



Work Process Schedule

Machine Repairer, Maintenance	
Job Description: Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.	
RAPIDS Code: 0292CB	O*NET Code: 49-9041.00
Estimated Program Length:	
Apprenticeship Type: <input checked="" type="checkbox"/> Competency-Based <input type="checkbox"/> Time-Based <input type="checkbox"/> Hybrid	

Suggested On-the-Job Learning Outline

Maintain work equipment or machinery.		
Competencies	Date Completed	Initial
A. Repair or maintain the operating condition of industrial production or processing machinery or equipment.		

Repair worn, damaged, or defective mechanical parts.		
Competencies	Date Completed	Initial
A. Repair or replace broken or malfunctioning components of machinery or equipment.		

Replace worn, damaged, or defective mechanical parts.		
Competencies	Date Completed	Initial
A. Repair or replace broken or malfunctioning components of machinery or equipment.		

Adjust equipment to ensure optimal performance.		
Competencies	Date Completed	Initial
A. Clean, lubricate, or adjust parts, equipment, or machinery.		

Clean equipment, parts, or tools to repair or maintain them in good working order.		
Competencies	Date Completed	Initial
A. Clean, lubricate, or adjust parts, equipment, or machinery.		

Disassemble equipment for maintenance or repair.		
Competencies	Date Completed	Initial
A. Disassemble machinery or equipment to remove parts and make repairs.		

Lubricate equipment to allow proper functioning.		
Competencies	Date Completed	Initial
A. Clean, lubricate, or adjust parts, equipment, or machinery.		

Inspect mechanical equipment to locate damage, defects, or wear.		
Competencies	Date Completed	Initial
A. Examine parts for defects, such as breakage or excessive wear.		

Reassemble equipment after repair.		
Competencies	Date Completed	Initial
A. Reassemble equipment after completion of inspections, testing, or repairs.		

Test mechanical equipment to ensure proper functioning.		
Competencies	Date Completed	Initial
A. Operate newly repaired machinery or equipment to verify the adequacy of repairs.		
B. Observe and test the operation of machinery or equipment to diagnose malfunctions, using voltmeters or other testing devices.		

Maintain repair or maintenance records.		
Competencies	Date Completed	Initial
A. Record repairs and maintenance performed.		

Order materials, supplies, or equipment.		
Competencies	Date Completed	Initial
A. Record parts or materials used and order or requisition new parts or materials, as necessary.		

Record information about parts, materials or repair procedures.		
Competencies	Date Completed	Initial
A. Record parts or materials used and order or requisition new parts or materials, as necessary.		

Observe equipment in operation to detect potential problems.		
Competencies	Date Completed	Initial
A. Observe and test the operation of machinery or equipment to diagnose malfunctions, using voltmeters or other testing devices.		

Analyze test or performance data to assess equipment operation.		
Competencies	Date Completed	Initial
A. Analyze test results, machine error messages, or information obtained from operators to diagnose equipment problems.		

Cut materials according to specifications or needs.		
Competencies	Date Completed	Initial
A. Cut and weld metal to repair broken metal parts, fabricate new parts, or assemble new equipment.		

Interpret blueprints, specifications, or diagrams to inform installation, development or operation activities.		
Competencies	Date Completed	Initial
A. Study blueprints or manufacturers' manuals to determine correct installation or operation of machinery.		

Operate welding equipment.		
Competencies	Date Completed	Initial
A. Cut and weld metal to repair broken metal parts, fabricate new parts, or assemble new equipment.		

Enter codes or other information into computers.		
Competencies	Date Completed	Initial
A. Enter codes and instructions to program computer-controlled machinery.		

Train others in operational procedures.		
Competencies	Date Completed	Initial
A. Demonstrate equipment functions and features to machine operators.		

Assign duties or work schedules to employees.		
Competencies	Date Completed	Initial
A. Assign schedules to work crews.		

Plan employee work schedules.		
Competencies	Date Completed	Initial
A. Assign schedules to work crews.		

Suggested Related Instruction Outline

Provider	
Name:	
Address:	
Email:	Phone Number:
Suggested Related Instruction Hours: X	

*CIP Code	Course Title	Contact Hours
47.0303	Industrial Mechanics and Maintenance Technology/Technician	
47.0701	Energy Systems Installation and Repair Technology/Technician	
47.0705	Hydroelectric Energy System Installation and Repair Technology/Technician	
47.0706	Geothermal Energy System Installation and Repair Technology/Technician	
Total		

*If related course number data are available, information displayed includes the Classification of Instructional Programs (CIP) code that best represents the field of study, course, or program. CIP provides a taxonomic scheme that supports the accurate tracking and reporting of educational programs. CIP is developed and maintained by the U.S. Department of Education.