



Level One

MODULE 28101-04 – INTRODUCTION TO MASONRY

Task Number	Item	Date(s)	Recorded By
1	Put on eye protection, respiratory protection, and a safety harness.		
2	Demonstrate the ability to properly use a trowel to spread and furrow bed joints and butter head joints.		

MODULE 28102-04 – MASONRY TOOLS AND EQUIPMENT

Task Number	Item	Date(s)	Recorded By
1	Identify masonry hand and power tools.		
2	Assemble and disassemble scaffolding under the supervision of a competent person, according to federal safety regulations.		

MODULE 28103-04 – MEASUREMENTS, DRAWINGS, AND SPECIFICATIONS

Task Number	Item	Date(s)	Recorded By
1	Use a mason's rule to measure a space and calculate its volume.		
2	Use a mason's rule to measure a space and estimate the number of bricks to build a wall across it.		
3	Interpret information on blueprints.		

MODULE 28104-04 – MORTAR

Task Number	Item	Date(s)	Recorded By
1	Properly set up the mortar mixing area.		
2	Properly mix mortar by hand		
3	Properly mix mortar with a mechanical mixer.		

MODULE 28105-04 – MASONRY UNITS AND INSTALLATION TECHNIQUES

Task Number	Item	Date(s)	Recorded By
1	Lay a dry bond.		
2	Accurately cut masonry units with a brick set and masonry hammer, a block set and mash, and a masonry hammer, power saw, and splitter.		
3	Spread, edge, and furrow bed joints.		
4	Butter bricks and blocks and place them on a bed joint.		
5	Lay masonry units in courses that are true for height, level, plumb, and straightness.		
6	Build a racking corner lead.		
7	Lay masonry units to the line.		

Level Two

MODULE 28201-05 – RESIDENTIAL PLANS AND DRAWING INTERPRETATION

Task Number	Item	Date(s)	Recorded By
1	From a plan, calculate the square footage of one elevation, including openings.		
2	Estimate the amount of brick and mortar from that same elevation.		
3	Estimate the size and number of lintel block for that same elevation.		

MODULE 28202-05 – RESIDENTIAL MASONRY

Task Number	Item	Date(s)	Recorded By
1	Lay out and construct a set of steps with three risers.		
2	Lay out and construct a 5-foot by 7-foot brick patio section.		

MODULE 28203-05 – GROUT AND OTHER REINFORCEMENT

Task Number	Item	Date(s)	Recorded By
1	Place grout in a hollow block wall and rod in place.		
2	Pour grout for a two-lift pour.		

MODULE 28204-05 – METAL WORK IN MASONRY

Task Number	Item	Date(s)	Recorded By
1	Install a knockdown door frame in a 2- or 3-course brick wall.		
2	Install a slip sill.		
3	Lay one wythe of brick against one side of the frame.		
4	Install hardware cloth unit ties in every other course.		

MODULE 28205-05 – ADVANCED LAYING TECHNIQUES

Task Number	Item	Date(s)	Recorded By
1	Lay a wythe of brick against a block wythe or wood frame to make a composite wall. Use ties and a collar joint.		
2	Lay out specialty structures and arches.		

MODULE 28206-05 – CONSTRUCTION TECHNIQUES AND MOISTURE CONTROL

Task Number	Item	Date(s)	Recorded By
1	Construct a four-course corbel starting at the fifth course of a double-wythe wall.		
2	Construct an intersecting block wall joined with wire mesh or metal lath.		
3	Install a row of flashing in an anchored veneered wall.		

MODULE 28207-05 – CONSTRUCTION INSPECTION AND QUALITY CONTROL

There is no performance testing for this module.

Level Three

MODULE 28301-05 – MASONRY IN HIGH-RISE CONSTRUCTION

Task Number	Item	Date(s)	Recorded By
1	Properly don a safety harness, lanyard, and lifeline.		
2	Demonstrate hand signals used for lifting materials.		

MODULE 28302-05 – SPECIALIZED MATERIALS AND TECHNIQUES

Task Number	Item	Date(s)	Recorded By
1	Complete two of the following tasks selected by the instructor: <ul style="list-style-type: none">• Construct a 4 × 4-foot rubble stone wall dry-stacked.• Construct a 4 × 4-foot wall of glazed masonry units.• Construct a 4 × 4-foot wall of glass blocks.• Construct a 4 × 4-foot wall or floor of refractory brick.		

MODULE 28303-05 – REPAIR AND RESTORATION

Task Number	Item	Date(s)	Recorded By
1	Replace a damaged brick in a wall.		
2	Repair mortar joints in a brick wall by tuckpointing.		

MODULE 28304-05 – COMMERCIAL DRAWINGS

Task Number	Item	Date(s)	Recorded By
1	Identify and document the design and location of ten items contained in a set of commercial drawings (the drawings and items will be chosen by the instructor).		
2	Calculate the floor area of each room in a floor plan.		

MODULE 28305-05 – ESTIMATING

Task Number	Item	Date(s)	Recorded By
1	Estimate masonry quantities and volumes from a set of commercial drawings.		
2	Complete a set of estimating worksheets.		

MODULE 28306-05 – SITE LAYOUT – DISTANCE MEASUREMENT AND LEVELING

Task Number	Item	Date(s)	Recorded By
1	Interpret a construction site/plot drawing and relate the man-made and topographic features and other project information to the layout and topography of the actual site.		
2	Convert measurements given in feet and inches to equivalent decimal measurements stated in feet, tenths, and hundredths, and vice versa.		
3	Properly use taping equipment and procedures to make distance and site layout measurements.		
4	Determine approximate distances by pacing.		
5	Set up, adjust, and field test a leveling instrument.		
6	Use a builder's level, leveling rods, and differential leveling procedures to determine site and building elevations.		
7	Record differential leveling data in field notes in accordance with accepted practices.		
8	Use differential leveling and distance measurement procedures to transfer elevations up a structure.		
9	Check and/or establish 90-degree angles using the 3-4-5 rule.		

MODULE 28307-05 – INTRODUCTORY SKILLS FOR THE CREW LEADER

Task Number	Item	Date(s)	Recorded By
There is no performance testing for this module.			