



Eastern Atlantic States

CARPENTERS TECHNICAL CENTERS

DEPARTMENT OF CONTINUING EDUCATION AND WEBSITE DEVELOPMENT

Course Catalog

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Philadelphia, PA 19154

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Allentown, PA 18013

New Castle IRC

620 Wilmington Road
New Castle, DE 19720

Georgetown IRC

21420 Vaughn Road
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Edison, NJ 08837

Hammonton Branch

3300 South White Horse Pike
Hammonton, NJ 08037

**Carpenters Diver Training
Center (Dive School)**

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Sicklerville, NJ 08081

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Continuing Education CITF Course Catalog

Introduction

The EASCTC's Department of Continuing Education offers a variety of courses, certificate programs, certifications, and industry recognized credentials for all our members. The Department of Continuing Education exists to help our members achieve additional skills, certifications, and qualifications. Whether our members are interested in updating their skills, learning something new or working towards career advancement, these courses are designed to help them reach their goals. Continuing Education courses are created by the Carpenters International Training Fund (CITF) and the Occupational Advisory Committee.

Grading Scale Guide

P (Pass) – Member successfully completed the class

F (Fail) – Member has failed the Class

N (No show) – Member did not show up for class

E (Excused) – Member is excused from training. Reasons for “E” may include death in the family, sickness, etc.

Continuing Education CITF Courses

Confined Space (CITF)

Course Description: This hands-on course covers the hazards of working in confined spaces. Participants will learn the duties and responsibilities required by OSHA safety standards. This training is required for people supervising, entering, or monitoring confined space activities. **16 credit hours**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): **Expiration Date Rules:**

Meets INSTALL Certification Requirements: Y

Construction Fall Protection (CITF)

Course Description: UBC Construction Fall Protection Course is designed to help workers recognize working conditions that may lead to falls and to understand the methods available to prevent falls. This course addresses safety requirements when working from an elevated area such as stairs, ladders, scaffolds, lifts, and steel erection. It also addresses how to use, inspect, and maintain personal protective equipment. **8 credit hours**

Class Min: 1 **Class Max:** 16

Class Prerequisites:

Apprentice Prerequisites: 1st year carpenters and millwright ONLY

Grace Period (days):

Expiration (years): **Expiration Date Rules:**

Meets INSTALL Certification Requirements: Y

Ergonomics (CITF)

Course Description: The topics covered explain how the worker and work fit together. Covering carpal tunnel syndrome, repetitive motion injuries, musculoskeletal disorders, understanding how the human body works; identify working conditions that put carpenters at risk and cause injury; selecting the correct tool; and how to reduce risk of Cumulative Trauma Disorders (CTD). **4 credit hours**

Class Min: 1 **Class Max:** 24

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): Expiration Date Rules:

Meets INSTALL Certification Requirements: Y

Firestop Installation Qualification (CITF)

Course Description: This course qualifies the members in the use of various firestop systems used to control and contain fire in accordance with building and fire codes. Safety, productivity, and trade tips are emphasized. **8 credit hours**

Class Min: 1 Class Max: 16

Class Prerequisites:

Apprentice Prerequisites: Carpenter ONLY

Grace Period (days): 365

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: Y

Firestop Installation Qualification Refresher (CITF)

Course Description: This course renews the Firestop Installation Qualification (CITF). **4 credit hours**

Class Min: 1 Class Max: 16

Class Prerequisites: Firestop Installation Qualification

Apprentice Prerequisites:

Grace Period (days): 365

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: Y

First Aid/CPR/AED - (ECSI) (CITF)

Course Description: This certification course is associated with the Emergency Care and Safety Institute (ECSI) material and provides instruction in procedures for determining care and treatment for the injured or ill. **8 credit hours**

Class Min: 1 Class Max: 12

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 2 Expiration Date Rules: *Minus a Day*

Meets INSTALL Certification Requirements: Y

Certifications included in this course:

AED - Emergency Care and Safety Institute (ECSI) (CITF) *2 credit hours*

First Aid - Emergency Care and Safety Institute (ECSI) (CITF) *4 credit hours*

CPR - Emergency Care and Safety Institute (ECSI) (CITF) *2 credit hours*

Hazard Communication and Chemical Safety (CITF)

