



MASONRY COURSE DESCRIPTION Level 1



- **28101-04 Introduction to Masonry**
(20 hours)
Introduces the trainee to the historic and current materials and processes used in the masonry trade and covers safety concerns specific to the trade. The uses of brick and concrete block are explained, along with basic techniques for mixing mortar and laying masonry units. Opportunities in the trade are also covered. The trainee will mix mortar and perform basic bricklaying.
- **28102-04 Masonry Tools and Equipment**
(12.5 hours)
Describes the hand and power tools and equipment used in mixing mortar, and in cutting, laying, and finishing masonry units. Explains the safe operation of masonry saws and mortar mixing machines.
- **28103-04 Measurements, Drawings, and Specifications**
(10 hours)
Guides the trainee in using mathematics to calculate distances, areas, and volumes common in masonry work. Describes the information typically found on residential construction drawings and specifications.
- **28104-04 Mortar**
(10 hours)
Explains the types and properties of mortar and the materials used in the mixture, including admixtures. Includes instructions for mixing mortar by hand and machine and describes how to properly store mortar.
- **28105-04 Masonry Units and Installation Techniques**
(60 hours)
Covers all types of concrete and clay masonry units and their applications. Explains the use of ties and reinforcing materials. The processes used in placing masonry units are covered in detail, including layout and setup, spreading mortar, cutting brick and block, laying to the line, making corners, tooling joints, patching, and cleanup.