LIMITED MAINTENANCE ELECTRICIAN APPRENTICESHIP TECHNOLOGIES, CERTIFICATE

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 oregon.gov/boli/atd (http://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

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

Course	Title	Credits
First Year		
First Term		
APR 151	Basic Electronics-Electricity	4
MTH 065	Elementary Algebra	4
	Credits	**8**
Second Term		
APR 153	Electrical Applications-Tech	3
APR 159	Electrical Blueprint Reading	2
	Credits	**5**
Third Term		
APR 157	Intro to National Elect Code	2
APR 169	Electrical Code Study II	2
	Credits	**4**
Second Year		
First Term		
APR 255	Motor Controls I	2
	Credits	**2**
Second Term		
APR 165	AC Electronics and Electricity	4
APR 253	Electrical Code Study III	2
	Credits	**6**
Third Term		
APR 167	Electric Motors-Transformers	3
	Credits	**3**
	Total Minimum Credits	**28**

Program Entrance Requirements

Academic Entrance Requirement

- JATC Approval