



# Maintenance Workers, Machinery

SOC Code 49-9043 • Projected Growth (2020) 0 %

## Description

### What Maintenance Workers, Machinery Do

Lubricate machinery, change parts, or perform other routine machinery maintenance. Excludes "Maintenance and Repair Workers, General".

### Duties

- **Repairing and Maintaining Mechanical Equipment** - Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- **Controlling Machines and Processes** - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- **Handling and Moving Objects** - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- **Inspecting Equipment, Structures, or Material** - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- **Performing General Physical Activities** - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

## Training Opportunities Linked to Those Jobs

[\(Degree Types and Colleges/Universities\)](#)

## How to Become a Maintenance Worker, Machinery

### Education and Training

These occupations usually require a high school diploma.

### Job Training

Employees in these occupations need anywhere from a few months to one year of working with experienced employees. A recognized apprenticeship program may be associated with these occupations.

### Important Qualities

**Equipment Maintenance** - Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.

**Operation Monitoring** - Watching gauges, dials, or other indicators to make sure a machine is working properly.

**Repairing** - Repairing machines or systems using the needed tools.

**Troubleshooting** - Determining causes of operating errors and deciding what to do about it.

**Operation and Control** - Controlling operations of equipment or systems.

## Postsecondary Education

Texas Southmost College	South Texas College	Texas State Technical College	The University of Texas at Brownsville	The University of Texas - Pan American

## Local Employers

Brownsville Irrigation	Brownsville	Weight & Test Solutions	San Benito
Brownsville Sheet Metal Works	Brownsville	Rio Grande Equipment CO	Harlingen
Hertz Equipment Rental	Brownsville	Main Integrated Handling	Harlingen
Sperry Marine Systems Inc	Brownsville	Burton Bearing & Ind Inc	Harlingen
Valley Fluids Management	Brownsville	Danners Cycle Sales Inc	Harlingen

## Career Options

(Specific Job Types)

- Maintenance Technician
- Machine Repairer
- Industrial Maintenance Millwright
- Mechanic
- Maintainer
- Oiler
- Maintenance Machinist
- Maintenance Mechanic
- Maintenance Worker
- Maintenance Electrician

## Salary Ranges

Wages for **Maintenance Workers, Machinery**

Location	Pay Period	2012				
		10%	25%	Median	75%	90%
United States	Hourly	\$12.08	\$15.35	\$19.53	\$24.62	\$29.24
	Yearly	\$25,100	\$31,900	\$40,600	\$51,200	\$60,800
Texas	Hourly	\$10.67	\$13.95	\$18.12	\$24.07	\$31.96
	Yearly	\$22,200	\$29,000	\$37,700	\$50,100	\$66,500
Brownsville-Harlingen, TX MSA	Hourly	\$8.21	\$9.22	\$14.93	\$21.94	\$27.37
	Yearly	\$17,100	\$19,200	\$31,100	\$45,600	\$56,900

## Professional Associations linked to the Careers

Not available at this time.

## Sources

The information provided in this document was collected from the following sources:

- Occupational Outlook Handbook (<http://www.bls.gov/ooh/>)
- O\*NET OnLine (<http://www.onetonline.org/>)
- Texas CARES (<http://www.texascaresonline.com/>)
- CareerOneStop (<http://www.careeronestop.org/>)



**Course Overview:** Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities.

# Maintenance Workers, Machinery

**Career Goal (O\*NET Code):** (49-9043) - Lubricate machinery, change parts, or perform other routine machinery maintenance. Excludes "Maintenance and Repair Workers, General".

**Student Name:** \_\_\_\_\_

**Grade:** \_\_\_\_\_

**School:** \_\_\_\_\_

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	(Local districts may list high school credit courses here)	<b>Curricular Experiences:</b> <a href="#">BEST Robotics, Inc</a> <a href="#">FIRST High School Robotics Competition</a> <a href="#">SkillsUSA</a> <a href="#">Technology Student Association</a> TSTC Summer Technology Camps UTB Summer Robotics Camp  <b>Career Learning Experiences:</b> Apprenticeship Career Preparation Internship Job Shadowing	<b>Extracurricular Experiences:</b> National Engineering Design Competition School Newspaper Student Government UIL Academic Competitions Yearbook  <b>Service Learning Experiences:</b> Campus Service Organizations Community Service Volunteer Habitat for Humanity Peer Mentoring / Peer Tutoring	
High School	9th	<b>Core Courses:</b>	English I Algebra I or Geometry Biology			World Geography Languages other than English I Physical Education
		<b>Career-Related Electives:</b>	Principles of Manufacturing			
	10th	<b>Core Courses:</b>	English II Geometry or Algebra II Chemistry			World History Languages other than English II
		<b>Career-Related Electives:</b>	Precision Metal Manufacturing or Welding			
	11th	<b>Core Courses:</b>	English III Algebra II or Pre-Calculus Physics/Principles of Technology I			United States History Professional Communications Languages other than English III
		<b>Career-Related Electives:</b>	Advanced Precision Metal Manufacturing or Advanced Welding			
12th	<b>Core Courses:</b>	English IV Precalculus/Engineering Mathematics/Calculus Engineering Design and Problem Solving	Government/Economics Fine Arts	<b>COLLEGE CREDIT OPPORTUNITIES -- High School</b>  Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated credit courses, if possible. List those courses that count for college credit on your campus.		
	<b>Career-Related Electives:</b>	Practicum in Manufacturing or Problems and Solutions or Career Preparation I				

**How to Become a Maintenance Workers, Machinery**  
 The education level and qualifications needed to enter these jobs vary depending on the industry and employer. Although a high school diploma is enough for most jobs, experience and extra training is needed for more advanced assembly work.

**Career Options:**

**Professional Associations:**

Postsecondary	<a href="#">Texas Southmost College</a> <a href="#">South Texas College</a> <a href="#">Texas State Technical College</a>		
	<a href="#">University of Texas at Brownsville</a>		<a href="#">University of Texas - Pan American</a>

- Maintenance Technician
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- Maintenance Mechanic
- Maintenance Electrician
- Mechanic
- Maintainer
- Oiler
- Maintenance Machinist
- Maintenance Worker

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2012. All plans meet high school graduation requirements as well as college entrance requirements.