

4-Year Carpentry Apprenticeship Outline

Level One

- Core Basic Safety
- Core Basic Math
- Core Intro to Hand Tools
- Core Intro to Power Tools
- Core Intro to Blueprints
- Core Basic Rigging
- Orientation to the Trade
- Wood Building Materials, Fasteners and Adhesives
- Hand and Power Tools
- Intro to Light Equipment
- Intro to Concrete Construction and Finishing
- Safety Requirements
- Properties of Concrete Part 1
- Tools and Equipment
- Floor Systems
- Wall and Ceiling Framing
- Preparing for Placement
- Placing Concrete
- Roof Framing
- Windows and Exterior Doors
- Finishing, Part 1
- Curing and Protecting Concrete
- Introduction to Troubleshooting
- Basic Stair Layout

Level Two

- General Commercial Drawing
- Roofing Application
- Thermal and Moisture Protection
- Exterior Finishing
- Framing with Metal Studs
- Drywall One – Installation
- Drywall Two – Finishing
- Interior Finish One – Doors
- Interior Finish Two – Suspended Ceilings
- Interior Finish Three - Window, Door, Floor and Ceiling Trim
- Interior Finish Four – Cabinet Installation

- Properties of Concrete Part 2
- Estimating Concrete
- Forming
- Site Concrete
- Architectural Finished
- Industrial Floors

Level Three

- Rigging Equipment
- Rigging Practices
- Properties of Concrete Part 3
- Reinforcing Concrete
- Handling and Placing Concrete
- Trenching and Excavation
- Foundations – Slabs on Grade
- Vertical Formwork
- Horizontal Formwork
- Tilt Up Wall Panels
- Super Flat Floors
- Surface Treatments

Level Four

- Quality Control
- Making Repairs
- Site Layout II: Angular Measurement
- Advanced Roof Systems
- Advanced Floor Systems
- Advanced Wall Systems
- Advanced Stair Systems
- Welding
- Metal Building
- Intro to Project Management and Supervision