WV Laborers Course List with Descriptions

Concrete Practices & Procedures

The Basic Concrete Installation course provides the foundational knowledge and skills CCLs need to work safely and productively in this potentially hazardous field. Safety issues associated with the mixing, forming, placement, and curing of concrete materials are covered, as well as the requisite skills needed to prepare a site for the placement of concrete, building forms, estimating concrete quantities, concrete placement, consolidation and finishing, concrete repair, sawing, coring, and drilling. Ample time is given for hands-on practice for all skills.

Decorative Concrete Finishes

The Concrete Decorative Finishes course introduces participants to different concrete finishes: exposed aggregate, colored concrete, stenciling concrete, and stamping concrete. Participants learn factors that affect the quality/appearance of each, materials used, processes for applying each finish, and health and safety factors. Participants observe, practice, and demonstrate the process for creating each decorative finish. Safety and proper work techniques are emphasized.

Cutting and Burning

The Cutting and Burning course introduces participants to the fundamental principles, safety practices, equipment, and techniques necessary to perform cutting and burning operations safely and productively. Cutting methods covered include oxyfuel, plasma arc and exothermic torches. Content includes fire safety provisions including fire watch and hot work permits.

Bridge Construction, Renovation, & Demolition

The Bridge Construction, Renovation, & Demolition course covers the main job activities performed by Construction Craft Laborers on Bridge Construction, Renovation, & Demolition worksites. Content focuses on performing work tasks correctly, productively, and professionally, with a large emphasis on safety throughout. Participants will have ample opportunity to practice new skills learned with safe hands-on activities.

General Construction week 1

The General Construction 1 course introduces participants to a wide variety of concepts, tools, and skills that are important to successfully begin a career as a Construction Craft Laborer (CCL). Participants receive instruction on the craft orientation including the work and role of a CCL, OSHA 10, material identification, hand tools, measurement in construction, electric tools, pneumatic tools and Green construction practices & procedures. Special emphasis is placed on following proper procedures and developing safe work habits.

General Construction week 2

The General Construction 2 course introduces participants to a wide variety of concepts, tools, and skills that are important to successfully begin a career as a Construction Craft Laborer (CCL). Participants receive instruction on use and maintenance of small gas engines, soil compaction equipment and techniques, safe use and maintenance of the portable all-purpose saw, and safe use of powder-actuated tools, first aid/ CPR/ AED, traffic control & flagging, construction math, and scaffold user safety. Special emphasis is placed on following proper procedures and developing safe work habits.

WV Laborers Course List with Descriptions

Introduction to Commercial Green Construction

The Introduction to Commercial Green Construction course focuses on the major factors that play into a green construction project including conservation of natural resources; reduction of carbon emissions; water resource use and conservation; reduction of soil, water and air pollution; and indoor air quality. Participants learn how these emerging issues influence their work and the potential future impact of growth in renewable energy, sustainable buildings, and green construction.

Hoisting and Rigging

The Hoisting and Rigging course provides knowledge of state and federal regulations, as well as an in-depth understanding of equipment, work procedures, techniques, and safety considerations that are essential for laborers to function in a zero-accident environment. Additionally, the course meets training and certification requirements for riggers and signalers.

Signal Person

The Signal Person course provides an overview of a signal person's duties and responsibilities and includes instruction in the proper techniques for giving voice commands and hand signals. It also covers rigging basics and crane safety to ensure that the qualified worker understands hoisting and rigging procedures that may affect the signal person's actions and responsibilities.

ICRA Awareness

The ICRA Awareness course is for workers who are performing construction tasks in occupied facilities, but are not involved with the building, maintenance and deconstruction of structures and controls of work area containment. The course provides an awareness of the causes for secondary infection, the importance of infection control, and procedures for properly conducting construction activities within an occupied healthcare facility.

ICRA Worker

The ICRA Worker course is designed for individuals working in occupied facilities performing construction tasks, and have the responsibility for the building, maintenance and deconstruction of structures and controls of work area containment. The 40-hour course builds upon the 8-hour Awareness course with additional information on structures and controls to prevent the spread of infection.

Line and Grade

The Basic Line and Grade course focuses on the skills, knowledge, and aptitude necessary to operate a variety of surveying instruments and record information for maintaining elevation and alignment control points on heavy and civil construction projects.

