

APPRENTICESHIP TECHNOLOGIES

Limited Electrician Apprenticeship Technologies Certificate

PROGRAM MISSION

Proposed (Changes or NEW courses)
The Limited Maintenance Electrician Technologies Certificate program prepares students for entry level jobs and future careers.

PROGRAM DESCRIPTION

Oregon Bureau of Labor and Industries – Apprenticeship Training Division (BOLI-ATD) and local Trade Apprenticeship Training Committee (TATC) trade-specific standards of apprenticeship control the training. This program is restricted to BOLI-ATD registered apprentices. Therefore, this is a closed enrollment program and not available to the general student population.

Apprenticeship training is an earn-while-you learn program. The apprentice is an employee and earns a wage while receiving on-the-job training and attending related training classes.

An approved training agent selects apprentices through a competitive bid process from current employees. The apprentice connects to the JATC after selection through the indenture (registration) process. Local JATCs representing labor and management work with the College to implement the apprenticeship programs. Every six months the TATC reviews and evaluates each apprentice's progress.

The apprenticeship model provides statewide transfer opportunities, ladder-type Certificates of Completion, Associate of Applied Science degrees and an optional transfer path into a Bachelor of Applied Science degree in Technology and Management at Oregon Institute of Technology.

The BOLI-ATD website www.oregon.gov/boli/atd provides more information about apprenticeship and statewide opportunities.

Umpqua Community College offers one 4,000-hour BOLI-ATD registered apprenticeships in partnership with Roseburg Industrial Electrical JATC and BOLI-ATD.

- Limited Maintenance Electrician

PROGRAM OUTCOMES

Students who successfully complete the Limited Maintenance Electrician Technologies Certificate will:

1. Demonstrate knowledge of electrical fundamentals and safety
2. Demonstrate accurate measurements, calculations and use of equipment
3. Assess and troubleshoot various electrical situations
4. Complete Electrical Code and Exam Prep

CAREER CONSIDERATIONS

The Limited Maintenance Electrician Technologies Certificate program prepares students for entry level jobs and future careers in the following areas:

- Limited Maintenance Journeyman Electrician

PROGRAM COURSE REQUIREMENTS

Year One

APR 151	Basic Electronics and Electricity	4
APR 153	Electrical Applications and Techniques	3
APR 157	Introduction to the NEC	2
APR 159	Electrical Blueprint Reading	2

Year Two

APR 165	AC Electronics and Electricity	4
APR 169	Electrical Code Study 2	2
APR 253	Electrical Code Study 3	2
APR 255	Motor Controls 1	2

PROGRAM ENTRANCE REQUIREMENTS

Academic Entrance Requirement

- JATC Approval