

# Industrial Mechanics and Maintenance Technology Apprenticeship

## Associate of Applied Science Degree

### 2009-10 Academic Year

Major Code: 470000

### About the Program

The Industrial Mechanics and Maintenance Technology Apprenticeship program is based on the Bureau of Labor and Industries (BOLI) Oregon State Apprenticeship Training Council and local Joint and Trades Apprenticeship Training Committee related training standards. It combines full-time, on-the-job work experience with trade-related theoretical instruction. The degree is available only to BOLI-registered apprentices. If you are interested in becoming a registered apprentice in an Oregon state apprenticeship program, contact Cathy Pierson or Peggy Lara at (541) 245-7934. RCC supports these BOLI-ATD trades: air frame/power plant technician and boiler operator (4,000 hours); tool and die maker, millwright and motor winder (8,000 hours).

This AAS degree is a credential within Rogue Community College's Industrial Mechanics and Maintenance Technology Apprenticeship Pathway. The pathway model provides statewide transfer opportunities, ladder-type certificates of completion, and an optional transfer path into a bachelor of science degree at the Oregon Institute of Technology. The degree features general education courses prescribed by Rogue Community College, related training credits previously earned in the certificate of completion, college credit for an earned journey-level card, and some industry electives. It also provides additional access to related training courses across the state for registered apprentices with aligned program outcomes, assessments and courses.

### Entry Requirements

Students are required to take a placement test to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill level as determined by placement test scores. In addition, students may also be required to enroll in classes that would increase their employability and success.

### Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college policies and approval of the department head.

### Graduation Requirements

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. Certain required courses are graded on a pass/no pass basis only. A grade of "P" for these courses indicates a student earned a "C" or better grade. Students must also possess the appropriate Bureau of Labor and Industries Apprenticeship Certificate and be recommended by the Joint Apprenticeship and Training Committee or Trades Apprenticeship and Training Committee. This degree does not guarantee licensure. Note: Effective summer term 2009, many general education courses went from three to four credits. The three-credit version of any art, writing, speech, humanities, or social science course will meet the same degree requirements as the new four-credit version. Students must still complete all required courses in this degree and at least 90 applicable credits to receive an associate degree.

### General Education Requirements

Course No.	Course Title	Credits
BT101	Human Relations in Organizations or	
PSY101	Psychology of Human Relations	3
—	Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency) <sup>1</sup>	0-4
LIB127	Introduction to Library Research Methods	1
MTH60	Fundamentals of Algebra I or	
MTH63	Applied Technical Math or higher level math	4
WR115	Introduction to Expository Writing <sup>2</sup>	3
WR121	English Composition I <sup>2</sup>	4
9.167	Emergency First Aid	1
<b>TOTAL GENERAL EDUCATION CREDITS</b>		<b>16-20</b>

### Credit for Prior Certification (Work-based Learning)<sup>3</sup>

Course No.	Course Title	Credits
APR105	Apprenticeship Credit for Prior Learning	11-22
	• Air Frame and Power Plant Technician – 16 credits	
	• Boiler Operator – 11 credits	
	• Tool and Die Maker – 22 credits	
	• Millwright – 22 credits	
	• Motor Winder – 22 credits	
<b>TOTAL CREDIT FOR PRIOR CERTIFICATION</b>		<b>11-22</b>

### Related Training

Course No.	Course Title	Credits
—	Credit toward an Associate of Applied Science degree earned through related apprenticeship training classes in these trades:	24-46
	• Air Frame and Power Plant Technician – 37 credits	
	• Boiler Operator – 24 credits	
	• Tool and Die Maker – 24 credits	
	• Millwright – 34 credits	
	• Motor Winder – 46 credits	

### Approved Program Electives

Course No.	Course Title	Credits
—	Any college-level course (numbered 100 or above) to meet minimum degree requirement	2-39
<b>MINIMUM TOTAL PROGRAM CREDITS REQUIRED</b>		<b>90</b>

<sup>1</sup> Successful completion of CS101 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

<sup>2</sup> In lieu of WR115 and WR121, students may substitute BT113 Business English I and BT114 Business English II (6 credits total); or BT113 Business English I (or WR115 Introduction to Expository Writing) and three or four credits of speech (SP100 Basic Communication, SP111 Fundamentals of Public Speaking, or SP218 Interpersonal Communication), 6-7 credits total.

<sup>3</sup> A maximum of 22 credits can be earned for documented work-based learning for registered apprentices and journey persons. Students must provide a State of Oregon Apprenticeship Training Journeyman card or BOLI-ATD certificate.

For more information contact the Apprenticeship coordinator:

Grants Pass or Medford . . . . . (541) 245-7912  
 Toll free in Oregon . . . . . (800) 411-6508, Ext. 7912  
 e-mail . . . . . cpierson@rogucecc.edu  
 TTY . . . . . (541) 245-7587

This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

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