



Tooling University provides products and services that address some of the most critical skill and capability requirements of today's global manufacturing workforce.

Assess your training needs and identify knowledge gaps using pre-training diagnostic tools.

Train your employees using job-related class content in a self-paced, interactive learning environment.

Measure the improvement in your employees' knowledge and skills with powerful administrative tools and reports.

The National Institute for Metalworking Skills (NIMS) is a leading manufacturing organization that sets skills standards designed to develop and maintain a globally competitive American workforce. NIMS has developed skills standards in 24 operational areas covering a wide range of metalforming and machining disciplines. NIMS also offers certifications through its credentialing program verifying that individuals have met both performance and theory requirements in manufacturing. This job title brings together all training material relating to NIMS certifications.

Number of classes:

66

This program contains all of the classes below:

- What Is Grinding? 110
- Grinding Processes 120
- Grinding Variables 200
- Grinding Wheel Materials 210
- Dressing and Truing 230
- History and Definition of CNC 100
- Overview of Threaded Fasteners 117
- Overview of Non-Threaded Fasteners 125
- Basic Measurement 110
- Surface Measurement 140
- Overview of Threads 150
- Hole Inspection 240
- Thread Inspection 250
- Basics of the Manual Mill 110
- Basics of the Engine Lathe 115
- Overview of Manual Mill Setup 200
- Overview of Engine Lathe Setup 205
- Benchwork and Layout Operations 210
- Manual Mill Operation 220
- Engine Lathe Operation 225
- Holmaking on the Mill 230
- Threading on the Engine Lathe 235
- Mechanical Properties of Metal 120
- Metal Classification 150
- Lubricant Fundamentals 130
- Safety for Metal Cutting 115
- Machines for Metal Cutting 130
- Cutting Processes 140
- Cutting Variables 200
- Cutting Fluids 210
- Cutting Tool Materials 220
- Milling Geometry 245
- Drill Geometry 247
- Speed and Feed Selection 300
- Lean Manufacturing Overview 130
- SPC Overview 210
- Intro to OSHA 100
- Fire Safety and Prevention 110
- Personal Protective Equipment 120
- Lockout/Tagout Procedures 130
- Safety for Lifting Devices 135
- Hand and Power Tool Safety 145
- Environmental Safety Hazards 150
- Flammable/Combustible Liquids 155
- MSDS and Hazard Communication 160
- Metalworking Fluid Safety 165
- Walking and Working Surfaces 180
- Math: Fundamentals 100
- Math: Fractions and Decimals 105
- Math: Units of Measurement 115
- Basics of Tolerance 120
- Blueprint Reading 130
- Geometry: Lines and Angles 155
- Geometry: Triangles 165
- Shop Geometry Overview 170
- Geometry: Circles and Polygons 185
- Shop Trig Overview 210
- Trig: Sine, Cosine, and Tangent 215
- Trig: Sine Bar Applications 225
- Interpreting Blueprints 230
- Press Basics 110
- Stamping Safety 115
- Coil Handling Equipment 140
- Die Cutting Variables 200
- Monitoring Press Operations 220
- Chucks, Collets, and Vises 110