COURSES

PDF BUILDING TRADES LABOR

BTL101 General Construction I 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Provides basic information for those new to the construction trade, the tools used, and safety.

BTL102 General Construction II 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Covers common hazards in construction, tools of the trade, and successful habits for apprentices.

BTL103 General Construction III 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Covers common hazards in construction and tools of the trade. Hands-on activities will be included.

BTL104 Blueprint Reading 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Presents print-reading fundamentals through the use of actual blueprints and work assignments to grasp concepts. Highway construction plans will be introduced. PPE required.

BTL105 Construction Math 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Provides a foundation for all the math used in construction through classroom and hands-on activities.

BTL106 Pipelaying Part I 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Covers gravity flow pipe systems, the math used during layout and installation, and the tools, PPE, and equipment to perform the work. Trench and excavation safety practices will be reviewed and practiced during hands-on exercises.

BTL107 Pipelaying Part 2 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Course covers polyethylene pipe fusion, utility locating programs, tapping, pressure pipe techniques and the tools, PPE, and equipment to perform the work. Safety practices will be reviewed and practiced during hands-on exercises.

BTL108 Permit Required Confined Space 1 Credit
Prerequisite: Must be admitted to an approved apprenticeship program Covers the hazards associated with working in confined spaces and safety precautions that must be taken during this work. Hands-on activities include preparing for and entering a mock confined space.

BTL109 MSHA New Miner Training 1 Credit
Prerequisite: Must be admitted to an approved apprenticeship program Covers operations for new miners at Part 46 mining facilities and fulfills the MSHA training requirements to work for contractors at these facilities. Note: This training is not a substitute for site-specific training that your employer is required to provide.

BTL110 Asbestos Worker 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Provides the initial EPA required training for abatement workers. Coursework will include both classroom and hands-on activities.

BTL111 Concrete Worker Part I 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Introduces concrete work; increases knowledge and practical experience in the placement and finishing of concrete.

BTL112 Concrete Worker Part 2 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Introductes concrete work; increases knowledge and practical experience in the placement and finishing of concrete.

BTL113 Rigging and Signaling 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Covers safety and the procedures for working safely around cranes. Hands-on activities include: calculate weights of loads, choose proper rigging hardware and rig the load properly, and signal the crane operator to pick and move the load.

BTL114 Asphalt Worker 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Introduces students to working with asphalt. Hands-on activities include: asphalt placement, raking, patching and repairing.

BTL115 Scaffold Builder 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Introduces students to building scaffold. Topics include building frame scaffold, scaffold building tools and PPE, systems scaffold, tube and clamp scaffold, and scaffold user safety.

BTL116 Concrete Cutting and Coring 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Introduces students to concrete cutting and coring.

BTL117 Mason Tending 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Introduces students to mason tending. Topics include safety and health for mason tenders, reinforced masonry, estimating masonry materials, motar, admixtures and grout, stocking masonry materials, the mason tender's duties, the effects of weather on masonry, cleaning masonry, the masonry saw, bracing masonry walls, and plater tending and mixing.

BTL118 OSHA 30 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Covers workplace safety and health hazards and the regulations that protect employee on the jobsite. Many construction contractors are requiring employees to have an OSHA 30 card.

BTL119 Foreman Preparedness 2 Credits
Prerequisite: Must be admitted to an approved apprenticeship program Prepares laborers to become foremen. Topics include the foreman's role, assuring crew and job site safely, record-keeping and documentation, project planning and management, effective communication, and employee supervision.