

# CARPENTRY (CARP)

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**CARP 101 Foundations in Carpentry 4 Credit Hour(s)**

**Prerequisite:** CRFT 101 (may be taken concurrently)

Foundations in Carpentry is a practical course combining lecture and hands-on instruction. Topics addressed include: Orientation to the Trade; Building Materials, Fasteners, and Adhesives; Hand and Power Tools; Introduction to Construction Drawings, Specifications, and Layout; Floor Systems; Wall Systems; Ceiling Joist and Roof Framing; Introduction to Building Envelope Systems; Basic Stair Layout.

**Offered:** Resident

**CARP 201 Intermediate Carpentry 4 Credit Hour(s)**

**Prerequisite:** CARP 101 and CRFT 101

Intermediate Carpentry is a practical course combining lecture and hands-on instruction. Topics include: Commercial Drawings; Roofing Applications; Thermal and Moisture Protection; Exterior Finishing; Cold-Formed Steel Framing; Drywall Installation; Drywall Finishing; Doors and Door Hardware; Suspended Ceilings; Window, Door, Floor and Ceiling Trim; Cabinet Installation.

**Offered:** Resident

**CARP 301 Advanced Carpentry 4 Credit Hour(s)**

**Prerequisite:** CARP 201 and CRFT 101

Advanced Carpentry is a practical course combining lecture and hands-on instruction. Topics include: Rigging Equipment; Rigging Practices; Properties of Concrete; Reinforcing Concrete; Handling and Placing Concrete; Trenching and Excavating; Foundations and Slab-on-Grade; Vertical Formwork; Horizontal Formwork; Tilt-Up Wall Panels.

**Offered:** Resident

**CARP 401 Special Topics in Carpentry 4 Credit Hour(s)**

**Prerequisite:** CARP 301 and CRFT 101

Special Topics in Carpentry is a practical course combining lecture and hands-on instruction. Topics include: Site Layout One-Differential Leveling, Site Layout Two- Angular and Distance Measurement, Advanced Roof Systems, Advanced Wall Systems, Advanced Stair Systems, Intro to Construction Equipment, Intro to OxyFuel Cutting and Arc Welding, Site Preparation, and Fundamentals of Crew Leadership.

**Offered:** Resident