

Sample INT Stackable Certificate-Degree/Credential Program

Industrial Systems Technology – Multi-Skilled Maintenance Technician

The Industrial Systems Technology – Multi-Skilled Maintenance Technician program is industry-driven and focused on preparing graduates for the workforce with a wide range of knowledge and skills. Students will be eligible to earn industry certifications and certificates throughout their college career.

Program Requirements

	Course #	Course Name	Sem. Hours
Semester 1	ILT 160	DC Fundamentals (ETA DC EM1 Exam)	3
Fall	ILT 161	AC Fundamentals (ETA AC EM2 Exam)	3
	CIS 146	Microcomputer Applications	3
	MTH 100	MTH 100 or numerically higher	3
	WKO 110	NCCER Core (NCCER Credential)	3
		Eligible for Short Term Certificate (STC)-Industrial Systems Technology	
Semester 2	INT 119	Principles of Mechanical Measurement and Technical Drawing	3
Spring	INT 117	Principles of Industrial Mechanics	3
	SPH 107	Fundamentals of Public Speaking	3
	ENG 101	English Composition I	3
		Eligible for Short Term Certificate (STC)-Industrial Systems Technology – Multi-Skilled Technician	
Semester 3	INT 126	Preventive Maintenance	3
Summer	INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3
	ILT 197	Motor Controls	3
	Area III	Math, Science or Computer Science elective	3
Semester 4	ILT 118	Construction Wiring NEC	3
Fall	ILT 195	Troubleshooting Techniques	3
	INT 220	Special Topics – Capstone Course	3
	ILT 109	Blueprint Reading	3
	WKO 106	Workplace Essentials (Alabama Career Readiness Certificate) (OSHA 10 Hour Card)	3
		Eligible for Certificate (CER) in Industrial Systems Technology Multi-Skilled Maintenance Technician	
Semester 5	INT 192	Industrial Maintenance Technology Co-op	3
Spring	INT 127	Principles of Industrial Pumps and Piping	3
	INT 134	Principles of Industrial Maintenance Welding and Metal Cutting	3
	Area II	Humanities & Fine Arts Elective	3
	Area IV	Social and Behavioral Science elective	3
		Eligible for AAS in Industrial Systems Technology – Multi-Skilled Maintenance Technician	
		Total Hours Required for Degree	69