Course Description: This course covers training requirements of OSHA's updated HazCom standard, 1910.1200. It will teach you how to read and understand the new Global Harmonized chemical warning system (except for those requirements dealing with the employer's job-specific chemical hazard information). Participants will learn to read GHS-compliant chemical labels and SDSs and to recognize chemical hazards on the job, proper PPE in hazardous conditions, and your right to know. This training replaces the MSDS system. *8 credit hours*

Class Min: 1 **Class Max:** 24

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): **Expiration Date Rules:**

Meets INSTALL Certification Requirements: N

ICRA: Best Practices Awareness (online) (CITF)

Course Description: This online course was designed to promote communication, awareness, and protocols for working in occupied health-care facilities. This course is available in the CITF Online Learning Center.

8 credit hours

Class Min: 1 **Class Max:** 30

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 4 **Expiration Date Rules:** *End of Month*

Meets INSTALL Certification Requirements: N

ICRA: Best Practices In Health-Care Construction (CITF)

Course Description: This hands-on course covers proper construction controls and procedures for limiting secondary infections to patients during hospital stays.

This training is recommended for carpenters working in healthcare facilities. *24 credit hours*

Class Min: 1 Class Max: 10

Class Prerequisites:

Apprentice Prerequisites: No 4 year carpenter apprentices

Grace Period (days): 365

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: Y

ICRA: Best Practices in Health-Care Construction Refresher (CITF)

Course Description: This course renews the ICRA: Best Practices In Health-Care Construction

8 credit hours

Class Min: 1 Class Max: 16

Class Prerequisites: ICRA: Best Practices In Health-Care Construction

Apprentice Prerequisites:

Grace Period (days): 365

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: Y

INSTALL Carpet Certification (CITF)

Course Description:

8 credit hours

Class Min: 1 Class Max: 6

Class Prerequisites:

Apprentice Prerequisites: Floor Layers ONLY

Grace Period (days): 365

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: N

INSTALL Resilient Certification (CITF)

Course Description:

8 credit hours

Class Min: 1 Class Max: 6

Class Prerequisites:

Apprentice Prerequisites: Floor Layers ONLY

Grace Period (days): 365

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: N

Mobile Elevating Work Platforms Operator Qualification (CITF)

Course Description: Formerly Aerial Lift, now called mobile elevating work platforms (MEWPs). This theory and hands-on qualification workshop combines classroom instruction with operating techniques to train participants to safely operate Aerial Lifts in compliance with OSHA regulations and ANSI standards. MEWPs is now classified into “groups” and sub-divided into three “types. **4 credit hours, plus 1 credit hours per MEWP type**

Group classification is determined by whether the lift stays within the tipping lines or moves beyond the tipping lines.

Group A: MEWPs with platforms that move vertically but stay within the chassis or tipping lines, Scissor lifts are an example of this group.

Group B: All other MEWPs, typically boom-type vehicles where the platform extend past the machine’s chassis or tipping lines.

MEWP Type is determined by whether the lift can travel when stowed or elevated and the location of the controls which allow such travel.

Type 1: MEWPs can only be driven with the platform in a stowed position.

Type 2: MEWPs can be driven elevated but is controlled from the chassis.

Type 3: MEWPs can be driven elevated but is controlled from the work platform.

Class Min: 1 **Class Max:** 8-10 **16 Max in TRAIN*

Class Prerequisites: MEWP Theory must be completed first, it is a prerequisite for all practicals.

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): Expiration Date Rules:

Meets INSTALL Certification Requirements: N

Courses included in this Qualification:

Mobile Elevating Work Platforms Operator Qualification Theory (CITF) **4 credit hours**

Mobile Elevating Work Platforms Operator Qualification Practical Group A Type 1 **1 credit hour**

Mobile Elevating Work Platforms Operator Qualification Practical Group A Type 2 **1 credit hour**

Mobile Elevating Work Platforms Operator Qualification Practical Group A Type 3 **1 credit hour**

Mobile Elevating Work Platforms Operator Qualification Practical Group B Type 1 **1 credit hour**

