Industrial Systems Technology: Instrumentation 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. A student who graduates in the program should be able to install and maintain all types of plant equipment.

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

Program: Industrial Maintenance Technology

Entrance Requirements

- Submit a completed application;
- High School diploma or equivalent required:
- Age Requirement:
- Submit official high school/high school equivalent transcripts, if applicable;
- Submit official college transcripts, if applicable;
- Satisfy Placement Testing requirements.

Area I: Written Composition

Item #	Title	Credits
	ENG 101 or ENG 100	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 from 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 from one of the following:

Item #	Title	Credits
	Social and Behavioral Sciences Elective	3

Area V: Technical Concentration and Electives

Item #	Title	Credits
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 222	Special Topics: Safety	3-3
INT 280	Special Topics Computer Fundamentals	3
INT 284	Advanced Programmable Logic Controllers	3
INT 291	Cooperative Education	3
ILT 114	Instrumentation Operation and Calibration	3
ILT 240	Sensors Technology and Applications	3
	INT Technical Elective	3
	INT Technical Elective	3
	Minimum Credit Hours for Graduation:	**72-73**