

# Career-Technical Education Associate of Applied Science Degree Plan

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

### Moorhead Campus

Electrical Technology is a program of study that 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:** A minimum ACT score of 15 is required or applicants must score at the 9<sup>th</sup> grade level on the TABE Form 9/10 to be admitted to the program. Exceptions may be made with instructor permission for students who do not meet entrance requirements provided the student meets the requirements by the end of the second semester or has a 2.0 grade point average.

Rev. 2026

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 Maintenance/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 Maintenance/Troubleshooting, and Repair	3 hrs.				
Math/Natural Science Elective (MAT, BIO, CHE, or PHY)	3 hrs.				
ENG 1113 Composition I <b>OR</b> ENG 1033 Technical English	3 hrs.				
<b>SECOND SEMESTER SOPHOMORE</b>					
ELT 2424 Solid State Motor Control	4 hrs.				
ELT 2613 Programmable Logic Controllers	3 hrs.				
ELT 1163 Drafting for Electrical Technology	3 hrs.				
Social/Behavioral Science Elective (SOC 2113 or PSY 1513)	3 hrs.				
SPT/COM 1113 Public Speaking	3 hrs.				
Humanities/Fine Arts Elective (HIS, ENG Literature, ART 1113, or MUS 1113)	3 hrs.				
<b>RECOMMENDED ELECTIVES:</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>64HRS.</b>				
<b>NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.</b>	<b>Total Hours 64</b>				
	<b>Advisor Initials</b>				
	<b>Date</b>				