

# Career-Technical Education Technical Certificate Degree Plan

## ELECTRICAL TECH. PROGRAM CHECK SHEET | ELT2 Major | CIP Code: 46.0302

The Electrical program of study prepares individuals to install, operate, maintain, and repair electrically-energized systems such as residential, commercial, industrial electric wiring, DC and AC motors, controls, and electrical distribution panels. Instruction in the use of test equipment is included.

### Admission Requirements

Students must submit a composite score of 15 or higher on the ACT. Students who do not have an ACT score, must score at the 9<sup>th</sup> grade level or higher on the TABE, Form 9/10 or have permission of instructor to be admitted to the program. Students who are returning to the program after an absence of a semester or more must graduate under the current catalog requirements.

REQUIRED COURSES:	Prev. Taken	FALL 20__	SPRING 20__	FALL 20__	SPRING 20__
<b>FIRST SEMESTER FRESHMAN</b>					
ELT 1113 Residential Wiring	3 hrs.				
ELT 1143 AC/DC Circuits	3 hrs.				
ELT 1192 Fundamentals of Electricity	2 hrs.				
ELT 1213 Electrical Power	3 hrs.				
ELT 1253 Branch Circuits	3 hrs.				
ELT 1263 Electrical Drawings & Schematics	3 hrs.				
<b>SECOND SEMESTER FRESHMAN</b>					
ELT 1123 Commercial & Industrial Wiring	3 hrs.				
ELT 1223 Motor Maint/Troubleshooting	3 hrs.				
ELT 1413 Motor Control System	3 hrs.				
ELT 1273 Switching Circuits	3 hrs.				
ELT 1133 Intro to the NEC	3 hrs.				
<b>FIRST SEMESTER SOPHOMORE</b>					
ELT 1614 Prin. of Hydraulics & Pneumatics	4 hrs.				
ELT 2113 Equipment Maint/Troubleshooting	3 hrs.				
<b>SECOND SEMESTER SOPHOMORE</b>					
ELT 2424 Solid State Motor Control	4 hrs.				
ELT 2613 Programmable Logic Control	3 hrs.				
ELT 1163 Drafting for Electrical Technology	3 hrs.				
<b>RECOMMENDED ELECTIVES (WITH INSTRUCTOR PERMISSION):</b>					
ELT 292(1-6) Supervised Work I	1-6 hrs.				
ELT 294(1-6) Supervised Work II	1-6 hrs.				
ELT 291(1-3) Special Projects I	1-3 hrs.				
ELT 293(1-3) Special Projects II	1-3 hrs.				
<b>TOTAL HOURS:</b>	<b>49 HRS.</b>				
<b>NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.</b>	<b>Total Hours</b> <b>49</b>				
	<b>Advisor Initials</b>				
	<b>Date</b>				