**Maintenance Technician**

**APPRENTICESHIP APPROACH**

Time

**O\*NET-SOC CODE**

49-9041.00

**RAPIDS CODE**

0308

|  |  |  |
| --- | --- | --- |
| Work Process Schedule |  |  |
| **Totals** |  | **OJT HRS**  0 |

**Maintenance Technician**

**APPRENTICESHIP APPROACH**

Time

**O\*NET-SOC CODE**

49-9041.00

**RAPIDS CODE**

0308

|  |  |
| --- | --- |
| Related Instruction Online | **RSI HRS** |
| **Industrial Maintenance Academy: Course Outline**  1. Foundational Skills A. Technical/applied math B. Technical/applied physics C. Technical/applied measurement systems D. Soft skills 2. Maintenance Orientation A. Introduction to standards, best practices, benchmarking and regulations B. Hand tools C. Power tools D. Shop tools/machinery E. Ladders and tools at height F. Personal protective equipment G. Introduction to basic blueprint reading 3. Maintenance: Foundation and Basics A. Rigging B. Crane and hoist C. Scaffolding D. Forklifts E. Precision measurement F. Torque theory G. Fasteners/anchors H. Chemicals I. Bearings J. Gaskets 4. Core Competencies A. Electricity B. Hydraulics C. Pneumatics D. Mechanical E. Instrumentation/sensors F. Machining G. Sheet metal H. Lubrication 5. Industrial Safety A. OSHA 10 B. First aid, CPR and AED C. Fall protection D. Confined spaces E. Hazard communication standards and globally harmonized system F. Lockout/tagout G. Machine guarding 6. Industrial Systems A. Piping/valves B. Pumps C. Boilers D. Compressors E. Conveyors F. Motors G. Gearboxes H. Variable frequency drives I. Refrigeration J. Engines/generators 7. Maintenance Operations A. Preventative/predictive B. Management (TPM, CBM, ODM, etc.) C. Visual management - 5S D. Reactive E. Alignment F. Test equipment G. Thermography H. Vibration I. Ultrasound J. Troubleshooting K. Introduction to automation L. Introduction to PLC M. Introduction to mechatronics N. Scheduling, planning and coordination O. Inventory/warehouse operations and management | **330** |
| **Totals** | **RSI HRS**  330 |