

ELECTRICIAN, DIPLOMA

Electrician, Diploma

Overview

The electrician program prepares individuals to apply their knowledge and skills to install, operate, maintain, and repair electrical apparatus and systems such as residential, commercial, and industrial electric - power wiring; and D.C. and A.C. motors, controls, and electrical distribution panels. Also, included is instruction in the use of test equipment.

Locations

Jackson

Course Number	Course Title	Credits
Fall Semester - Year 1		
ELEC 1200	Residential Wiring I	5
ELEC 1205	National Electric Code I	2
ELEC 1230	Safety Principles and OSHA	1
ELEC 1235	Applied Electrical Calculations	2
ELCO 1100	Electrical Circuits Fundamentals	3
ELCO 1105	Electrical Circuits Fundamentals Lab	3
EMS 1112	AHA CPR Healthcare Provider, AED First Aid Certification	1
	Credits for Fall Semester	17
Spring Semester - Year 1		
ELEC 1210	Residential and Farm Wiring II	5
ELEC 1215	National Electric Code II	2
ELEC 1220	Conduit Installation	4
ELEC 1225	Electric Motors	3
	Credits for Spring Semester	14
	Total Credits Year 1	31
Fall Semester - Year 2		
ELEC 1240	Commercial Wiring	5
ELEC 2200	Low Voltage	2
ELEC 2205	Electric Motor Controls I	4
ELEC 2210	National Electric Code III	2
ELEC 2265	Alternative Energies	3
	Credits for Fall Semester	16
Spring Semester - Year 2		
ELEC 2220	Industrial Wiring	3
ELEC 2225	Electric Motor Controls II	4
ELEC 2230	Programmable Logic Controllers	4
ELEC 2235	National Electric Code IV	2
ELEC 2240	Transformers	3
ELEC 2250	Heating and Air Conditioning Controls	3

Course Number	Course Title	Credits
	Credits for Spring Semester	19
	Total Credits Year 2	35
	General Education Electives	8
	Total Program Credits	74

Notes:

General Education electives from: English, Biology, Chemistry, Physics, Math, Natural Science, Art, Foreign Language, Literature, Music, Philosophy, Theatre, Western Civilization, Economics, Geography, History, Political Science, Psychology, and Sociology