

# METALFORM

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## METALFORM

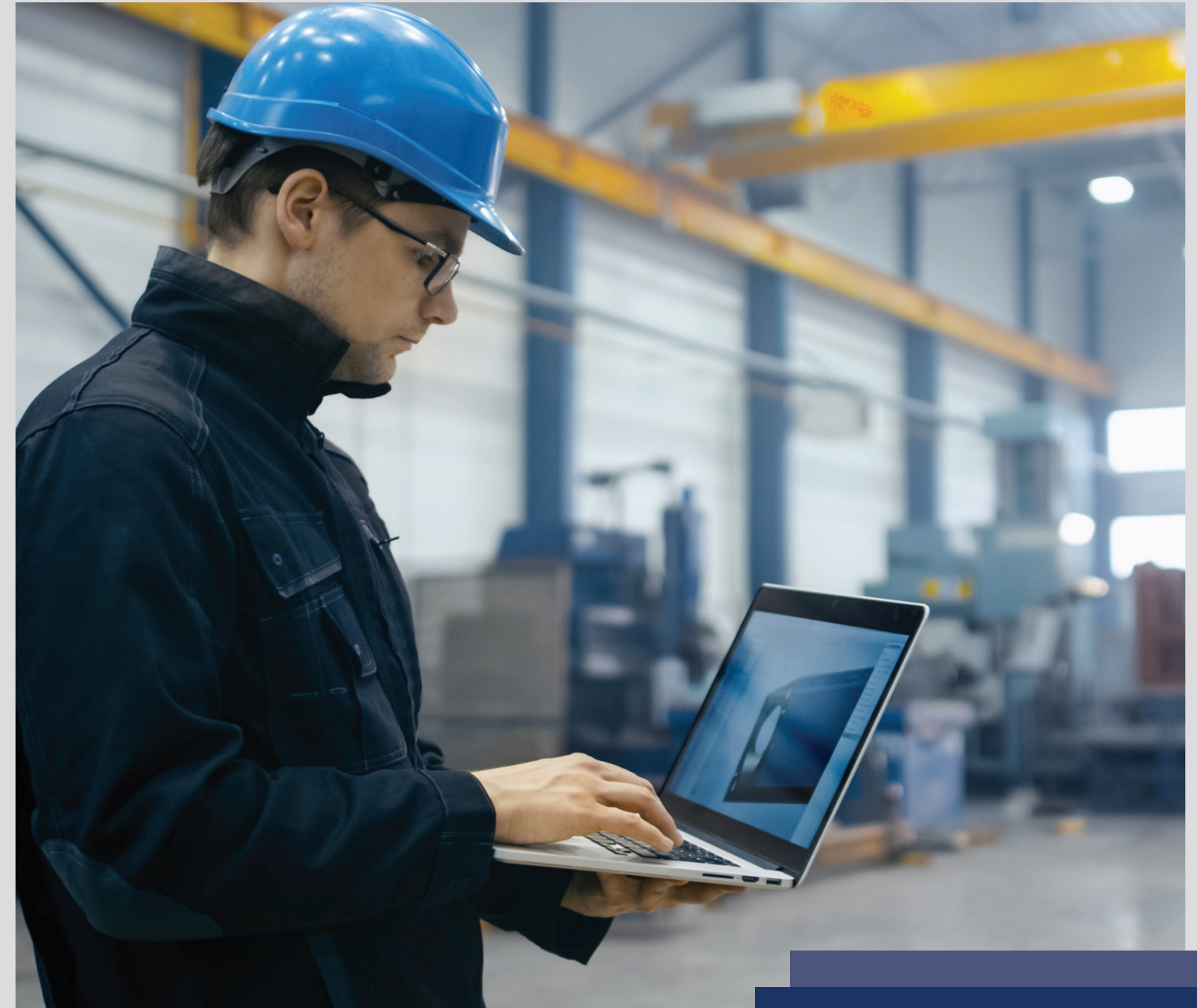


### WHY METALFORM EDU?

- Visible ROI and focus on your employee development
- Flexible learning with an easy-to-access site—available online, 24/7
- Access to more than 700 courses
- Cost-effective training customized for each employee
- Continuously growing library of courses

Visit [PMA.ORG/METALFORMEDU](https://PMA.ORG/METALFORMEDU) to start training your workforce today!

For questions, please contact **ERIN RIFFLE** at **216-901-8800** or [eriffle@pma.org](mailto:eriffle@pma.org).



