Industrial Systems Technology, STC

This program provides training in which students gain the skills, knowledge, and experience for employment in Industrial Systems Maintenance occupations. The students will acquire techniques and skills applicable to the rapidly growing field of Industrial Systems Technology.

The student will have the opportunity to learn fundamental principles of electrical, mechanical, hydraulic, pneumatic and robotic systems used in advanced manufacturing applications. Additionally, process control, instrumentation and Programmable Logic Control (PLC) systems and techniques are covered. Students who complete all courses listed in the curriculum will be awarded a Certificate in Industrial Systems Technology. Successful completion of the program prepares graduates for entry-level employment in a variety of industrial-related fields.

Program: Industrial Systems Technology
Type: Short Certificate

Area V: Required Field of Concentration Courses

Item #	Title	Credits
	INT 101 OR ELT 108	Elective Credits 3
	INT 103 OR ELT 109	Elective Credits 3
	INT 113 OR ELT 209	Elective Credits 3
INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 119	Principles of Mechanical Measurement and Technical Drawing	3
	INT 184 OR ELT 231	Elective Credits 3
	INT 213 OR ELT 212	Elective Credits 3
INT 284	Advanced Programmable Logic Controllers (PLC's)	3
	Total credits:	**Total Credits 24**

Course Sequencing

Industrial Systems Technology Short Certificate First Semester

Item #	Title	Credits
	INT 101 OR ELT 108	Elective Credits 3
	INT 113 OR ELT 209	Elective Credits 3
	INT 184 OR ELT 231	Elective Credits 3
INT 119	Principles of Mechanical Measurement and Technical Drawing	3

Industrial Systems Technology Short Certificate Second Semester

Item #	Title	Credits
	INT 103 OR ELT 109	Elective Credits 3
INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3
	INT 213 OR ELT 212	Elective Credits 3
INT 284	Advanced Programmable Logic Controllers (PLC's)	3