

# CARPENTRY FUNDAMENTALS - CERTIFICATE OF COMPLETION

BLDN 3003	CONSTRUCTION LAYOUT, FOUNDATIONS, AND FRAMING	0
BLDN 3004	CONSTRUCTION ENCLOSURE AND FINISHING	0

Top Code:

0952.10

The Carpentry Fundamentals program provides students with a comprehensive foundation for entry into the construction and building trades, including pathways to union-affiliated apprenticeship programs. Through a sequence of hands-on, noncredit courses, students gain essential knowledge in construction safety, tool use, trade awareness, and basic carpentry and building skills aligned with current industry standards. The program introduces Occupational Safety and Health Administration (OSHA) regulations, construction site safety protocols, and emergency response training, including CPR and First Aid. Using real-world scenarios and lab-based activities, students practice core competencies such as measurement and layout, framing, foundations, building enclosure, finishing techniques, and the safe operation of hand and power tools. This program is designed for individuals seeking preparation for union apprenticeship programs, pre-apprenticeship opportunities including those in partnership with the Western States Regional Council of Carpenters or entry-level employment in the construction trades.

A Certificate of Completion is awarded upon completion of all required courses.

## Program Outcomes

- Apply OSHA 29 CFR 1926 safety standards and demonstrate safe work practices in simulated carpentry environments.
- Identify and respond to construction site hazards, including proper use of personal protective equipment (PPE) and understanding of Safety Data Sheets (SDS) and GHS pictograms.
- Demonstrate basic carpentry skills in framing, foundations, and layout through hands-on lab activities.
- Describe the roles, structures, and benefits of unionized carpentry trades, and articulate pathways to apprenticeship and career advancement.
- Communicate and collaborate effectively in team-based work environments, demonstrating reliability, professionalism, and respect for diversity in the trades.
- Develop a personalized career and training plan aligned with their interests, aptitudes, and entry into union pre-apprenticeship programs or the construction workforce.

## Required Courses

Code	Title	Units
BLDN 2300	INTRODUCTION TO OCCUPATIONAL SAFETY AND HEALTH FOR THE BUILDING TRADES	0
BLDN 3002	INTRODUCTION TO CARPENTRY AND CONSTRUCTION FUNDAMENTALS	0