

Construction Technology 3 & 4
Scope & Sequence: Year 2

Semester 1		Semester 2	
Quarter 1	Quarter 2	Quarter 3	Quarter 4
<p>Technical Standards: 1.0 Professional Standards: 1.0, 4.0</p> <p>Unit 1</p> <p>Basic Safety</p> <ul style="list-style-type: none"> Maintain a safe work environment. <p>*SP/2 Completion</p> <p>Technical Standards: 4.0 Professional Standards: 1.0, 3.0, 9.0</p> <p>Unit 2</p> <p>Blueprints and Plans</p> <ul style="list-style-type: none"> Use plans, specifications and codes. <p>Technical Standards: 5.0 Professional Standards: 2.0, 4.0, 5.0, 7.0</p> <p>Unit 3</p> <p>Lay Out Building Lines</p> <ul style="list-style-type: none"> Establish building lines and recognize trade-specific layout. Demonstrate leveling procedures to determine site and building elevations. 	<p>Technical Standards: 7.0 Professional Standards: 2.0, 4.0, 5.0, 7.0</p> <p>Unit 4</p> <p>Lay Out/Install Floor Systems</p> <ul style="list-style-type: none"> Identify floor system components. Describe procedure for setting posts. Describe/use the fasteners used in floor systems. Lay out and construct floor systems. <p>Technical Standards: 8.0, 9.0 Professional Standards: 2.0, 4.0, 5.0, 7.0</p> <p>Unit 5</p> <p>Demonstrate Wall and Ceiling Framing</p> <ul style="list-style-type: none"> Lay out wall lines. Assemble wood and metal stud walls. Cut and install ceiling joists. Calculate materials required to frame walls and ceilings. Install roof sheathing and coverings. 	<p>Technical Standards: 11.0 Professional Standards: 2.0, 4.0, 5.0, 7.0</p> <p>Unit 6</p> <p>Apply Exterior Finishes</p> <ul style="list-style-type: none"> Demonstrate installation of exterior stucco finish. Install various types of siding/exterior trim. Install soffits. Install door and window systems. <p>Technical Standards: 11.0 & 15.0 Professional Standards: 2.0, 4.0, 5.0, 7.0</p> <p>Unit 7</p> <p>Install Interior Trim, Stairs, Wall & Ceiling Finish</p> <ul style="list-style-type: none"> Lay out and cut stringers. Build a small stair unit. Identify types and use of drywall. Demonstrate proper techniques for cutting & fastening drywall. Apply, mud, tape, and corner bead. <p>*Technical Skills Assessment Industry Certification Testing</p>	<p>Technical Standards: 16.0 Professional Standards: 2.0, 4.0, 5.0, 7.0</p> <p>Unit 8</p> <p>Perform Concrete Work</p> <ul style="list-style-type: none"> Describe components of concrete. Prepare, pour, and finish concrete. Demonstrate proper use of concrete tools. <p>Technical Standards: 1.0 Professional Standards: 1.0, 3.0, 4.0</p> <p>Unit 9</p> <p>OSHA 10</p> <ul style="list-style-type: none"> Understand and demonstrate knowledge of safety in construction. <p>*OSHA 10 Completion *NCCER Carpentry Level 1</p>