

Associate of Applied Science (AAS)

Electrician Apprenticeship Technologies AAS

a. Program Description

Registered Apprenticeship in the electrician trades or occupations is a method of career and technical related training leading to certification and journey-level status. This is a limited-entry program for registered apprentices who are sponsored by individual employers, accepted by a Joint Apprenticeship and Training Committee (JATC) and registered with the State of Oregon Bureau of Labor & Industries (BOLI).

Clackamas Community College offers three state-wide Apprenticeship degrees and their stackable Certificates of Completion and Career Pathway Certificates of Completion. These parent degrees are: Electrician Apprenticeship Technologies AAS, Construction Trades General Apprenticeship AAS, and Industrial Mechanics and Maintenance Technology Apprenticeship AAS. These degrees do not guarantee licensure.

This program is articulated with Oregon Institute of Technology (OIT), which requires a higher-level math course than is required for the program. Contact an Apprenticeship Advisor at CCC for help with transfer to OIT.

Electricians and plumbers require state licensure. Related training courses meet industry standards and are offered through a partnership between the Oregon State Apprenticeship & Training Council and the local Joint Apprenticeship & Training Committee.

b. Program Curriculum

Proposed Curriculum

CODE	TITLE	CREDITS
	Journey Level Card from Oregon BOLI ¹	22.00
	<u>Computation requirement</u>	3.00-5.00
	<u>Communication requirement</u>	3.00-4.00
	<u>Human Relations requirement</u>	3.00-4.00
	<u>PE/Health/Safety/First Aid requirement</u>	1.00-3.00
	Elective (100 level or above)	12.00-6.00
<u>APR-102IE</u>	Inside Electrical Residential Installations	6.00
<u>APR-103IE</u>	Inside Electrical Intro to Theory	6.00
<u>APR-151IE</u>	Inside Electrical Intro to National Electrical Code (NEC)	6.00
<u>APR-152IE</u>	Inside Electrical Advanced Theory and Blueprints	6.00
<u>APR-201IE</u>	Inside Electrical Grounding, Bonding, and Motors	6.00
<u>APR-202IE</u>	Inside Electrical Controls and Automation	6.00
<u>APR-250IE</u>	Inside Electrical NEC Code Analysis I	6.00
<u>APR-251IE</u>	Inside Electrical NEC Code Analysis II	6.00

CODE	TITLE	CREDITS
Total Credits		92
Course List		

1

Students who obtain a State of Oregon Apprenticeship Training Journey Level Card or Oregon Bureau of Labor and Industries Apprenticeship and Training Division (BOLI-ATD) Certificate of Completion will earn 22 Credits.