Occupational Report

Industrial Machinery Mechanics

(49-9041)

Clatsop / Columbia / Tillamook Counties

Description: Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. Exclude "Millwrights" (49-9044), "Mobile Heavy Equipment Mechanics, Except Engines" (49-3042), and "Maintenance Workers, Machinery" (49-9043) who perform only routine tasks.

Employment Outlook

Statewide Employment Analysis	Employment in this occupation in 2010 was somewhat larger than the statewide average for all occupations. This occupation is expected to grow at a somewhat slower rate than the statewide average growth rate for all occupations through 2020. The total number of job openings is projected to be somewhat higher than the statewide average number of job openings for all occupations through 2020. Reasonable employment opportunities exist largely due to the need to fill replacement job openings.
Regional Employment Analysis	Employment in this occupation in 2010 was much larger than the regional average for all occupations. This occupation is expected to grow at a much slower rate than the regional average growth rate for all occupations through 2020. The total number of job openings is projected to be somewhat higher than the regional average number of job openings for all occupations through 2020.

Current Employment Department Job Openings

Employment Department has one (1) current job opening for this occupation in this geographic area.
These openings might change daily.

Job Title	Date Posted	Location	Wage Offered
1. Maintenance Mechanical / Electrical	5-22-13	Warren	N/A DOE, Neg.

Job Openings from the Web

This occupation has no job openings from the web in this geographic area.

State of Oregon License Information

This occupation does not require a license in Oregon.

Wages

Region	2012 Wages						
	Percentiles (hourly wages)					Avg Hourly ($/hr)	Avg Annual
	10th	25th	50th (median)	75th	90th		
Oregon Statewide	$16.78	$19.95	$23.54	$28.39	$34.90	$24.53	$51,021
Clatsop / Columbia / Tillamook	19.43	22.67	30.83	34.40	36.54	28.70	59,694

Regional Employment Projections

Replacement openings are caused by existing workers permanently leaving their occupation. Many additional job openings occur due to job changes within occupations.

Region	Employment		Change	Percent Change	Projected Annual Openings		
	2010	2020			Growth	Replacement	Total
Oregon Statewide	3,643	4,102	459	12.6%	46	74	120
Clatsop / Columbia / Tillamook	173	175	2	1.2%	0	3	3

Industries of Employment

Industry Click links to view infogroup employers	Ownership	2010 Employment
Manufacturing	Private	156
Food Manufacturing	Private	34
Wood Product Manufacturing	Private	41
Sawmills and Wood Preservation	Private	39

Educational Requirements

Workers typically need a high school diploma or equivalent to enter this occupation. Those with a postsecondary non-degree award have a competitive advantage in the labor market. In addition, long-term on-the-job training is typically needed, once employed, to attain competency in the skills needed in this occupation.

Skills

- Adjust And Repair Mechanical Controls
- Adjust And Repair Production Machines
- Align Gears
- Apply Alternating Current (Ac) Theory
- Apply Electrical Principles
- Apply Hydraulics Principles
- Apply Machinist Practices
- Apply Pneumatic Systems Principles
- Apply Pressure Vessel And Piping Technology
- Apply Properties Of Metals To Repair Activities
- Assemble Gear Systems
- Assemble Small Objects And Parts
- Calibrate Or Balance Equipment And Machinery
- Configure Distributive Control System In Industrial Or Manufacturing Plant
- Coordinate Maintenance Work With Operating Personnel
- Estimate Cost, Time, And Materials Needed For Repairs
- Fit Bearings
- Follow Safety Procedures
- Install And Adjust Electromechanical Control Instruments
- Install Distributive Control System In Industrial Or Manufacturing Plant
- Install Measuring And Control Devices
- Install Treatment Plant Equipment
- Interpret And Apply Service And Repair Manuals
- Interpret Detailed Electronic Design Specifications
- Lay Out Large Repair And Maintenance Projects
- Maintain Computerized Machines And Equipment
- Maintain Repair Records
- Maintain Specialized Manufacturing Equipment
- Maintain Tools And Equipment Used In Industrial Repair
- Maintain Welding Machines And Equipment
- Maneuver Heavy Objects
- Operate Cranes, Hoists, Or Mechanical Booms
- Operate Pneumatic Test Equipment
- Order Parts
- Perform Combination Welding
- Perform Detailed Welding Techniques
- Read Blueprints And Technical Drawings
- Read Repair Work Orders
- Read Schematics And Specifications
- Rebuild Power Machines
- Repair And Maintain Industrial Production And Processing Machinery
- Repair Computer Controlled Manufacturing Systems
- Repair Distributive Control System In Industrial Or Manufacturing Plant
- Repair Electromechanical Devices
- Schedule Maintenance For Industrial Machines And Equipment
- Test Mechanical Products And Equipment After Repair Or Assembly
- Use Acetylene Torch
- Use Algebra
- Use Basic Mathematics
- Use Control And Regulating Devices To Adjust And Maintain Industrial Machinery
- Use Electrical Test Equipment
- Use Electronic Test Equipment
- Use Geometry
- Use Pneumatic Tools
- Use Precision Measuring Devices In Mechanical Repair Work
- Use Pressure Gauges
- Weld Metal Parts
- Work With High Voltage Apparatus

