

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

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General maintenance and repair workers are responsible for maintaining and fixing a wide range of building systems and mechanical equipment. This position requires a broad knowledge of electrical systems and wiring, fluid systems and plumbing, mechanical drives and machines, hand tools and fasteners, and print reading. General maintenance and repair workers also benefit from learning preventive maintenance and similar approaches.

**This program contains all of the 57 classes below:**

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  - What Is Grinding? 110
  - Grinding Processes 120
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  - Electrical Units 110
  - Intro to Circuits 120
  - Intro to Magnetism 130
  - DC Circuit Components 140
  - Series Circuit Calculations 200
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  - Intro to Assembly 100
  - Safety for Assembly 105
  - Intro to Fastener Threads 110
  - Overview of Threaded Fasteners 117
  - Tools for Threaded Fasteners 120
  - Overview of Non-Threaded Fasteners 125
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  - Intro to Fastener Ergonomics 130
  - Basic Measurement 110
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  - Intro to Materials 100
  - Structure of Metals 110
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  - Quality Overview 100
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  - Intro to OSHA 100
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  - Fire Safety and Prevention 110
  - Bloodborne Pathogens 115
  - Personal Protective Equipment 120
  - Lockout/Tagout Procedures 130
  - Safety for Lifting Devices 135
  - Machine Guarding 140
  - Hand and Power Tool Safety 145
  - Environmental Safety Hazards 150
  - MSDS and Hazard Communication 160
  - Metalworking Fluid Safety 165
  - Noise Reduction and Hearing Conservation 170
  - Walking and Working Surfaces 180
  - Confined Spaces 190
  - Respiratory Safety 195
  - Powered Industrial Truck Safety 210
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  - 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
  - Geometry: Circles and Polygons 185
  - Shop Algebra Overview 200
  - Trig: Pythagorean Theorem 205
  - Shop Trig Overview 210
  - Trig: Sine, Cosine, and Tangent 215
  - Interpreting Blueprints 230
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