>
<td>MET 2022 Fluid Mechanics &amp; Power Applications W/Lab</td>
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<td><strong>Semester III (Fall)</strong></td>
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<tr>
<td>ENGT 2021 Project Scheduling W/Lab</td>
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<tr>
<td>MET 1050 Strength of Materials</td>
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<tr>
<td>MET 2310 Geometrics &amp; Coordinate Measuring</td>
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<tr>
<td>PHYS 2010 Noncalculus Based Physics I</td>
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<td><strong>Semester IV (Spring)</strong></td>
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<tr>
<td>ET* Engineering Technology Elective</td>
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<tr>
<td>ENGT 2995 Engineering Technology Capstone</td>
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<tr>
<td>HUM/FA* Humanities/Fine Arts Elective</td>
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<tr>
<td>MET 2026 Applied Mechanics W/Lab</td>
<td>3</td>
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<td>SBS* Social/Behavioral Sciences Elective</td>
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<tr>
<td><strong>Total Credit Hours Needed for Degree:</strong></td>
<td><strong>60</strong></td>
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*ET* Elective to be chosen from EET 2920, EET 2940; ENS 1510, ENS 1520, ENS 2021, ENS 2310; MET 1060, MET 2610, MET 2700, MET 2720.

*HUM/FA/SBS* See the list of General Education electives below.
2013-2014 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 ★ ★
- HUM 2810 - Introduction to Film Studies ★ ★
- 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 ★ ★
- 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 2100 - Noncalculus Based Physics I ★ ★
- PHYS 2120 - 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.