

Benefits of Training with Iowa Central

- Affordable Cost
- Experienced Trainers
- Flexible Training Facilities
 - We'll come to you for on-site training.
 - Access to Iowa Central's main campus facilities.
 - Training facilities at Iowa Central's East Campus.

Training Program

The Manufacturing training program is specialized in order to fit your business' needs. Select from any of the following areas for your training or we can customize classes to fit your needs.

- Introduction to Lathe Operations
- Advanced Lathe
- Blueprint Reading
- Shop Operations
- Geometric Tolerance
- Introduction to Mill Operations
- Advanced Mill Operations
- Introduction to CNC
- Introduction to AutoCAD
- Machine Processes 1
- Machine Processes 2
- Precision Measurements Lab
- Technical Mathematics 1
- Technical Mathematics 2

View more details for each of these areas on the back of this sheet.

Call us to get started!

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Training Menu

Introduction to Lathe Operations

- Function of the engine lathe
- Application of the engine lathe
- Use engine lathe
- Safety
- Turning
- Drilling
- Reaming
- Boring
- Thread cutting
- Tooling

Advanced Lathe

- Turning
- Drilling
- Reaming
- Boring
- Internal thread cutting
- Knurling
- Taper turning

Blueprint Reading

- Symbolic machining
- Communicate symbolically using standard industry representations

Shop Operations

- Shop safety
- Basics of metal shop work
- Proper use of hand tools
- Maintenance of tools and equipment
- Fasteners

Geometric Tolerance

- Fundamentals
- Interpretation & Application

Introduction to Mill Operations

- Safe use of the vertical-milling machine
- Operation of vertical-milling machine
- Machine set-up
- Machining of square parts
- Parallel machining
- Milling of holes

Advanced Mill Operations

- Angle Milling
- Forms
- Special Operations
- Horizontal milling machine

Introduction to CNC

- Fundamentals
- CNC Programming
- Safety
- Tooling
- Set-up
- Machine Operation
- G & M Codes

Introduction to Auto CAD

- Create and change drawing objects
- Manipulate the drawing
- Compare methods and techniques
- Save and print drawing

Machine Processes 1

- Drill Press
- Surface Grinders
- Band Saws
- Files
- Hacksaws

Machine Processes 2

- Drill Press operation
- Surface Grinders
- Band Saws
- Hand tools
- Machine shop equipment

Precision Measurements Lab

- Machinist rules
- Micrometers
- Digital micrometers
- Vernier height gauges

Technical Mathematics 1

- Teach basic mathematical skills
- Apply mathematical concepts

Technical Mathematics 2

- Advanced mathematical skills

Customized Training
