

# WORKFORGE

# CAREER PATHWAYS

Effective skills development enables your employees to increase their knowledge and help them understand and improve how they do their jobs. With configurable training content, you can create a learning program specific to your unique needs.



# FOUNDATIONAL SKILLS

Transferable traits and abilities not specific to a single job or industry. These skills are consistently valuable and remain relevant despite changes in technology or market demands.

## PROFESSIONAL SKILLS

- Career Building
- Critical Thinking
- Customer Service
- Microsoft Office
- Stress Management
- Time Management

## PERSONAL DEVELOPMENT

- Career Building
- Critical Thinking
- Life Skills
- Personal Finances
- Study Skills

## CONTINUOUS IMPROVEMENT

- Problem Solving
- Project Management
- Lean Manufacturing
- Quality Skills
- Six Sigma

## HEALTH AND SAFETY (MICROMODULES)

- Introduction to OSHA
- Making Work a Safer Place
- Help! What to Do in an Emergency  
Preventing Sexual Harassment
- Introduction to Diversity, Equity, and  
Inclusion
- Personal Protective Equipment
- Eye and Face Protection
- Head Protection
- Foot and Leg Protection
- Hand and Arm Protection

- Body Protection
- Hearing Protection
- Respiratory Protection
- Hazardous Materials
- HazCom
- Hazardous Waste
- Hazardous Material Storage
- Work Area Safety
- Permit-Related Safety
- Fall Prevention
- Ladder Safety
- Electrical Safety
- Lockout/Tagout
- Fire Safety
- Fire Extinguisher
- Material Handling Basics
- Powered Industrial Trucks
- Crane and Rigging Safety
- Hand Tool Safety
- Power Tool Safety
- Metal and Compressed Gas Safety
- Machine Safety
- Safety Devices
- Sexual Harassment Guidelines for  
Supervisors
- Handling Dangerous Workplace  
Situations
- Workplace Discrimination and the EEOC



## **INDUSTRIAL MAINTENANCE FUNDAMENTALS**

### **GENERAL MECHANIC**

- Mathematics
- Geometry
- Measurement Tools
- Hand Tools
- Power Tools
- Tool-Making Skills
- Drill Bits
- Drill Guides and Drill Stops
- Countersinking Tools
- Threads, Taps and Dies
- Lubricants and Cutting Fluids
- Cutting Tools for Machining
- Fasteners

### **HYDRAULICS**

- Introduction to Hydraulics
- Components of a Hydraulic Systems

### **WELDER - PRODUCTION**

- Welding Skills
- Welding for NDE
- Weld Inspection Gauges
- Metal and Materials
- Welding Processes

### **PNEUMATICS**

- Introduction to Industrial Automation
- Process Control
- Introduction to Pneumatics  
Components of a Pneumatics System
- Pneumatic Applications

### **ELECTRICAL**

- Introduction to Electricity
- DC Electricity
- AC Electricity
- Solid State Electricity
- Introduction to Wiring
- Electrical Connectors

- Fiber Optics
- Sensor Technology
- Electrical Hand Tools
- Electrical Measurement Conversion
- Electrical Resistance Test Equipment
- Crimping Terminals and Splices
- Assembly of Coaxial Connectors

### **PLC**

- Introduction to Programmable Logic Controllers (PLC)
- Programmable Logic Controllers (PLC)

### **ROBOTICS**

- Robotics

### **LEADERSHIP**

- Essential Communication
- Leadership
- Team Building
- Problem Solving
- Supervisor Skills

### **LOGISTICS**

- Logistics



# FUNCTIONAL SKILLS

Specific competencies and technical knowledge required to perform specific tasks or jobs, e.g., machine operation or electrical work.

