## 2020-2021 Pellissippi State Community College
### Electrical Engineering Technology, A.A.S.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
<th>Prerequisite (Corequisite)</th>
<th>Term Offered</th>
<th>Available Online</th>
<th>Grade / Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I (Fall)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLL 1000 First Year Seminar</td>
<td>1</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 1300 Introduction to Electrical Engineering Technology</td>
<td>3</td>
<td></td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 1313 DC Circuits</td>
<td>3</td>
<td>(MATH 1050 or consent of program coordinator)</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1010 English Composition I</td>
<td>3</td>
<td>Satisfactory test scores or completion of corequisite requirements</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENST 1313 CAD for Electronics</td>
<td>3</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1050¹ Trigonometric Applications</td>
<td>3</td>
<td>HS algebra I and II and ACT math and reading scores of at least 19 or equivalent math and reading placement scores (MATH 0050 if required)</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester II (Spring)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 1314 AC Circuits</td>
<td>3</td>
<td>EETC 1313</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 1321 Electronics I</td>
<td>3</td>
<td>EETC 1313</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 1331 Digital Fundamentals</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENST 1352² Industrial Science</td>
<td>3</td>
<td>MATH 1010 or MATH 1050 or MATH 1130 or MATH 1530 or MATH 1630 or MATH 1710 or MATH 1720 or MATH 1730 or MATH 1830 or MATH 1910</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUM/FA³ Humanities/Fine Arts Elective</td>
<td>3</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester III (Fall)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 2025 Fundamentals of Communication or COMM 2045 Public Speaking</td>
<td>3</td>
<td>(ENGL 1010)</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2311 Power Technology</td>
<td>3</td>
<td>EETC 1314</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2331 PLC I</td>
<td>3</td>
<td>EETC 1313 and EETC 1331 or EETC 1350 or consent of program coordinator</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2350 Integrated Robotics</td>
<td>3</td>
<td></td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBS³ Social/Behavioral Sciences Elective</td>
<td>3</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester IV (Spring)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2332 PLC II</td>
<td>3</td>
<td>EETC 2331 or consent of instructor</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2351 Data Acquisition &amp; Control</td>
<td>3</td>
<td>EETC 1313 and EETC 1314 or consent of program coordinator</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2361 Instrumentation Technology</td>
<td>3</td>
<td>EETC 1313 and EETC 1314 or EETC 1350</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EETC 2390 Capstone</td>
<td>3</td>
<td>Must be taken in the final semester or with consent of program coordinator</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENST 2361 Fluid Power Systems</td>
<td>3</td>
<td></td>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours Needed for Graduation: 60-61**

¹MATH 1050
Students not transferring to a 4-year institution may take MATH 1050. Students transferring to a 4-year institution must take both MATH 1710 and MATH 1720 or MATH 1730 to meet transfer requirements.

²ENST 1352
Students not transferring to a 4-year institution may take ENST 1352. Students transferring to a 4-year institution must take PHYS 2010 to meet transfer requirements.

³HUM/FA/SBS
See the list of General Education electives below.
### 2020-2021 General Education Electives by Category

**Online availability:** This course is offered online as well as on-ground. Check semester course listings.

*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.

#### Communication
- COMM 2025 - Fundamentals of Communication ♦
- COMM 2045 - Public Speaking ■ ♦ ★
- ENGL 1010 - English Composition I ■ ♦ ★
- ENGL 1020 - English Composition II ■ ♦ ★

