

Electrical Automation and Robotics Technology, A.S.

Requirements

The EART program prepares Electrical Automation Technicians to troubleshoot, wire, repair, adapt, maintain, program (PLC's & PAC's), and control large automated electrical systems found in Industrial and Manufacturing Industries worldwide. The EART Technician will work with DC & AC motor controlled machines; Programmable Logic Controlled (PLC's) and Programmable Automation Controlled (PAC's) machines, systems, and devices; Hydraulic and pneumatic controlled machines; conveyor, fluid, and bulk storage systems; flex, soft start, and variable frequency drives; Robots; servo, and stepper motors. Because of their highly skilled hands on training the EART student is in high demand from many industries.

Total Program Credits: 63

General Education Requirements:		35 Credits	
	ENGL 1010	Introduction to Writing	3
	ENGL 2010	Intermediate Writing--Humanities/Social Sciences	3
or	ENGL 2020	Intermediate Writing--Science and Technology (3.0)	
Complete one of the following:		3	
	MAT 1030	Quantitative Reasoning (3.0)	
	MATH 1040	Introduction to Statistics (3.0)	
	MATH 1050	College Algebra (4.0)	
	MATH 1090	College Algebra for Business (3.0)	
Complete one of the following:		3	
	HIST 2700	US History to 1877 (3.0)	
and	HIST 2710	US History since 1877 (3.0)	
	HIST 1700	American Civilization (3.0)	
	HIST 1740	US Economic History (3.0)	
	POLS 1000	American Heritage (3.0)	
	POLS 1100	American National Government (3.0)	
Complete the following:			
	PHIL 2050	Ethics and Values	3
	HLTH 1100	Personal Health and Wellness	2
or	PES 1097	Fitness for Life (2.0)	
Distribution Courses:			
	Biology		3
	Physical Science		3
	Additional Biology or Physical Science		3
	Humanities Distribution		3
	Fine Arts Distribution		3
	Social/Behavioral Science		3
Discipline Core Requirements:		16 Credits	
	Choose from EART or related courses (1000 level or higher)		16
Elective Requirements:		12 Credits	
	Electives (1000 level or higher)		12

Graduation Requirements:

1. Completion of a minimum of 63 semester credits.

2. Overall grade point average of 2.0 (C) or above (Department may require a higher GPA.)
3. Residency hours-- minimum of 20 credit hours through course attendance at UVU.
4. Completion of GE and specified departmental requirements.

Electrical Automation and Robotics Technology, A.S. 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
<i>ENGL 1010</i>	Intro to Writing	3
MAT 1030 or MATH 1040 or MATH 1050 or MATH 1090	Quantitative Reasoning or Statistics or Algebra or College Algebra for Business	3
HIST or POLS	Any approved US History class	3
BB	Any approved Biology	3
EART	Any EART or related course (1000 level or higher)	5
	Semester total:	17
Semester 2	Course Title	Credit Hours
ENGL 2010 or ENGL 2020	Intermediate Writing Humanities or Science	3
PP	Any approved Physical Science	3
HH	Any approved Humanities	3
Elective	Any Electives (1000 level or higher)	3
EART	Any EART or related course (1000 level or higher)	5
	Semester total:	17
Semester 3	Course Title	Credit Hours
PHIL 2050	Ethics and Values	3
SS/BEH	Any approved Social/Behavioral Science	3
EART	Any EART or related course (1000 level or higher)	6
Elective	Any Electives (1000 level or higher)	3
	Semester total:	15
Semester 4	Course Title	Credit Hours
3rd Science	Additional Biology or Physical Science	3
FF	Any approved Fine Arts	3
Elective	Any Electives (1000 level or higher)	3
Elective	Any Electives (1000 level or higher)	3
PES 1097 or HLTH 1100	Fitness for Life or Personal Health and Wellness	2
	Semester total:	14
	Degree total:	63