

EC22: Electrical Control Systems Diploma (replaces ECS2: Electrical Control Systems in the Quarter System)

The Electrical Control Systems diploma program is a sequence of courses designed to prepare students in the field of electrical control systems. Learning opportunities develop academic and professional knowledge, along with skills required for job acquisition, retention, and advancement. The program emphasizes specialized training in PLCs, electrical controls, and instrumentation.

Career Opportunities

Graduates may find employment as industrial electricians, industrial control technicians, or in related occupations.

Credit Required for Graduation: Minimum of 51 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 1012 Foundations of Mathematics	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 1150 DC and AC Motors	3
	-or-	
_____	IDSY 1180 Magnetic Starters and Braking	(3)
_____	IDSY 1210 Industrial Motor Controls II	5
_____	IDSY 1220 Intermediate Industrial PLCs	6
_____	IDSY 1230 Industrial Instrumentation	6