Schools and Training Providers

The underlined training program titles listed below relate closely to this occupation. Below them are the schools and other training providers that offer one or more of these programs. This information is updated once per year, so anyone interested in a particular program should check with the training institution regarding its availability. Listing these training providers does not necessarily constitute or imply their endorsement, recommendation, or favoring by the State of Oregon.

- Industrial Mechanics and Maintenance Technology
- Heavy/Industrial Equipment Maintenance Technologies, Other

Linn-Benton Community College
6500 Pacific Blvd SW
Albany, OR 97321
Phone: (541) 917-4999
- *Industrial Mechanics and Maintenance Technology*

Apprenticeship Division
800 NE Oregon Street, Suite1045
Portland, OR 97232
Phone: (971) 673-0761
- *Industrial Mechanics and Maintenance Technology*
- *Heavy/Industrial Equipment Maintenance Technologies, Other*

Tillamook Bay Community College
4301 Third St.
Tillamook, OR 97141
Phone: (503) 842-8222
- *Industrial Mechanics and Maintenance Technology*

Blue Mountain Community College
2411 NW Carden Ave
Pendleton, OR 97801
Phone: (541) 276-1260
- *Industrial Mechanics and Maintenance Technology*

Chemeketa Community College
4000 Lancaster Dr NE
Salem, OR 97305
Phone: (503) 399-5000
- *Industrial Mechanics and Maintenance Technology*

Portland Community College
12000 SW 49th Avenue
Portland, OR 97219-7132
Phone: (503) 244-6111
- *Industrial Mechanics and Maintenance Technology*

Career Pathway Roadmaps

These Oregon community colleges have defined career pathway roadmaps to facilitate entry into this occupation.

Blue Mountain Community College	• Electrician Apprenticeship • Industrial Mechanics & Maint. Technology Apprenticeship
Central Oregon Community College	• Industrial Maintenance
Chemeketa Community College	• Electronics Technology
Clackamas Community College	• Energy & Resource Management • Manufacturing Technology & CNC Machining
Columbia Gorge Community College	• Renewable Energy Technology
Klamath Community College	• Automotive Technology
Lane Community College	• Diesel Technology • Manufacturing Technology
Linn-Benton Community College	• Manufacturing Technology • Mechatronics
Rogue Community College	• Automotive Technology • Diesel Technology
Tillamook Bay Community College	• Industrial Maintenance Technology • Industrial Mechanic & Maintenance Apprenticeship

Related Occupations

The scores listed below indicates how closely the skills for Industrial Machinery Mechanics matches the occupation in the list. A score of 100% means the occupations have identical skill sets. A maximum of 10 occupations are displayed below.

Occupation	Skill Overlap
1. Millwrights	47%
2. Maintenance Workers, Machinery	43%
3. Mobile Heavy Equipment Mechanics, Except Engines	36%
4. Installation, Maintenance, And Repair Workers, All Other	33%
5. Rail Car Repairers	32%
6. Control And Valve Installers And Repairers, Except Mechanical Door	31%
7. Aircraft Mechanics And Service Technicians	31%