## COURSE OVERVIEW



[PMA.org/METALFORMEDU](https://PMA.org/METALFORMEDU)

### **PMA-DEVELOPED COURSES**

- Press Shop Operations
- Die Setter
- Metal Spinning
- Lockout Tagout
- Economics for Manufacturing
- Occupational Aptitude and Knowledge Assessment
- \* All PMA courses available in Spanish

### **AEROSPACE MANUFACTURING SKILLS COURSES**

- Aircraft Familiarization
- Aerospace Sealing and Safety
- Aerospace Electrical Bond and Ground
- Aerospace Wire Bundle Basics
- Aircraft Systems
- Basic Drilling and Riveting
- Installing Advanced Fasteners Project
- Countersinking and Flush Riveting Project
- 90 Degree Drilling Project
- Drilling Titanium
- Wing Structure Project
- Fuselage Skin Assembly
- Sealant Applicant Processes Mechanical Project
- Aerospace Electrical Bond and Ground Project
- Aerospace Wire Bundle Installation Project

### **AUTOMATION COURSES**

- Introduction to Industrial Automation
- Process Controls

### **CAREER BUILDING COURSES**

- Job Skills
- Personal Branding
- Manufacturing as a Career
- Interpersonal Communications
- Conflict Resolution
- Technical Writing

### **CNC MACHINING COURSES**

- Introduction to Machining
- CNC Horizontal Lathe
- CNC Vertical Machining Center
- CNC Machine Lubricants
- CNC Horizontal Lathe Applications
- CNC Lathe Programs
- CNC Vertical Machining Center Applications
- CNC Machining Center Programs

### **COMMUNICATION SKILLS COURSES**

- Communicating with Others
- Dealing with Conflict
- Technical Writing

### **COMPOSITES COURSES**

- Introduction to Composites
- Composites Manufacturing Facilities
- Materials Used in Composites Manufacturing
- Composite Material Storage
- Tools Used in Composite Manufacturing
- Composite Material Kitting
- Composite Part Layup and Bagging
- Inspecting Composites Parts
- Composite Part Damage and Repair
- Composite Layup Projects
- Drilling Composites Project
- Composite Part Damage and Repair Project

### **CUSTOMER SERVICE COURSES**

### **CUTTING TOOLS COURSES**

- Drill Bits
- Drill Guides and Drill Stops
- Countersinking Tools
- Threads, Taps and Dies
- Lubricants and Cutting Fluids
- Cutting Tools for Metalworking

### **DIVERSITY SKILLS COURSES**

### **ELECTRICAL COURSES**

- Introduction to Electricity
- DC Electricity
- AC Electricity
- Solid State Electricity
- Introduction to Wiring
- Introduction to Electric Motors
- Electrical Connectors
- Fiber Optics
- Sensor Technology
- Electrical Hand Tools
- Electrical Measurement Conversion
- Electrical Resistance Test Equipment
- Crimping Terminals and Splices
- Assembly of Coaxial Connectors

### **ENGINEERING DRAWING COURSES**

### **FASTENERS COURSES**

### **HAND TOOLS COURSES**

### **HYDRAULICS COURSES**

- Introduction to Hydraulics
- Components of a Hydraulics System

### **LEAN MANUFACTURING COURSES**

- Lean Principles
- Workplace Organization

### **LOGISTICS COURSES**

### **MACHINING SKILLS COURSES**

- Introduction to Machining
- Introduction to Milling and Drilling
- Introduction to Grinding

### **MANUFACTURING COURSES**

- Introduction to Manufacturing
- Engineering Processes

### **MATERIALS COURSES**

### **MATHEMATICS COURSES**

- Basic Math
- Cartesian Coordinates
- The Metric System
- Geometry
- Time
- Money

### **MEASUREMENT COURSES**

- Precision Measurement Tools
- Fastener Inspection Gauges
- Weld Gauges

### **METAL CUTTING SKILLS COURSES**

- Introduction to Abrasive Waterjet Cutting
- Introduction to Laser Cutting
- Introduction to Electrical Discharge Machining

### **METALWORKING SKILLS COURSES**

### **MICROSOFT OFFICE COURSES**

### **NON-DESTRUCTIVE EXAMINATION (NDE) COURSES**

- Introduction to Non-Destructive Examination Commercial
- Introduction to Non-Destructive Examination
- Visual Testing Commercial

### **PERSONAL FINANCES COURSES**

### **PNEUMATICS COURSES**

- Introduction to Pneumatics
- Components of a Pneumatic System

### **POWERTOOLS COURSES**

- Hand Power Tools
- Stationary Power Tools

### **PROGRAMMABLE LOGIC CONTROLLERS COURSES**

### **PROJECT MANAGEMENT COURSES**

### **QUALITY ASSURANCE COURSES**

- Quality Systems
- Introduction to Statistical Process Control
- Advanced Statistical Process Control
- Management

### **ROBOTICS COURSES**

### **SAFETY COURSES**

- Introduction to Safety
- Personal Protective Equipment Safety
- Hazardous Material Safety
- Workplace Safety
- Electrical and Fire Safety
- Material Handling Safety
- Tool and Machine Safety

### **SIX SIGMA COURSES**

- Six Sigma and the Organization
- Six Sigma Define
- Six Sigma Measure
- Six Sigma Analyze
- Six Sigma Improve and Control

### **STRESS MANAGEMENT COURSES**

### **STUDY SKILLS COURSES**

### **TEAM BUILDING COURSES**

- Group Dynamics
- Teamwork and Training

### **TIME MANAGEMENT COURSES**

### **TOOL MAKING COURSES**

### **WELDING COURSES**