Global Positioning Systems (GPS)

The Global Positioning Systems (GPS) course introduces students to how GPS works and how it is used in construction. Participants learn how to set up and operate GPS, using several measuring techniques. Participants observe, practice, and demonstrate the use of the GPS system and coordinate geometry software for a sample structure. Special emphasis is placed on following proper procedures and developing safe work habits.

WV Laborers Course List with Descriptions

Mason Tending

The Mason Tending 1 course is designed to provide instruction in the typical work a laborer performs on masonry construction jobsites. Different types of masonry construction, masonry unit identification, material estimation and stocking procedures, as well as the mason tender's general duties, are covered. Proper mortar mixing techniques and the use of admixtures are covered as well. Additionally, the course presents safety and health issues of the mason tender including silicosis and addresses the use of proper personal protective equipment.

Rough Terrain Forklift

The Rough Terrain Forklift course complies with OSHA 1926.602(c) requirements, introduces participants to the hazards involved with operating a forklift, and explains what they can do to prevent accidents and injuries often associated with operating rough terrain forklifts. Participants will have ample opportunity to operate a forklift.

Rough Terrain Forklift Refresher

The Rough Terrain Forklift Refresher course is for individuals who have successfully completed the Rough Terrain Forklift course and who need to renew their credential. This refresher course reviews important safety topics and factors that affect safe machine operation. It also provides ample time for practice operating a rough terrain forklift.

Skid Steer – Track Loader Training

This training is focused on the safe operation and use of skid steers and track loaders. This course introduces individuals to safety topics and best practices related to skid steer and track loaders. Participants are given ample time to practice all principles and situations covered during classroom participation.

Manlift – MEWP Training

MEWP – Manlift training focuses on the safe operation, use, and inspection of Mobile Elevated Work Platforms of various designs. Coursework covers ANSI A92.22 specifics and gives participants ample time to practice skills, walk arounds, and site inspections as required for safe use of MEWPs.

Scaffold Builder

The Scaffold Technology 1 course addresses the needs of CCLs who are responsible for building scaffolding on the jobsite or are required to perform job tasks while using scaffolding. Designed to meet the training requirements of 29 CFR Part 1926.454, this comprehensive course includes frame, tube and clamp, systems scaffolding, non-powered adjustable scaffold and powered mast-climbing scaffolding. Special emphasis is placed on following proper procedures and developing safe work habits.

Asbestos Abatement Supervisor

The Asbestos Abatement Supervisor course builds upon information provided in the Asbestos Abatement Worker course and prepares Construction Craft Laborers to supervise asbestos abatement projects. Participants receive extensive instruction and hands-on training on work-area preparation, decontamination facility construction and use, abatement techniques, and cleanup procedures. Special emphasis is placed on following proper procedures and developing safe work habits. The course meets all OSHA requirements for supervisor level training and is mandatory for all persons who will supervise

workers involved in Class I and Class II asbestos abatement work. The course exceeds the EPA's 32-hour minimum course requirements stipulated under 40 CFR Part 763.

Asbestos Abatement Supervisor Refresher

The Asbestos Abatement Supervisor Refresher course reviews critical topics associated with asbestos abatement activities. Current information regarding new regulations, equipment, work practices and procedures, and other related information is detailed. This course meets all OSHA 29 CFR 1926.1101 requirements and is mandatory for all supervisors involved in Class I and Class II asbestos abatement work. The course meets the EPA's 8-hour minimum course requirements as stipulated by 40 CFR Part 763. This course is required annually under EPA's Model Accreditation Plan (MAP) and state certification requirements

Asbestos Abatement Worker

The Asbestos Abatement Worker course prepares Construction Craft Laborers to work safely and productively on asbestos abatement projects. Participants receive extensive instruction and hands-on training on work-area preparation, decontamination facility construction and use, abatement techniques, and cleanup procedures. Special emphasis is placed on following proper procedures and developing safe work habits. The course meets all OSHA requirements and is mandatory for all workers involved in Class I and Class II asbestos abatement work. The course exceeds the EPA's 32-hour minimum course requirements, as stipulated under 40 CFR Part 763.

