

## 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
	<a href="#">ENGL 1010</a> Introduction to Academic Writing	3
or	<a href="#">ENGL 1005</a> Literacies and Composition Across Context (5.0)	
	<a href="#">ENGL 2010</a> Intermediate Writing Academic Writing and Research	3
Complete one of the following:		3
	<a href="#">MAT 1030</a> Quantitative Reasoning (3.0)	
	<a href="#">MAT 1035</a> Quantitative Reasoning with Integrated Algebra (6.0)	
	<a href="#">STAT 1040</a> Introduction to Statistics (3.0)	
	<a href="#">STAT 1045</a> Introduction to Statistics with Algebra (5.0)	
	<a href="#">MATH 1050</a> College Algebra (4.0)	
	<a href="#">MATH 1055</a> College Algebra with Preliminaries (5.0)	
	<a href="#">MATH 1090</a> College Algebra for Business (3.0)	
Complete one of the following:		3
	<a href="#">HIST 2700</a> US History to 1877 (3.0)	
and	<a href="#">HIST 2710</a> US History since 1877 (3.0)	
	<a href="#">HIST 1700</a> American Civilization (3.0)	
	<a href="#">HIST 1740</a> US Economic History (3.0)	
	<a href="#">POLS 1000</a> American Heritage (3.0)	
	<a href="#">POLS 1100</a> American National Government (3.0)	
Complete the following:		
	<a href="#">PHIL 2050</a> Ethics and Values	3
	<a href="#">HLTH 1100</a> Personal Health and Wellness	2
or	<a href="#">EXSC 1097</a> 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 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](#).

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 or ENGH 1005</i>	Introduction to Academic Writing or Literacies and Composition Across Context (5.0)	3
MAT 1030 or STAT 1040 or MATH 1050 or MATH 1090	Quantitative Reasoning or Introduction to Statistics or College Algebra or College Algebra for Business	3
HIST or POLS	Any approved US History class	3
BB	Any approved Biology	3
EART	Any AET or related course (1000 level or higher)	5
	Semester total:	17
Semester 2	Course Title	Credit Hours
ENGL 2010	Intermediate Writing/Academic Writing and Research	3
PP	Any approved Physical Science	3
HH	Any approved Humanities	3
EART	Any AET or related course (1000 level or higher)	5
	Semester total:	14
Semester 3	Course Title	Credit Hours
PHIL 2050	Ethics and Values	3
SS/BEH	Any approved Social/Behavioral Science	3
EART	Any AET 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
EXSC 1097 or HLTH 1100	Fitness for Life or Personal Health and Wellness	2
	Semester total:	14
	Degree total:	60