

Industrial/Commercial Electrician

Degree Type Certificate

This Industrial/Commercial Electrician Certificate program will prepare students to become electrician helpers, electrician apprentices, maintenance technicians, or allow them to work in the electrical retail field. It will also assist those interested in gaining access to the International Brotherhood of Electrical Workers (IBEW) Local 910 Electrician Apprenticeship Program. The Certificate is a subset of courses offered in the proposed Industrial/Commercial Electrician A.O.S. Degree program. Students will develop knowledge in electrical construction and basic electrical theory while learning basic electrical construction skills. Topics include electrical theory, electrical circuits, and electrical construction along with supporting courses such as electrical blueprint reading and project estimating. All core courses are guided by the current version of the National Electric Code (NEC) Handbook.

Industrial/Commercial Electrician (10 Credits):

Course Code	Title	Credits
ICE 101	Residential Electrical And Wiring	6
ICE 102	Electrical Blueprint Reading	2
ICE 202	Electrical Project Estimation	2

Mathematics (8 Credits):

Course Code	Title	Credits
MAT 105	Technical Mathematics I	4
MAT 205	Technical Mathematics II	4

Electrical/Electronics Technology (8 Credits):

Course Code	Title	Credits
ETE 101	Electrical Circuits I	4
ETE 102	Electrical Circuits II	4

Mechanical Technology (2 Credit):

Course Code	Title	Credits
MEC 209	Industrial Health And Safety	2
Total Credits		28