

Electrical Wiring Technology Certificate Curriculum Map

This curriculum map is designed to show how program learning outcomes are introduced, developed, and mastered across courses in the program. Use the following guidance when completing or reviewing the map:

Introduced: Indicates the course provides students with their first exposure to a concept or skill. At this stage, students are expected to demonstrate only a basic understanding.

Developed: Indicates that students gain more in-depth knowledge, practice, and reinforcement of the concept or skill. Students are expected to begin applying what they have learned with increasing independence.

Mastered: Indicates that students can independently and skillfully apply the outcome, demonstrating a high level of understanding and competence appropriate for graduation and entry into the workforce or a 4-year institution.

Courses are listed in rows and PLOs are in columns	Identifying the role of OSHA in job-site safety	Recognizing and demonstrating the proper use of basic hand and power tools and applying basic geometry to measurements	Identifying and understanding construction drawing terms, components, and symbols.	Describing and demonstrating the proper use of slings and rigging hardware, and communicating effectively.	Developing critical communication, thinking, and problem-solving skills.	Demonstrates understanding of entry-level job skills as an electrical apprentice in residential and commercial wiring fields
EWRG100 Fundamentals of AC/DC Electricity	Mastered	Introduced	Introduced	Mastered	Introduced	Introduced
EWRG102 Residential Electricity	Developed	Mastered	Developed	Developed	Developed	Developed
EWRG105 Photovoltaics Design	Developed	Developed	Developed	Developed	Developed	Developed
EWRG117 Wiring Special Circuits	Developed	Developed	Developed	Developed	Developed	Developed
EWRG200 Commercial Electricity	Developed	Developed	Developed	Developed	Developed	Mastered
EWRG201 AC/DC Motor Control	Developed	Developed	Developed	Developed	Developed	Mastered
CNST1110 General Carpentry or Building Trades I	Developed	Developed	Developed	Developed	Mastered	Mastered
CNST 1120 Construction Drawings	Developed	Developed	Mastered	Developed	Developed	Mastered
Elective: EWRG107 Photovoltaics Maintenance and Operations	Developed	Developed	Developed	Developed	Developed	Mastered
Elective: ELEC102 Electronic Circuits/AC	Developed	Developed	Developed	Developed	Developed	Developed
Elective: ELEC179 Soldering Fabrication and Repair	Developed	Developed	Developed	Developed	Developed	Developed
Elective: CSNT1170 Construction Methods I	Developed	Mastered	Developed	Developed	Developed	Developed