#### Humanities/Fine Arts
- ART 2010 - Art History Survey I ■ ♦ ★
- ART 2020 - Art History Survey II ■ ♦ ★
- ENGL 2035 - Introduction to Fiction ♦ ★
- ENGL 2055 - African-American Literature ♦ ★
- ENGL 2110 - Early American Literature ■ ♦ ★
- ENGL 2120 - Modern American Literature ■ ♦ ★
- ENGL 2150 - Appalachian Literature ♦
- ENGL 2210 - Early British Literature ■ ♦ ★
- ENGL 2220 - Modern British Literature ■ ♦ ★
- ENGL 2310 - Early World Literature ♦ ★
- ENGL 2320 - Modern World Literature ♦ ★
- ENGL 2430 - Topics in European Literature ♦
- ENGL 2510 - Introduction to Poetry ♦ ★
- ENGL 2520 - Introduction to Drama ♦ ★
- ENGL 2860 - Introduction to Film ♦ ★
  *(ENGL 2860 will not fulfill a literature elective.)*
- MUS 1030 - Music Appreciation ■ ♦ ★
- MUS 1035 - History of Jazz ♦
- PHIL 1030 - Introduction to Philosophy ■ ♦ ★
- PHIL 1040 - Introduction to Ethics ♦ ★
- PHIL 1300 - Critical Thinking ♦ ★
- PHIL 1500 - Philosophy & Film ♦
- PHIL 2200 - Introduction to World Religions ■ ♦ ★
- PHO 1200 - History of Photography ■
- THEA 1030 - Introduction to Theatre ♦ ★

#### Mathematics
- MATH 1010 - Math for General Studies ■ ♦ ★
- MATH 1050 - Trigonometric Applications ♦
- MATH 1130 - College Algebra ■ ♦ ★
- MATH 1530 - Introductory Statistics ■ ♦ ★
- MATH 1630 - Finite Mathematics ■ ♦ ★
- MATH 1710 - Precalculus Algebra ■ ♦ ★
- MATH 1720 - Precalculus Trigonometry ■ ♦ ★
- MATH 1730 - Precalculus ◆ ★
- MATH 1830 - Applied Calculus ■ ♦ ★
- MATH 1910 - Calculus I ◆ ★
- MATH 1920 - Calculus II ◆ ★
- MATH 2050 - Calculus III ◆ ★
- MATH 2470 - Linear Algebra ◆ ★
- MATH 2500 - Ordinary Differential Equations ◆ ★
- MATH 2520 - Advanced Calculus ◆ ★
- MATH 2670 - Advanced Topics in Differential Equations ◆ ★

#### Natural Sciences
- BIOL 1110 - General Biology I ■ ♦ ★
- BIOL 1120 - General Biology II ■ ♦ ★
- BIOL 2100 - Human Anatomy & Physiology I ◆ ★
- BIOL 2120 - Human Anatomy & Physiology II ◆ ★
- BIOL 2310 - General Botany I ◆ ★
- BIOL 2320 - General Botany II ◆ ★
- CHEM 1010 - Introductory Chemistry I ◆ ★
- CHEM 1020 - Introductory Chemistry II ◆ ★
- CHEM 1050 - Concepts of Chemistry ♦
- CHEM 1110 - General Chemistry I ◆ ★
- CHEM 1120 - General Chemistry II ◆ ★
- GEOL 1040 - Physical Geology ♦ ★
- GEOL 1050 - Historical Geology ♦ ★
- GEOL 1300 - Environmental Science W/Lab ♦ ★
- PHYS 1070 - Concepts of Physics ♦
- PHYS 2010 - Non-Calculus Physics I ■ ♦ ★
- PHYS 2020 - Non-Calculus Physics II ■ ♦ ★
- PHYS 2110 - Calculus Based Physics I ◆ ★
- PHYS 2120 - Calculus Based Physics II ◆ ★

#### Social/Behavioral Sciences
- AAST 2200 - African-American Studies ◆ ★
- ANTH 1230 - Introduction to Cultural Anthropology ■ ★
- ECON 2100 - Principles of Macroeconomics ■ ♦ ★
- ECON 2200 - Principles of Microeconomics ■ ♦ ★
- GEOG 1000 - Introduction to Geography ♦
- PHED 1100 - Concepts of Wellness ■
- POLS 1010 - Introduction to Political Science ■ ♦ ★
- POLS 1030 - American Government ■ ♦ ★
- PSYC 1030 - Introduction to Psychology ■ ♦ ★
- PSYC 2100 - Psychology of Human Development ■ ★
- PSYC 2120 - Social Psychology ■
- PSYC 2130 - Lifespan Psychology ■ ♦ ★
- PSYC 2210 - Biological Basis of Behavior ■ ★
- SOCI 1010 - Introduction to Sociology ■ ♦ ★
- SOCI 1040 - Social Problems ■ ★
- WGST 2050 - Introduction to Women/Gender Studies ♦ ★

Revised: April 1, 2020 for AAS Checklists