Mobile Elevating Work Platforms Operator Qualification Practical Group B Type 2 **1 credit hour**

Mobile Elevating Work Platforms Operator Qualification Practical Group B Type 3 **1 credit hour**

OSHA 10 Construction (CITF)

Course Description: This 10-hour construction safety course provides an overview of the OSHA safety and health standards for the construction industry. Participants learn about the rights and responsibilities of the employee and the employer. A 10-hour OSHA certification card will be awarded upon successful completion of this course. *OSHA 10 is a stand-alone course and cannot be applied to OSHA 30 certification. **10 credit hours**

Class Min: 3 **Class Max:** 40

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): **Expiration Date Rules:**

Meets INSTALL Certification Requirements: Y

OSHA 30 Construction (CITF)

Course Description: This 30-hour construction safety course provides an in-depth view of the OSHA safety and health standards for the construction industry. Participants will learn about the rights and responsibilities of the employee and employer. A 30-hour OSHA certification card will be awarded upon successful completion of this course. This course is required for all superintendents, foremen, stewards, and apprentices. **30 credit hours**

Class Min: 3 **Class Max:** 40

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): **Expiration Date Rules:**

Meets INSTALL Certification Requirements: Y

PanelMax (CITF)

Course Description: This course will provide the key components of drywall milling machines. Participants will learn how to operate the PanelMax machine, proper maintenance, and the essential safety precautions. Through the hands-on application, participants will demonstrate the ability to safely make cuts and mills and learn how to properly glue milled drywall components utilizing the table and handheld machinery. **8 credit hours**

Class Min: 1 **Class Max:** 8

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): **Expiration Date Rules:**
Meets INSTALL Certification Requirements: N

Powered Industrial Truck Operator - Industrial (CITF)

Course Description: The training is a combination of formal classroom instruction, practical hands-on training, and evaluation of the operator's safe performance. Students will be under the direct supervision of instructors who have the knowledge, training, and experience to train operators and evaluate their competence. 8 credit hours

Class Min: 1 **Class Max:** 16

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 3 **Expiration Date Rules:** *To the Day*

Meets INSTALL Certification Requirements: Y

Powered Industrial Truck Operator - Industrial & Rough Terrain (CITF)

Course Description: The training is a combination of formal classroom instruction, practical hands-on training, and evaluation of the operator's safe performance. You will be under the direct supervision of instructors who have the knowledge, training, and experience to train operators and evaluate their competence. Topics covered are load capacity, hand signals, safe operating techniques, equipment, and job-site inspections. 16 credit hours

Class Min: 1 **Class Max:** 16

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 3 **Expiration Date Rules:** *To the Day*

Meets INSTALL Certification Requirements: Y

Powered Industrial Truck Operator - Rough Terrain (CITF)

Course Description: This is a hands-on rough-terrain forklift training course. Topics covered are load capacity, hand signals, safe operating techniques, equipment, and job-site inspections. This qualification course is also in preparation for Department of Transportation licensing. 8 credit hours

Class Min: 1 **Class Max:** 16

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 3 **Expiration Date Rules:** *To the Day*

Meets INSTALL Certification Requirements: Y

Rigger and Signaler Qualification (CITF)

Course Description: This hands-on course covers construction rigging hardware, procedures, and load calculations in compliance with OSHA and state regulations. Included in the Rigging Qualification is the Written Test and the Practical Test. **40 credit hours* must pass Written and Practical tests to receive credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Apprentice Prerequisites: Carpenter apprentice ONLY

Grace Period (days):

Expiration (years): 4 **Expiration Date Rules:** *End of Month*

Meets INSTALL Certification Requirements: N

Rigger and Signaler Qualification Refresher (CITF)

Course Description: This course renews the Rigger and Signaler Qualification. This refresher consists of theory and a written test at the end of class. Students must successfully complete the test to have the qualification renewed. **16 credit hours**

Class Min: 1 **Class Max:** 12

Class Prerequisites: current Rigger & Signaler Qualification

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 4 **Expiration Date Rules:** *End of Month*

Meets INSTALL Certification Requirements: N

Scaffold Erector Qualification - Standard 40 Hour (CITF)

