

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



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

- Introduction to Industrial Automation Process Controls
- 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

- Introduction to Industrial Automation Process Control
- 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 Connectorss
- 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

LAYOUT AND FABRICATION TECHNICIAN

- Aerospace Manufacturing
- Metal Forming
- Composites

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



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.

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