

# Electrical and Instrumentation Technology (AAS-EIT)

Degree Type

A.A.S.

Degree Plan

AAS EIT Electrical and Instrumentation

## Program Locations: The Academy at Fairhope Airport and Thomasville Campus

Career-Technical Division

Length: Four Semesters

The Electrical and Instrumentation Technology program is designed to help students exit the program with hands-on skills and knowledge recognized by industry partners as the key competencies to succeed in the field of instrumentation technology.

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of Alabama Transfers state transfer and articulation reporting system.

### Semester One

Item #	Title	Credits
CIS 146	Computer Applications	3
ENG 101	English Composition I	3
IET 114	Basic Electricity	3
ILT 108	Introduction to Instruments and Process Control	3
INT 117	Principles of Industrial Mechanics	3
	WKO 107 or ORI 101	1
	Sub-Total Credits	16

### Semester Two

Item #	Title	Credits
ELT 131	Wiring I Commercial and Industrial	3
ELT 231	Introduction to Programmable Controllers	3
IET 122	Rotating Machinery and Controls	3
IET 131	Fluid Power Systems	3
WKO 110	NCCER Core	3
	Sub-Total Credits	15

### Semester Three

Item #	Title	Credits
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ELT 212	Motor Controls II	3
ELT 232	Advanced Programmable Controllers	3
ILT 114	Instrumentation Operation and Calibration	3
	MTH 116 or MTH 100	3
	History, Social Science, or Behavioral Science Elective	3
	<b>Sub-Total Credits</b>	<b>15</b>

## Complete Graduation Application

Complete the graduation application and begin the process of a review of your degree plan before your final semester.

## Semester Four

Item #	Title	Credits
ILT 166	Motors and Transformers I	3
ILT 214	Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes	3
	Electrical and Instrumentation AAS Electives	3
	Electrical and Instrumentation AAS Electives	3
	Humanities and Fine Arts Elective (T)	3
	<b>Sub-Total Credits</b>	<b>15</b>
	<b>Total Credits</b>	<b>61</b>