

Electrical Control Systems EC22

Type

Diploma

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 PLC's, electrical controls, and instrumentation. Graduates of the program receive an Electrical Control Systems diploma that qualifies them for employment as industrial electricians or industrial control 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

DC Occupational Course — 3.00 Hours

* Choose one of the following courses:

Item #	Name	Credits
IDSY 1101	DC Circuit Analysis	3
IDFC 1011	Direct Current I	3

AC Occupational Course — 3.00 Hours

* Choose one of the following courses:

Item #	Name	Credits
IDFC 1012	Alternating Current I	3
IDSY 1105	AC Circuit Analysis	3
ELTR 1020	Alternating Current Fundamentals	3

Occupational Courses — 30.00 Hours

Item #	Name	Credits
IDSY 1110	Industrial Motor Controls I	4
IDSY 1120	Basic Industrial PLC's	4
IDSY 1130	Industrial Wiring	4
IDSY 1210	Industrial Motor Controls II	4
IDSY 1220	Intermediate Industrial PLC's	4
IDSY 1230	Industrial Instrumentation	4
	Specific Occupational-Guided Electives (6 credits)	6
	Minimum Credit Hours for Graduation	44