UTAH SYSTEM OF HIGHER EDUCATION

Utah System of Higher Education
Carpentry Fundamentals
FY2027 / 6 Credits (180 Clock-Hours)

Foundational Courses

TECO 1010 Introduction to Construction — 2 Credits / 60 Clock-Hours

The Introduction to Construction teaches site safety, construction math, proper material handling, hand and power tool identification and use, workplace habits and attitudes. This course describes construction drawings and builds communication and employability skills needed in the workplace.

Objectives:
- Demonstrate proper workplace and job site safety.
- Demonstrate proper use of hand and power tools.
- Demonstrate proper equipment and hazardous material handling.
- Describe various types of construction drawings.
- Use whole numbers, fractions, and decimals in mathematical equations as they pertain to job site tasks.
- Demonstrate positive workplace behaviors and communication skills to promote a successful construction team.

TECO 1020 Carpentry Concepts — 4 Credits / 120 Clock-Hours

The Carpentry Concepts course teaches the uses of various fasteners, proper use of carpentry tools, interpretation of blueprints, material take-offs, and basic carpentry concepts.

Objectives:
- Describe building materials used in construction work.
- Identify hand tools and power tools operations, with care and maintenance.
- Define techniques for reading and using construction drawings and specifications.
- Demonstrate procedures for framing and layout of a residential building.
- Define the concept of the building envelope and its components.