

Electrical and Control Technology CA, Certificate of Proficiency

Requirements

The Certificate of Proficiency in Electrical and Control Technology CA prepares technicians and technologists to troubleshoot, wire, repair, adapt, install, and maintain electrical and industrial motor control equipment found in many local industries. Knowledge and experience are gained through theory and engaging "hands on" labs that prepare graduates to work safely around industrial and commercial electrical equipment. Electrical DC and AC theory, transformers, circuits, wiring, motors, motor controls, relay logic, logic gates, and the National Electrical Code for commercial and industrial systems is emphasized. Skills are developed in troubleshooting, testing, and analyzing electrical circuits. This is the first employable step in the exciting career path of working with electrically automated equipment.

Total Program Credits: 22

Discipline Core Requirements:		22 Credits
EART 1050	DC Electrical Math	2
EART 1060	AC Electrical Math	2
EART 1130	Applied Electrical Theory	4
EART 1180	Applied Electrical Lab	4
EART 1250	Industrial Electrical Code	2
EART 1280	Electric Motor Control	4
EART 1285	Electric Motor Control Lab	4

Graduation Requirements:

1. Completion of a minimum of 22 semester credits.
2. Overall grade point average of 2.0 (C) or above, with no core course below a 'C-'.
3. All courses must be completed at UVU.

Electrical and Control Technology CA, Certificate of Proficiency

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
EART 1050	DC Electrical Math (first block)	2
<i>EART 1060</i>	AC Electrical Math (second block)	2
<i>EART 1130</i>	Applied Electrical Theory	4
<i>EART 1180</i>	Applied Electrical Lab	4
	Semester total:	12
Semester 2	Course Title	Credit Hours
EART 1250	Industrial Electrical Code	2
EART 1280	Electric Motor Control	4
EART 1285	Electric Motor Control Lab	4
	Semester total:	10
	Degree total:	22