Industrial Systems Technology

Associate in Applied Science

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online.

	Course #	Course Name	Sem. Hours
Semester 1	ORI 101 OR ORT100	College Orientation OR Orientation for Career Success	1
	MTH116 or Higher	Mathematical Applications or Higher	3
	CIS146	Microcomputer Applications	3
	INT101 OR ELT108	DC Fundamentals	3
	INT134 OR WDT 107	Principles of Industrial Maintenance Welding and Metal Cutting Techniques OR SMAW Fillet/OFC/PAC/CAC	3
			Semester Total: 13
Semester 2	ENG101	English Composition I	3
	INT103 OR ELT 109	AC Fundamentals	3
	INT119	Principles of Mechanical Measurement and Technical Drawing	3
	INT123	Concepts of Solid State Electronics	3
	INT132	Preventative and Predictive Maintenance	3
			Semester Total: 15
Semester 3	SPH106 OR SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	INT117	Principles of Industrial Mechanics	3
	INT118	Fundamentals of Industrial Hydraulics and Pneumatics	3
	INT113 OR ELT209	Industrial Control I OR Motor Controls	3
	Area II	Humanities/Fine Arts Elective	3
			Semester Total: 15
Semester 4	INT105	Introduction to Process Technology	3
	INT184 OR ELT234	Introduction to Programmable Logic Controllers	3

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	INT213 OR ELT 212	Industrial Motor Control II OR motor Controls II	3
	PHS112	Physical Science II	4
			Semester Total: 13
Semester 5	PSY200	General Psychology	3
	INT284	Advanced Programmable Logic Controllers	3
	INT139	Introduction to Robot Programming	3
	INT208	Advanced Process Simulation	3
		ELIGIBLE FOR AAS IN APPLIED ENGINEERING TECHNOLOGY	Semester Total: 12
			Program Total: 68