



3-Year Ironworking Apprenticeship Outline

Level One

- Introduction to the Trade
- Trade Safety
- Tools and Equipment of the Trade
- Fastening
- Mobile Construction Cranes
- Rigging Equipment
- Rigging Practices
- Trade Drawings One
- Structural Ironworking One
- Plumbing, Aligning, and Guying
- Oxyfuel Cutting
- Introduction to AR Welding
- Bar Joist and Girders
- Metal Decking
- Field Fabrication
- Means and Methods Access
- Material Handling and Storage

Level Two

- Trade Math
- Weld Quality
- Position Arc Welding
- Forklifts
- Trade Drawings Two
- Intermediate Rigging
- Structural Ironworking Two
- Steel Joists and Girders
- Tower Cranes
- Survey Equipment Use and Care One

Level Three

- Applied Trade Math
- Flux Core for Ironworking
- Stud Welding
- Structural Ironworking Three
- Advances Rigging
- Precast/Tilt-up Erection
- Special Application Histing Devices
- Survey Equipment Use and Care
- Pre-Engineered Systems
- Miscellaneous/Ornamental Ironworking
- Grating and Checkered Plate
- Air Carbon Arc Cutting and Gorging
- Demolition