

IST4: Industrial Systems Technology Diploma (replaces ICS4: Industrial Systems Technology in the Quarter System)

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, PLCs, instrumentation, fluid power, mechanical, pumps and piping, and computers.

Career Opportunities

Graduates may find employment as industrial electricians or industrial systems technicians with any industrial enterprise or manufacturing concern.

Credit Required for Graduation: Minimum of 60 credit hours

Curriculum

	Program Course	Credits
<i>Basic Skills Courses</i>		
_____	EMPL 1000 Interpersonal Relations and Professional Development	2
_____	ENGL 1010 Fundamentals of English I	3
_____	MATH 1013 Algebraic Concepts	3
<i>Occupational Courses</i>		
_____	COMP 1000 Introduction to Computers	3
_____	IDSY 1100 Basic Circuit Analysis	5
_____	IDSY 1110 Industrial Motor Controls I	5
_____	IDSY 1120 Basic Industrial PLCs	6
_____	IDSY 1130 Industrial Wiring	4
_____	IDSY 1170 Industrial Mechanics	6
_____	IDSY 1190 Fluid Power and Piping Systems	6
_____	IDSY 1210 Industrial Motor Controls II	5
_____	IDSY 1220 Intermediate Industrial PLCs	6
_____	IDSY 1230 Industrial Instrumentation	6