

ELECTRICIAN APPRENTICESHIP TECHNOLOGIES, AAS

Registered Apprenticeship is a method of career and technical education recognized by the Apprenticeship and Training Division of the Oregon Bureau of Labor and Industries (BOLI). It combines on-the-job training and trade-related instruction taken in conjunction with each other.

Apprenticeship courses are approved for BOLI-registered apprentices or journey-level workers and are not available to the general public.

CCC's apprenticeship programs offer Statewide Associate of Applied Science degrees, Certificates of Completion and Career Pathway Certificates of Completion for journeymen in the areas of Inside Electrician (IE), Limited Energy (LE), Protective Signaling (LE), Limited Maintenance Electrician (LME), Lineman (UL), Meterman (UM), Wireman (UW), Line Estimator (UE), Painter (PT), Plumber (PB), and Machinist (MA).

A journeyman has the opportunity to receive a Career Pathway Certificate of Completion, Certificate of Completion and/or Associate of Applied Science degree in their designated field of study upon the completion of their on-the-job training (OJT), related training, journey level card/certificate and the required Related Instruction courses and possible elective courses, depending on the trade.

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.

If you are interested in becoming registered in an Oregon State Apprenticeship program, please contact the Oregon State Bureau of Labor and Industries Apprenticeship and Training Division at 971-673-0761 or www.boli.state.or.us for program and entrance requirements.

For more information on CCC's apprenticeship certificates and degrees, visit the [Apprenticeship webpage](#), or contact the Apprenticeship Coordinator at 503-594-3031 or Apprenticeship Advisor at 503-594-0959, apprenticeship@clackamas.edu.

(Limited Entry Program-Journeyman's card required)

Outcomes

Related Instruction Outcomes

Computation

- 4-5 credits - See [Related Instruction](#) for course list
- Use appropriate mathematics to solve problems.

Communication

- 3-4 credits - See [Related Instruction](#) for course list
- Read actively, think critically, and write purposefully and capably for professional audiences.

Human Relations

- 3-4 credits - See [Related Instruction](#) for course list
- Engage in ethical communication processes that accomplish goals.

Physical Education/Health/Safety/First Aid

- 1-3 credits - See [Related Instruction](#) for course list
- Use effective life skills to improve and maintain mental and physical wellbeing.

Careers

Limited-Entry Program-Journeyman's Card Required. This degree does not guarantee licensure.

4000 Hour BOLI-ATD Trades:

- Limited Energy Technician License B
- Limited Maintenance Electrician¹
- Limited Renewable Energy Technician
- Limited Residential Electrician

6000 Hours BOLI-ATD Trades:

- Limited Energy Technician
- Sign Maker/Fabricator¹

8000 Hours BOLI-ATD Trades:

- Inside Electrician¹
- Manufacturing Plant Electrician
- Sign Assembler/Fabricator
- Sign Maker/Erector
- Stationary Engineer
- Lineman¹
- Meterman¹
- Wireman¹

¹ Programs offered at Clackamas Community College through partnership with local JATC or EIC.