

**2021-2022 Pellissippi State Community College
Electrical Engineering Technology, A.A.S.**

Required Courses	Credit Hours	Prerequisite (Corequisite)	Term Offered	Available Online	Grade / Term Completed
Semester I (Fall)					
COLL 1000 First Year Seminar	1			Yes	
EETC 1300 Introduction to Electrical Engineering Technology	3			No	
EETC 1313 DC Circuits	3	(MATH 1050 or consent of program coordinator)		No	
ENGL 1010 English Composition I	3	Satisfactory test scores or completion of corequisite requirements		Yes	
ENST 1313 CAD for Electronics	3			Yes	
MATH 1050 ¹ Trigonometric Applications	3	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)		Yes	
Semester II (Spring)					
EETC 1314 AC Circuits	3	EETC 1313		No	
EETC 1321 Electronics I	3	EETC 1313		No	
EETC 1331 Digital Fundamentals	3				
ENST 1352 ² Industrial Science	3	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		No	
HUM/FA ³ Humanities/Fine Arts Elective	3			Yes	
Semester III (Fall)					
COMM 2025 Fundamentals of Communication or COMM 2045 Public Speaking	3	(ENGL 1010)		Yes	
EETC 2311 Power Technology	3	EETC 1314		No	
EETC 2331 PLC I	3	EETC 1313 and EETC 1331 or EETC 1350 or consent of program coordinator		No	
EETC 2350 Integrated Robotics	3			No	
EETC 2351 Data Acquisition & Control	3	EETC 1313 and EETC 1314 or consent of program coordinator		No	
Semester IV (Spring)					
EETC 2332 PLC II	3	EETC 2331 or consent of instructor		No	
EETC 2361 Instrumentation Technology	3	EETC 1313 and EETC 1314 or EETC 1350		No	
EETC 2390 Capstone	3	Must be taken in the final semester or with consent of program coordinator		No	
ENST 2361 Fluid Power Systems	3			No	
SBS ³ Social/Behavioral Sciences Elective	3			Yes	

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.

2021-2022 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 fulfill a humanities elective but 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 ◆ ★

Natural Sciences

- BIOL 1010 - Introduction to Biology ■ ◆ ★
- BIOL 1020 - Diversity of Life ■ ◆ ★
- BIOL 1110 - General Biology I ■ ◆ ★
- BIOL 1120 - General Biology II ■ ◆ ★
- BIOL 2010 - Human Anatomy & Physiology I ◆ ★
- BIOL 2020 - 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 1110 - General Chemistry I ◆ ★
- CHEM 1120 - General Chemistry II ◆ ★
- GEOL 1040 - Physical Geology ◆ ★
- GEOL 1050 - Historical Geology ◆ ★
- GEOL 1300 - Environmental Science W/Lab ◆ ★
- PHYS 2010 - Non-Calculus Physics I ■ ◆ ★
- PHYS 2020 - Non-Calculus Physics II ■ ◆ ★
- PHYS 2110 - Calculus Based Physics I ◆ ★
- PHYS 2120 - Calculus Based Physics II ◆ ★

(Credit toward graduation cannot be received for both courses in either of the following pairs: BIOL 1010 and BIOL 1110; BIOL 1020 and BIOL 1120.)

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 ◆ ★