

# BRICKLAYER-ALLIED CRAFTWKR APP (BAC)

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## **BAC 100 Labor and Trade Union History and Impacts (1 Credit)**

15 lecture, 1 total contact hours

The history and future of labor and trade unions, with particular emphasis on the International Union of Bricklayer and Allied Craftworker, will be explored. Topics also include objectives and methods of organized labor and the legal and institutional framework of collective bargaining. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 101 Safety Practices (2 Credits)**

30 lecture, 2 total contact hours

The impact of the Occupational Safety and Health Act and obtaining the required certifications will be addressed. The purpose of this course is to teach job safety practices and procedures. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 102 Professional Skills Development (2 Credits)**

30 lecture, 2 total contact hours

This course is an introduction to human relation skills needed on the job site. Workplace skills such as effective communication, motivation, working with supervisors, teamwork and Equal Employment Opportunity Commission (EEOC) will be covered. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 110 Introduction to Brick and Blocklaying Apprenticeship (3 Credits)**

45 lecture, 3 total contact hours

This course is the introduction to brick and block laying for new apprentices. Course topics include the expectations of the apprenticeship program, role of International Masonry Institute (IMI), quality assurance and the construction process. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 111 Introduction to Masonry Construction (2 Credits)**

30 lecture, 2 total contact hours

This course introduces the basic concepts of masonry construction including how and where various materials are used and the required tools and equipment. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 112 Mortar Manipulation (3 Credits)**

45 lecture, 3 total contact hours

This is an introductory course in the types and physical properties of mortars. An overview of mortar materials, the manufacture of mortar and the specific manipulations of mortar are also covered. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 120 Introduction to Tile Mechanic Apprenticeship (1 Credit)**

15 lecture, 1 total contact hours

This course is the introduction to tile setting for new apprentices. Course topics include the expectations of the apprenticeship program, role of International Masonry Institute (IMI) and the construction process. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 121 Introduction to Tile Mechanic (3 Credits)**

45 lecture, 3 total contact hours

This course introduces the basic concepts of tile work including how and where various materials are used, adhesives and the required tools and equipment. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 122 Basic Tile Setting (4 Credits)**

60 lecture, 4 total contact hours

This course is an introduction to basic tile setting. Topics include surface preparation, substrate installation and cutting, setting and finishing tile. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 210 Introduction to Blocklaying (3 Credits)**

45 lecture, 3 total contact hours

The course topics include common concrete masonry units, parts of a block and wall, joints, bonds, procedures, techniques and steps to basic blocklaying. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 211 Introduction to Bricklaying (3 Credits)**

45 lecture, 3 total contact hours

This course covers the basic principles and skills used in bricklaying. Topics include types and properties of brick, structural bonds and applying mortar. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 212 Masonry Wall Construction (3 Credits)**

45 lecture, 3 total contact hours

The purpose of this course is to teach the fundamentals of basic masonry wall construction and applicable reinforcement concepts. Types of masonry construction and their descriptions; methods of layout; bonds; veneer, composite, and cavity walls; openings; anchoring devices; and grouting are covered. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 213 Masonry Construction Techniques and Restoration (3 Credits)**

45 lecture, 3 total contact hours

This course will cover basic repair and restoration of masonry in addition to specialty masonry construction techniques. Topics include cleaning, pointing, arches, brick pavers, structural glazed tiles, fireplaces and chimneys. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 220 Wall Tile Installation (3 Credits)**

45 lecture, 3 total contact hours

This course is an introduction to installing wall tile. Methods of installing wall tile on concrete, wood, gypsum board, glass fiber mesh and reinforced board will be covered. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

## **BAC 221 Floor and Stair Tile Installation (3 Credits)**

45 lecture, 3 total contact hours

This course will cover basic installation of floor and stair tile. Methods of installing tile on interior wood and cement subfloors and concrete, wood and metal stairs will be included. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

**BAC 222 Applications for Tile Installation (3 Credits)**

45 lecture, 3 total contact hours

This course is an introduction to the application of tile installations. Bathtub, shower, foundation, curbs, countertop, ceiling/soffit, mantel, hearth and swimming pools tile installation will be covered. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

**BAC 223 Tile Layout, Techniques and Restoration (3 Credits)**

45 lecture, 3 total contact hours

This course will cover tile layout, techniques and restoration. Topics will include layout design principles, renovation and repair, cleaning, caulking, quarry tile, domes, arches and columns. This course is only available for Bricklayer and Allied Craftworker apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6