

ELECTRICIAN APPRENTICESHIP, A.A.S.

The Electrician Apprenticeship degree, in partnership with the Joint Apprenticeship and Training Committee (JATC) of the International Brotherhood of Electrical Workers (IBEW) Local Union, is open only to individuals admitted into the Electrician Apprenticeship Program of the IBEW. This degree will fulfill the classroom component of the IBEW/JATC apprenticeship experience. This program requires a minimum of 64 credits in program requirements and general education as listed below.

For more information about Electro-Mechanical Technology, please visit the program page (<http://www.cod.edu/electro-mech/>).

Degree Requirements

Field of Study Code: ELMEC.AAS.ELECA

Code	Title	Credits
Program Requirements		
ELMEC 1110	Motor & Generator Fundamentals	3
ELMEC 1130	Industrial Electricity	3
ELMEC 1150	National Electrical Code	3
ELMEC 1190	Intro to Programmable Logic Controllers	3
ELMEC 2860	Internship (Career & Technical Ed)	1-4
ELMEC 2863	Internship (Career & Technical Ed)	3
ELMEC 2864	Internship (Career & Technical Ed)	4
ELECT 1100	Electricity and Electronics Fundamentals	3
ELECT 1101	Circuits I	3
ELECT 1120	Electronic Documentation and Fabrication	3
ELECT 1130	Electronics Materials and Fabrication	2
ELECT 1141	Digital Fundamentals	3
ELECT 1151	Electronic Devices and Applications	4
ELECT 2220	Electronic Instruments, Measurements, And Control	3
MANUF 1101	Industrial Design/CAD	3
MANUF 2280	Industrial Safety	2
General Education		
Select 19-22 credits, including 2 semester hours in Global/Multicultural Studies or Contemporary Life Skills. ¹		19-22
Total Credits		65-71

¹ In addition to the courses listed above.

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).