

**ELECTRICIAN, A.A.S.****Electrician, A.A.S.****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
	<b>Credits for Fall Semester</b>	<b>17</b>
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
	<b>Credits for Spring Semester</b>	<b>14</b>
	<b>Total Credits Year 1</b>	<b>31</b>
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
	<b>Credits for Fall Semester</b>	<b>16</b>
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
	<b>Credits for Spring Semester</b>	<b>19</b>
	<b>Total Credits Year 2</b>	<b>35</b>
	General Education Electives	15
	<b>Total Program Credits</b>	<b>81</b>

**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*