Asbestos Abatement Worker Refresher

The Asbestos Abatement Worker Refresher course reviews critical topics associated with asbestos abatement activities. Current information regarding new regulations, equipment, work practices and procedures, and other related information is detailed. This course meets all OSHA 29 CFR 1926.1101 requirements and is mandatory for all workers involved in Class I and Class II asbestos abatement work. The course meets the EPA's 8-hour minimum course requirements as stipulated by 40 CFR Part 763. This course is required annually under the EPA's Model Accreditation Plan (MAP) and state certification requirements.

. 40-Hour Hazardous Waste Worker

The40-hour Hazardous Waste Worker course prepares participants to work safely and productively on hazardous waste remediation projects. Key topics explored during the course include chemical hazards, health and safety on the jobsite, respirators, emergency response plans, the HAZWOPER Standard, employee responsibilities and workers' rights, and more. Special emphasis is placed on following proper procedures and developing safe work habits.

80-Hour Hazardous Waste Worker

The 80-hour Hazardous Waste Worker course prepares participants to work safely and productively on hazardous waste remediation projects. Emphasis is placed on key topics such as chemical and biological hazards, engineering controls, accident and injury prevention, proper lifting procedures, respirator use, personal protective equipment (PPE), site safety and health plans, workplace monitoring, and more. Special emphasis is placed on following proper procedures and developing safe work habits.

WV Laborers Course List with Descriptions

Hazardous Waste Supervisor

The Hazardous Waste Supervisor course builds upon the information provided in the 80-hour Hazardous Waste Worker course. This course focuses on topics that enable supervisors to develop better leadership skills, prepare for emergencies, and understand the legal rights and requirements of hazardous waste workers.

Hazardous Waste Worker Refresher

The Hazardous Waste Worker Refresher course reviews the major topics of the initial hazardous waste worker training. The course is designed to challenge participants by drawing upon previous training and work experiences to provide practical application of previously learned concepts to real life situations. Additionally, the course covers new technologies, regulatory updates, recent advances, and lessons learned.

Hazardous Waste Supervisor Refresher

The Hazardous Waste Supervisor Refresher course reviews the major topics of the initial hazardous waste worker & supervisor training. The course is designed to challenge participants by drawing upon previous training and work experiences to provide practical application of previously learned concepts to real life situations. Additionally, the course covers new technologies, regulatory updates, recent advances, and lessons learned.

Infectious Disease Awareness

The Infectious Disease Awareness course serves as a foundation to safeguard Construction Craft Laborers who are employed in an environment where infectious disease or diseases, including COVID-19, are known or suspected to be present.

Infectious Disease Operations

The Infectious Disease Operations course provides Construction Craft Laborers with the knowledge to work safely and effectively in an environment where infectious diseases, including COVID-19, may be present. This course helps CCLs recognize the threat of infectious diseases and how to protect themselves and the public while decontamination and disinfection procedures are in progress.

Lead Abatement Supervisor

The Lead Abatement Supervisor course builds on the Lead Abatement Worker course and prepares participants to supervise lead abatement projects. This course is mandatory for all workers responsible for supervising lead-based paint activities in target housing and child-occupied facilities. This course exceeds the EPA’s minimum training requirements of 40 hours of training.

Lead Abatement Supervisor Refresher

The Lead Abatement Supervisor Refresher course reviews critical topics associated with supervisory responsibilities for lead abatement projects. Up-to-date information regarding new regulations, equipment, work practices and procedures, and other related topics is detailed. This course is mandatory for anyone wishing to maintain certification as a Lead Abatement Supervisor on lead-based paint activities conducted on target housing and child-occupied facilities.

WV Laborers Course List with Descriptions

Lead Abatement Worker

The Lead Abatement Worker course prepares participants to work safely and productively on lead abatement projects. The course meets all Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) training requirements under 29 CFR Part 1926.1101 and 40 CFR Part 745.225 respectively. The course is mandatory for all workers conducting lead-based paint activities in target housing and child-occupied facilities. The course also far exceeds EPA's minimum requirements of 16 hours of training (with 8 hours of laboratory) for workers by fully covering required topics and dedicating 40 hours to instruction, including 8 hours of hands-on activities.

Lead Abatement Worker Refresher

The Lead Abatement Worker Refresher course is mandatory for all workers engaged in lead-based paint activities in target housing and child-occupied facilities who wish to maintain certification in this field. Required annually, the course is designed to challenge participants by drawing upon previous training and work experiences to provide practical application of previously learned concepts to real-life situations. Additionally, the course covers new technologies, regulatory updates, recent advances, and lessons learned.

