

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

Canby

Course Number	Course Title	Credits
Fall Semester - Year 1		
ELEC 1200	Residential Wiring I	5
ELEC 1205	National Electric Code I	2
ELEC 1220	Conduit Installation	4
ELEC 1230	Safety Principles and OSHA	1
ELCO 1110	AC/DC I	3
EMS 1112	AHA CPR Healthcare Provider, AED First Aid Certification	1
	Credits for Fall Semester	16
Spring Semester - Year 1		
ELEC 1210	Residential and Farm Wiring II	5
ELEC 1215	National Electric Code II	2
ELEC 1225	Electric Motors	3
ELEC 1235	Applied Electrical Calculations	2
ELEC 1240	Commercial Wiring	5
ELCO 1120	AC/DC II	3
	Credits for Spring Semester	20
	Total Credits Year 1	36
Fall Semester - Year 2		
ELEC 2200	Low Voltage	2
ELEC 2205	Electrical Motor Controls I	4
ELEC 2210	National Electric Code III	2
ELEC 2220	Industrial Wiring	3
ELEC 2265	Alternative Energies	3
	Credits for Fall Semester	14
Spring Semester - Year 2		
ELEC 2225	Electrical 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	16
	Total Credits Year 2	30
	General Education electives	15
	Total Program Credits	81

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