Core Industrial Skills

IN PARTNERSHIP WITH VectorSolutions

Advanced Manufacturing– A New Way to Learn

BUILD A SMARTER, SAFER WORKFORCE

Invest in your employees by giving them the right foundational knowledge and skills to jumpstart their career development. These 90+ industrial skills training courses cover key aspects of industrial manufacturing equipment and preventative maintenance procedures. Courses are intended for plant operators and other employees working in industrial settings.

FLEXIBLE AND CONVENIENT

Online classes are self-paced, typically taking 15-30 minutes to complete. They are easily and conveniently accessible on desktops, laptops, tablets and phones.

In-Demand Manufacturing Topics

Offer training in the areas needed most by modern manufacturers. Each program features a series of classes covering the foundational and critical content that will make the most impact for your organization.

- Automatic Identification & Data Collection
- Blueprints, Schematics, and Diagrams
- Computer Basics
- Equipment and Tools
- Industrial Materials
- Math Concepts
- Operator Responsibilities
- Rigging and Lifting
- Science Concepts
- Troubleshooting
- Welding

ONLINE TRAINING OFFERS

- Content developed by industry experts
- Accessible anytime, anywhere
- Self-paced
- Predefined curriculum for each job role
- Engaging and interactive content
- Pre- and post-training knowledge assessments
- Guidance from our Client Success team, including advice, insights, and ideas built on best practices and years of experience

For more information on manufacturing training content, contact your BizLibrary representative today!

Core Industrial Skills Course Catalog

BIZ LIBRARY

Industrial Skills

Automatic Identification and Data Collection

- RFID Basics
- RFID Implementation
- Scanning and Tracking Overview
- RFID Tags
- RFID Readers
- RFID Applications

Blueprints, Schematics, and Diagrams

- Diagrams: Blueprints
- Diagrams: Industrial Process Systems
- Diagrams: Piping and Instrumentation
- Process and Instrumentation Diagrams
- Electrical Drawings and Schematics
- Blueprint Basics
- Symbols, Standards, and Schematics

Computer Basics

- Networks: Fiber Optic Systems
- Networks: Setting Up and Troubleshooting
- Networks Introduction
- Logic Technology, Logic Functions, Sequential Logic, and Analog Conversion
- Databases, Spreadsheets, and Word Processing
- Buses and Storage
- Input and Output Devices

Equipment and Tools

- Forklifts: Operation
- Hand Tools, Part 1
- Hand Tools, Part 2
- Auxiliary Vessels
- Portable and Emergency Equipment
- Table Saw Basics
- Table Saw Operations
- Fastener Basics
- Wrenches and Hammers
- Clamps, Blades, Saws, and Bits
- Precision Measuring Tools

Industrial Materials

- Plastic and Rubber Basics
- Painting and Coating Basics
- Wood and Insulation Basics

Math Concepts

- Math: Basics
- Industrial Math: Algebra
- Industrial Math: Basic Operations, Part 1
- Industrial Math: Basic Operations, Part 2
- Industrial Math: Formulas, Graphs, and Trends
- Boolean Algebra, Part 1
- Boolean Algebra, Part 2
- Boolean Algebra, Part 3
- Mathematics - Number Bases and Powers of Ten
- Measurement - Dimensions
- Mathematics - Percentages and Fractions

Operator Responsibilities

- Operator Responsibilities: Communication
- Operator Responsibilities: Trends, Maintenance, and Emergencies
- Operator Responsibilities: Advanced Operator Responsibilities
- Operator Responsibilities: Basic Operator Responsibilities
- Operations: Basic Principles
- Operator Responsibilities: Introduction
- Operator Responsibilities: Plant Production and Safety

Rigging and Lifting

- Advanced Rigging, Part 1
- Advanced Rigging, Part 2
- Rigging: Basic Lifting
- Rigging: Ladders and Scaffolds
- Basic Rigging, Part 1
- Basic Rigging, Part 2

Science Concepts

- Chemistry: Basic Principles, Part 1
- Chemistry: Basic Principles, Part 2
- Chemistry: Material Balancing
- Chemistry: Reaction Rates
- Plant Science: Fluid Systems

For more information about BizLibrary's content, please contact your account representative.

Industrial Skills (continued)

Plant Science: Gases and Flowing Liquids
Plant Science: Forces and Machines
Plant Science: Solids and Liquids
Fundamentals of Process Solubility
Process Chemistry
Physics Basics
Matter States and Temperature
Basic Machines and Motion
Plant Science: Heat
Plant Science: Heat Transfer
Plant Science: Process Dynamics and Measurement

Troubleshooting

Problem Solving Strategies
General Troubleshooting Strategies

Welding

Arc Welding Basics
Hot Metal Cutting Processes
Arc Welding Processes
Metal Fabrication
Oxyacetylene Welding Equipment and Safety
Metals - Physical Properties and Types
Metals - Identifying Steel and Iron

Mechanical Maintenance

Geometric Dimensioning and Tolerancing (GD&T)

Geometric Dimensioning and Tolerancing (GD&T): Introduction
Geometric Dimensioning and Tolerancing (GD&T): Form and Size Tolerances
Geometric Dimensioning and Tolerancing (GD&T): Datum Selection and Interpretation
Geometric Dimensioning and Tolerancing (GD&T): Orientation Tolerances
Geometric Dimensioning and Tolerancing (GD&T): Position Tolerances
Geometric Dimensioning and Tolerancing (GD&T): Profile and Runout Tolerances