Asphalt

The Asphalt course provides Construction Craft Laborers with the information they need to understand the safety precautions necessary when working with, raking, and placing asphalt. In addition, participants are trained in the preparation of the surface, job planning and setup, and cleaning of the tools and machinery. Participants learn how to patch potholes and cracks and are introduced to proper raking techniques.

Traffic Control Supervisor

The Traffic Control Supervisor course is designed to help the supervisor create a safe roadway construction work zone for workers and travelers by applying guidelines and developing structured processes for implementing internal and external traffic control plans. Participants gain critical knowledge in the types of traffic control devices and how they are used, set up and dismantled. This course also includes flagger control principles and procedures.

Pipeline Technology

The Pipeline Technology course introduces participants to the entire pipeline construction process. The course introduces such topics as employee obligations, chain of command on a pipeline, general hazards and precautions, trench and excavation safety, potholing and underground utility line location, the duties of the various crews (fence, ditch, clearing, etc.), cleaning and inspecting pipes, and fabrication yards. Several of the topics require participants to perform tasks or demonstrate skills being taught. Special emphasis is placed on following proper techniques, developing safe work habits, and recognizing unsafe work conditions.

Solar Panel Installation

The Solar Panel Installation course introduces participants to safe techniques for a variety of solar panel installations, including ground-mounted and roof-mounted. Roof-mounted installation covers various roof types, including pitched, flat, asphalt, and rubber. Special emphasis is placed on following proper procedures and developing safe work habits.

WV Laborers Course List with Descriptions

Pipelaying

The Pipelaying course provides the basic knowledge and skills CCLs need to work safely in trenches, and to correctly install, tap, and repair PVC, ductile iron, Polyethylene, and concrete pipe. The course includes instruction on the math skills needed on pipelaying projects and offers hands-on training in proper pipelaying techniques.

Pipe Laser Training

This training is focused on development of skills needed to calculate, set up, and use a pipe laser for installation of various types of sewer and watermain pipes. Also covered in this course are laser safety and best practices for running control on a pipelaying job.

Polyethylene Pipe Fusion

The Polyethylene Pipe Fusion course is designed for workers who want to learn more about the fusing together of polyethylene (PE) pipes. Participants will learn about the fusing machine, the fusing process, and safety precautions, as well as demonstrate proper procedures for fusing PE pipe. Special emphasis is placed on developing safe work habit.

Foreman Preparation Training

The Foreman Training course serves as a foundation for workers who are training to become a foreman or general foreman. The course will help participants build on the skills they already possess as experienced workers and expand on those skills and abilities to prepare them to take on greater responsibilities on a jobsite.

Confined Space in Construction: Awareness

The Confined Space in Construction: Awareness course provides information that will raise participants' levels of understanding of the hazards of working in and around confined spaces, and the conditions that make a confined space a permit-required confined space. This course is not intended to be used to certify individuals to enter and work as part of a permit-required entry team.

Confined Space in Construction: Entry

The Confined Space in Construction: Entry course is designed to provide participants with the knowledge and skills associated with working in and around confined spaces. Emphasis is placed on hazard recognition, atmospheric monitoring, entry plans policy and procedures, PPE, and hazard mitigation.

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Hazard Communication

The Hazard Communication course introduces participants to OSHA's Revised Hazard Communication Standard (29 CFR 1926.59), as it applies to the construction industry. Participants learn the guidelines for identifying chemical hazards and the proper use of container labels, placards, pictograms, and safety data sheets (SDS).

Silica Awareness

The Reducing Silica Exposure course provides Construction Craft Laborers with information regarding the hazards associated with work activities that contain silica, such as concrete sawing or

stone cutting of materials.

OSHA 10 & 30 Training

The modules provided in this course enable instructors approved under the OSHA Outreach Training Program to provide OSHA 10-hour or 30-hour Outreach training to participants. Each module provides the information in a particular subject that conveys the required information under OSHA. In addition to Outreach training, the modules can also be used as support material in other classes.

Soil Compaction & Air Tools

In this training the principles of soil compaction and the equipment used for this job are topics covered along with the use of pneumatic tools. Compressor safety is discussed and maintenance of all equipment demonstrated prior to participant practice on a variety of tools used in the construction industry .

