Industrial Systems Technology IST4

Type
Diploma

The Industrial Systems Technology Diploma program is designed for the student who wishes to prepare for a career as an Industrial Systems technician/electrician. The program provides learning opportunities that introduce, develop and reinforce academic and technical knowledge, skill, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skill. The diploma program teaches skills in Industrial Systems Technology providing background skills in several areas of industrial maintenance including electronics, industrial wiring, motors, controls, plc's, instrumentation, fluidpower, mechanical, pumps and piping, and computers. Graduates of the program receive an Industrial Systems technology diploma that qualifies them for employment as industrial electricians or industrial systems technicians.

Basic Skills Core — 8.00 Hours

Item #	Name	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3

Occupational Courses — 38.00 Hours

Item #	Name	Credits
IDSY 1101	DC Circuit Analysis	3
IDSY 1105	AC Circuit Analysis	3
IDSY 1170	Industrial Mechanics	4
IDSY 1110	Industrial Motor Controls I	4
IDSY 1120	Basic Industrial PLC's	4
IDSY 1130	Industrial Wiring	4
IDSY 1190	Fluid Power Systems	4
IDSY 1195	Pumps and Piping Systems	3
	IST4 Occupational Electives	9
	Minimum Credit Hours for Graduation	46