

# MANUAL APPRENTICESHIP TRADES, CAREER PATHWAY CERTIFICATE

*(Limited Entry Program-Journeyman's card required)*

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](http://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](mailto:apprenticeship@clackamas.edu).

## Outcomes

### Program Outcomes

Upon successful completion of this program, students should be able to:

- complete a minimum of 6000-8000 hours State of Oregon approved on-the-job training (OJT);
- demonstrate safe working practices including rigging and lock out tag out in accordance with state and federal regulations;
- apply OSHA practices in relationship to the specific trade;
- apply theory as it relates to trade competencies;
- utilize recognized standard building codes guidelines as applicable;
- demonstrate ability to perform welding/brazing applications;
- calculate elementary algebraic equations and formulas;

- apply appropriate formulas to mathematical situations;
- demonstrate the proper care, use and storage of hand and power tools;
- read and interpret building plans and drawings;
- prepare and utilize isometric sketching and detailed drawings per individual trade;
- utilize recognized standard building codes guidelines as applicable;
- complete required related training with a grade C or higher;
- complete a code prep exam with a 75% or higher score per individual trade.

## Careers

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

6000-8000-HR BOLI-ATD Trades:

- Asbestos Removal
- Carpenter
- HVAC/R
- Interior/Exterior Finisher
- Painter<sup>1</sup>
- Pile Driver
- Plumber
- Scaffold Erector
- Sheet Metal

<sup>1</sup> Programs offered at Clackamas Community College through partnership with local JATC.