Blueprint Reading

This course is designed to develop the user's blueprint reading skills. The course consists of seven learning modules. Totally interactive, each of the modules includes animation, sample drawings, and includes topic specific questionnaires to focus the participants on specific portions of the blueprints that consistently built skills as participants work through the course.

CDL Preparation

This training is designed to cover the Entry Level Driver Training (ELDT) requirements set up by the Federal Motor Carriers Association and 49 CFR Part 380. Included in this course are the ELDT Theory, Range, & Road training required for a participant to acquire their CDL License.

Construction Math

This course has been constructed to help participants refresh their current math skills and to relate these skills to practical math skills needed by construction craft laborers. Included in this course are problem solving with fractions and decimals, standard formulas needed in the construction industry, measuring with the US Standard System using feet and inches and the decimal system.

First Aid – CPR – AED

This training is provided using The American Red Cross training program. Included in this training are lessons on the knowledge and skills associated with Adult CPR & AED, Choking, Sudden Illness, Life-Threatening Bleeding, Injuries and Environmental Emergencies. Skill development is highlighted and practices during all sessions.

WV Laborers Course List with Descriptions

Introduction to Construction Drone Operation

This course covers the topics and skills needed to operate drones on or around construction sites. The knowledge portions of this course prepare participants to pass the FAA Part 107 Small-UAS Exam and get their sUAS license. A good portion of this classroom training is dedicated to sectional chart reading and airspace recognition. The course also includes daily flight missions with mission logging, equipment inspections and maintenance.

Fire Watch & Fire Extinguisher

This training covers details from OSHA Subpart F (Fire Protection & Prevention) and Subpart J (Welding & Cutting). Hot work permits and site prep for hot work is highlighted. Hands-on portions of this course include a fire extinguisher demo and participants demonstrate the use of the PASS system of using a fire extinguisher.

Pipeline Distribution Worker

This class includes course work which introduces participants to the breakdown of the terms upstream, midstream, downstream and how different portions of the petroleum industry fit into these classifications. This training is concentrated on work which takes place between the gas meter and the gas distribution main. Included in this course are modules that include utility locating, polyethylene pipe fusion, Trench & Excavation Safety, development of a site plan which includes traffic control and site restoration. During hands-on each of the knowledge topics are practiced along with installation of a 4” HDPE main line which is tapped and plumbed to a meter set which is installed as part of the course.

Pipeline Operator Qualification

This course is available to provide members the opportunity to be evaluated on skills, knowledge, and abilities required on various tasks involved in the pipeline industry. The training center has instructors who are qualified evaluators with various organizations to supply the need of qualified workers in the pipeline industry for pipeline operators & contractors.

Hand Applied Pipe Coating

Hand applied pipe coating training is available to teach the specifications, skills, and hazards associated with the application of pipe coatings. Industry recognition from various manufacturers is available. This course incorporates every aspect of pipe coating from surface prep to environmental conditions and prepares trained members to be productive members of the coating crew on pipeline projects.

LIUNA Labor History

This course is designed to provide members an overview of the history of our union throughout its history, from its organization through today and highlights the struggles and victories our members have faces through the years.

WV Laborers Course List with Descriptions

Scaffold User Training

The scaffold user course addresses the needs of CCLs who are responsible for performing job tasks while using scaffolding and to meet the training requirements specified in OSHA CFR 1926.21 & 1926.454 of Subpart L.

Small Engine Repair

This training is designed to troubleshoot, repair, maintain, and rebuild major components of small engine powered equipment found by CCLs on any construction site. This includes the basic functioning of 2-stroke & 4-stroke, single and twin cylinder motors.

Trench & Excavation Safety

This training is designed to be an awareness level course that introduces participants to the hazards associated with working in or around trenches and excavations. This training teaches the terms used to describe work the different aspects of T&E work. This course also covers the types of T&E protection commonly used in the industry and the requirements of OSHA CFR 1926, Subpart P, Excavations.

Utility Locating

Utility locating training teaches the skills, awareness, and knowledge used in the utility location process. Hazards are covered along with the national color code system and the 811 “One-Call” process. Proper techniques and procedures are discussed for uncovering utilities safely along with operator qualification evaluation on the task if the individual meets the requirements for evaluation.

WV Laborers Course List with Descriptions

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