Electrical Systems Technology, ES12

Type
Diploma

The Electrical Systems Technology program provides instruction in the inspection, maintenance, installation, and repair of electrical systems in the residential, commercial, and industrial industries. A combination of theory and practical application is emphasized to develop academic, technical, and professional knowledge and skills. Program graduates receive a diploma in Electrical Systems Technology with a specialization in residential or industrial applications.

Basic Skills Courses

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

Occupational Courses

Item #	Title	Credits
IDFC 1007	Industrial Safety Procedures	2
	PHYS 1111 (+ lab) or IDSY 1170 or DFTG 2010	4
IDSY 1105	AC Circuit Analysis	3
ELTR 1060	Electrical Prints, Schematics & Symbols	2
ELTR 1080	Commercial Wiring I	5
ELTR 1090	Commercial Wiring II	3
ELTR 1180	Electrical Controls	4
	Specific Occupational-Guided Electives (3 credits)	3

Electrical Construction and Maintenance Specialization, 8EC2

Item #	Title	Credits
ELTR 1205	Residential Wiring I	3
ELTR 1210	Residential Wiring II	3
	Specific Occupational-Guided Electives (3 credits)	3

Industrial Electrical Technology Specialization, 8I12

Item #	Title	Credits
ELTR 1220	Industrial PLC's	4
ELTR 1250	Diagnostic Troubleshooting	2
ELTR 1270	N.e.c. Industrial Wiring Applications	4

Field Occupation Specialization, 8F12

Item #	Title	Credits
	Specific Occupational-Guided Electives (3 credits)	3

Field Occupation Specialization 8FC2

Item #	Title	Credits
	Occupationally Related Electives	
	Minimum Credit Hours for Graduation	**54**