## FOOD SAFETY (MICROMODULES)

- Food Safety Standards
- Food Safety Culture
- BRCGS
- SQF 9 Food Safety Code
- Food Contamination Prevention
- Food Allergen Awareness
- Good Manufacturing Practices
- HACCP
- Corrective and Preventive Action
- Approved Suppliers
- Traceability
- Food Facility Defense
- Food Fraud
- Environmental Monitoring
- Personal Protective Equipment
- Bloodborne Pathogens
- Safety Data Sheets
- Globally Harmonized System (GHS)

## WELDING PRODUCTION

- Welding Skills
- Welding for NDE
- Weld Inspection Gauges
- Metals and Materials
- Blueprint Reading Fundamentals
- Advanced Blueprint Reading
- Welding Processes
- Wire Installation Drawings
- Geometric Dimensioning and Tolerancing

## PNEUMATICS

- Blueprint Reading Fundamentals
- Advanced Blueprint Reading
- Composite Engineering Drawings and Instructions
- Geometric Dimensioning and Tolerancing
- Fasteners
- Introduction to Pneumatics
- Components of a Pneumatics System
- Pneumatic Applications

## HYDRAULICS

- Blueprint Reading Fundamentals
- Blueprint Reading Fundamentals
- Advanced Blueprint Reading
- Composite Engineering Drawings and Instructions
- Geometric Dimensioning and Tolerancing
- Fasteners
- Introduction to Hydraulics
- Components of a Hydraulics System
- Introduction to Metal Forming

## PROGRAMMABLE LOGIC CONTROLLERS

- Basic
- Advanced

## ELECTRICAL

- Introduction to Electricity
- DC Electricity
- AC Electricity
- Solid State Electricity
- Introduction to Wiring
- Electrical Connectors



- Fiber Optics
- Sensor Technology
- Electrical Hand Tools
- Electrical Measurement Conversion
- Electrical Resistance Test Equipment
- Crimping Terminals and Splices
- Assembly of Coaxial Connectors
- Fasteners

## ROBOTICS

- Engineering Drawings
- Fasteners
- Introduction to Hydraulics
- Introduction to Industrial Controls
- Robotics
- Metals
- Measurement
- Introduction to Pneumatics
- Tool Making  
Introduction to Programmable Logic Controllers (PLC)
- Introduction to Industrial Automation
- Nondestructive Examination
- Engineering Drawings

## CNC MACHINIST

### CNC MACHINIST ONBOARDING

- Workplace Safety
- Personal Protective Equipment
- Fractions, Decimals, and Coordinates
- Quality Tooling
- Basics of CNC Machining
- Blueprint Reading
- Geometric Dimensioning and Tolerancing

### CNC FABRICATOR

- Fabrication Processes

### CNC LATHE OPERATOR

- Introduction to CNC Lathes  
Components of a CNC Lathe

- Auxiliary Systems
- Deburring
- Visual Testing
- Intermediate Lathe Operator
- Basic Machine Offsets
- Metal Cutting
- Lathe Tooling
- Indexable Tool Holders
- Solid Cutting Tools
- Lathe Setup
- CNC Programming

### CNC MACHINING CENTER OPERATOR

- Introduction to CNC Machining Centers
- Auxiliary Systems
- Deburring
- Visual Testing  
Components of a CNC Machining Center
- Basic Machine Offsets
- Metal Cutting
- Tooling
- Indexable Tool Holders
- Solid Cutting Tools
- Machining Center Setup
- CNC Programming

## INDUSTRIAL AUTOMATION AND PROCESS CONTROLS

- Introduction to Industrial Automation
- Process Controls

## INDUSTRIAL CONTROLS

- Introduction to Industrial Controls



## CONFIGURABLE TRAINING OPTIONS TO MEET YOUR NEEDS

### INDIVIDUAL PACKAGE

Access any single Functional or Foundational Pathway.

### PROFESSIONAL PACKAGE

Access to all the Foundational Skills Pathways.

### PREMIUM PACKAGE

Choose three options from both Foundational and Functional Skills Pathways.

### UNLIMITED PACKAGE

Full access to all Foundational and Functional Skills Pathways.

*Packages are per plant/site. LMS Platform, Custom Content and Tech Enablement are priced separately.*

# WORKFORGE

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