

Automation and Electrical Technology, A.S.

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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: 60

General Education Requirements:		35 Credits
	ENGL 1010 Introduction to Academic Writing CC	3
or	ENGL 1010 Introduction to Academic Writing CC	3
	ENGL 1005 Literacies and Composition Across Context CC (5.0)	
	ENGL 2010 Intermediate Academic Writing CC	3
Complete one of the following:		3
	MAT 1030 Quantitative Reasoning QL (3.0)	
	MAT 1035 Quantitative Reasoning with Integrated Algebra QL (6.0)	
	STAT 1040 Introduction to Statistics QL (3.0)	
	STAT 1045 Introduction to Statistics with Algebra QL (5.0)	
	MATH 1050 College Algebra QL (4.0)	
	MATH 1055 College Algebra with Preliminaries QL (5.0)	
	MATH 1090 College Algebra for Business QL (3.0)	
Complete one of the following:		3
	HIST 2700 US History to 1877 AS (3.0)	
and	HIST 2710 US History since 1877 AS (3.0)	
	HIST 1700 American Civilization AS (3.0)	
	HIST 1740 US Economic History AS (3.0)	
	POLS 1000 American Heritage SS (3.0)	
	POLS 1100 American National Government AS (3.0)	
Complete the following:		
	PHIL 2050 Ethics and Values IH	3
	HLTH 1100 Personal Health and Wellness TE	2
or	EXSC 1097 Fitness for Life TE (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 AET or related courses (1000 level or higher)	16
Elective Requirements:	9 Credits
Electives (1000 level or higher)	9

Graduation Requirements:

1. Completion of a minimum of 60 semester credits.
2. Overall grade point average of 2.0 (C) or above with no core course below a C-.
3. Residency hours-- minimum of 20 credit hours through course attendance at UVU.
4. Completion of GE and specified departmental requirements.

Automation and Electrical Technology, A.S.

Automation and Electrical 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](#).

Semester 1	Course Title	Credit Hours
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Context CC	3
MAT 1030 or STAT 1040 or MATH 1050 or 1090	Quantitative Reasoning QL or Introduction to Statistics QL or College Algebra QL or College Algebra for Business QL	3
HIST or POLS		3
Biology		3
EART		5
Semester total:		17
Semester 2	Course Title	Credit Hours
ENGL 2010	Intermediate Academic Writing CC	3
Physical Science		3
Humanities		3
EART		5
Semester total:		14
Semester 3	Course Title	Credit Hours
PHIL 2050	Ethics and Values IH	3
Social/Behavioral Science		3
EART		6
Elective		3
Semester total:		15
Semester 4	Course Title	Credit Hours
3rd Science		3
Fine Arts		3
Elective		3
Elective		3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
Semester total:		14
Degree total:		60