

# Electrical and Instrumentation Technology, A.A.S.

## Program Locations: The Academy at Fairhope Airport, Atmore, and Thomasville Campuses

### 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 STARS.

**Program:** Electrical and Instrumentation Technology

**Type:** A.A.S.

## Semester One

Item #	Title	Credits
IET 114	Basic Electricity	3
INT 117	Principles of Industrial Mechanics	3
ENG 101	English Composition I	3
ILT 108	Introduction to Instruments and Process Control	3
CIS 146	Microcomputer Applications	3

## Semester Two

Item #	Title	Credits
IET 131	Fluid Power Systems	3
IET 122	Rotating Machinery and Controls	3
ELT 231	Introduction to Programmable Controllers	3
WKO 110	NCCER Core	3
	ACR, ELT, IET, ILT, INT, or WKO Elective	3
	SPH 106 or SPH 107	3

## Semester Three

Item #	Title	Credits
ELT 212	Motor Controls II	3
MTH 116	Mathematical Applications	3
ELT 232	Advanced Programmable Controllers	3
ILT 114	Instrumentation Operation and Calibration	3
	History, Social Science, or Behavioral Science Elective	3
	MTH, SCI, CIS 130 or CIS 147	3-4

## Semester Four

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ILT 166	Motors and Transformers I	3
ILT 214	Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes	3
	ACR, ELT, IET, ILT, INT, or WKO Elective	3
	ACR, ELT, IET, ILT, INT, or WKO Elective	3
	IET Humanities Elective (3 SH)	3
WKO 107	Workplace Skills Preparation	1
	<b>Total credits:</b>	<b>67-68</b>