Course Information Form (CIF)

Course Code: LBR 113
Course Title: Mason Tending

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 46.0101
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-2-3
Credit Hour Distribution:

Lecture: 2	Lab: 2	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Practices and procedures of mason tending including scaffold erection, stocking techniques, mixing mortar and grout, and forklift operation.

General Course Objectives

Students will be able to assist the mason by applying practice and procedures of mason tending including proper scaffolding, mortar and grout mixing, and forklift operation.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Admission into the Laborers Apprenticeship program
Current First Aid and CPR card

Methods of Evaluation

The minimum evaluation methods will include 6 written exams and 2 practical demonstrations of skills.

Instructional Materials and Additional Supplies

OSHA Handbook
Principles and Practice of Mason Tending, Laborers Training Fund, 2003.
Rough Terrain Forklift Safety and Maintenance Training Manual, Mason Contractors Association of America, 2004.
Basic Masonry Estimating, Mason Contractors Association of America, 2003.

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
OSHA Review	1. Explain the OSHA regulations which pertain to mason tending (Sub-parts G, H, L, and M).	3	0	0
Scaffold Erection: a) Frame Scaffolding, b) Morgen Tower Scaffolds, and c) Non-Stop Scaffolds	1. Describe how to safely erect the various types of scaffold systems. 2. Demonstrate how to build the various types of scaffolds.	5	4	0
Estimating and Proper Stocking Techniques	1. Describe how to estimate the amount of brick, block, and mortar needed for a specific job. 2. Demonstrate how to stock supplies safely.	3	3	0
Mortar and Grout Mixing: a) Types of Mixers, b) Types of Mortar, and c) Cold Weather Mixing	1. List the advantages and disadvantages of various types of mixers. 2. Describe the types of mortar. 3. List the uses of the different types of mortar. 4. Explain how to mix in cold weather. 5. Demonstrate the proper way to mix mortar.	3	3	0
Tending the Mason: a) Mason Tools; b) Bracing Walls; c) Housekeeping; d) Mortar Pans, Boards, and Stands; and e) Manufacturer Safety Data Sheets (MSDS)	1. Identify each mason tool and describe its use. 2. Demonstrate how to brace a wall. 3. Explain the need for good housekeeping. 4. Describe the uses for mortar pans, boards, and stands. 5. Explain how to care for mortar pans, boards, and stands. 6. Explain the function of an MSDS sheet and where to locate them at the job site.	6	10	0
Rough Terrain Forklifts: a) MCAA, b) Lull Industries, c) JCB Operation, and d) Grandall Forklifts	1. Describe the value of passing the Mason Contractors Association of America examination. 2. Explain various types of forklifts and how they operate. 3. Demonstrate safe forklift operation. 4. Pass the MCAA examination.	8	8	0
Exams	1. Successfully pass written exams and practical demonstrations.	2	2	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0