

# Industrial Systems Technology: Electrical Option

## Associate in Applied Science

Available: Shoals Campus

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This degree is designed to offer students entry-level skills in the field of Industrial Systems Technology with a total focus on electrical systems. A student who graduates from the program should be able to install and maintain all types of plant electrical systems.

**Entering students are required to complete ORI 107. Transfer students are exempt from this requirement.**

**Program:** Industrial Maintenance Technology

### Area I: Written Composition

Item #	Title	Credits
	Technical English or Higher	3

### Area II: Humanities and Fine Arts

**Preferred ART 100 or MUS 101.** \*Note SPH107 or foreign language may NOT be the one course designated to fulfill the SACSCOC Core Requirement for Humanities and Fine Arts.

Please choose one of the following:

Item #	Title	Credits
	Humanities and Fine Arts Elective	3

### Area III: Natural Sciences and Mathematics

Item #	Title	Credits
MTH 100	Intermediate College Algebra	3
PHY 115	Technical Physics	4

### Area IV: History, Social and Behavioral Science

Please choose one of the following:

Item #	Title	Credits
	Social and Behavioral Sciences Elective	3

## Area V: Technical Concentration and Electives

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
INT 101	DC Fundamentals	3
INT 103	AC Fundamentals	3
INT 113	Industrial Motor Control I	3
INT 117	Principles of Industrial Mechanics	3
INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 134	Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3
INT 158	Industrial Wiring I	3
INT 161	Blueprint Reading for Industrial Technicians	3
INT 184	Introduction to Programmable Logic Controllers	3
INT 206	Industrial Motors I	3
INT 207	Industrial Automatic Controls	3
INT 211	Industrial Motors II	3
INT 213	Industrial Motor Control II	3
INT 222	Special Topics: Safety	3
INT 280	Special Topics Computer Fundamentals	3
INT 284	Advanced Programmable Logic Controllers	3
INT 291	Cooperative Education	3
	INT Technical Elective	3
	INT Technical Elective	3
	<b>Minimum Credit Hours for Graduation:</b>	<b>72</b>