Course Description: This hands-on OSHA-compliant qualification course covers proper procedures required for safe and efficient scaffold erection. The three major types of supported scaffolding are emphasized. **40 credit hours**

Class Min: 1 **Class Max:** 24

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 4 Expiration Date Rules: *End of Month*
Meets INSTALL Certification Requirements: Y

Scaffold Qualification Refresher (CITF)

Course Description: This course renews the Scaffold Erector Qualification. Current regulations and new procedures and products are covered. **8 credit hours**

Class Min: 1 Class Max: 24

Class Prerequisites: current Scaffold Erector Qualification

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): 4 Expiration Date Rules: *End of Month*

Meets INSTALL Certification Requirements: Y

Silica Awareness (CITF)

Course Description: The primary goal of this course is to teach you about the risks of workplace exposure to crystalline silica and how to avoid them. You will learn about the long-term complications of breathing silica dust and how you can use safe work practices and protective equipment to prevent harmful exposures. **4 credit hours**

Class Min: 1 Class Max: 16

Class Prerequisites:

Apprentice Prerequisites:

Grace Period (days):

Expiration (years): Expiration Date Rules:

Meets INSTALL Certification Requirements: N

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Diver Alert Network (D.A.N)

Course Description: 8 credit hours.

Class Min: 1 **Class Max:** 12

Class Prerequisites: Successfully completed the web-based theory.

Local Certification: YES

Expiration (years): 2 **Expiration Date Rules:** To the Day

Concrete Formwork

Course Description: This course is designed to give the participant an introduction to concrete formwork and walls. The member will receive shop training method and techniques of the proper installation of various concrete forms. 8 credit hours.

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Wood Trim Installation

Course Description: This course is designed to give the participant an introduction to various types of wood trim identification and installation. This course is theory and hands-on, it covers scribing, cutting, and installation of various trim. 24 credit hours.

Class Min: 1 **Class Max:** 8

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Mass Timber Construction: Management: Executing the Design

Course Description: This course covers all aspects of Mass Timber construction as well as all safety aspects of mass timber construction. Fall Protection, Aerial Lift, ANS Rigging/Signaling safety are all covered. Safety and drawings are covered in the classroom portion of this class. Inspections and safe work practices during actual erection of the module are covered in the shop portion. 24 credit hours.

Class Min: 1 **Class Max:** 10

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Trimble Robotic Total Station – Interior Layout

Course Description: Intro to interior layout using Trimble RPT 600 Robotic Total Station. **12 credit hours.**

Class Min: 1 **Class Max:** 10

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Millwright Optical Alignment

Course Description: During this 16-hour course, students will learn how to set up, use, and care for a Brunson Jig Transit, put the instrument in coincidence and shoot elevations, precision plumb the instrument, buck-in the instrument to a line, and shoot a 90° line of sight. There will be timed practical assessments during this course to help reach our goals. **16 credit hours.**

Class Min: 1 **Class Max:** 10

Class Prerequisites: This class requires a working knowledge of shaft alignment, bearings, and optical leveling equipment; therefore, a millwright apprenticeship or comparable job experience is required.

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Millwright Laser Alignment

Course Description: In this 8-hour class participants will learn how to set up, use, and care for a Laser Shaft Alignment Tool. Upon completion of this course, students will be able to: perform pre-alignment checks, perform soft foot compensation, and make shim corrections for proper shaft alignment using the latest Laser Alignment Tools available. **8 credit hours.**

Class Min: 1 **Class Max:** 8

Class Prerequisites: This class requires a working knowledge of shaft alignment, bearings, and optical leveling equipment; therefore, a millwright apprenticeship or comparable job experience is required.

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Drywall Production

Course Description: This class provides the member with an introduction to what it takes to hang drywall in a safe and productive manner. All power tools will be provided. Members will need basic hand tools. Utility Knife, Tape Measure, Nail bag, Jab Saw, Aviation snips for metal.

12 credit hours.

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Advanced Welding-Intro to TIG (GTAW)

Course Description: This course is designed to introduce you to the basic skills of gas tungsten arc (TIG) welding. Learn: the principal set-up of TIG (tungsten inert gas) welding equipment; proper tungsten selection and shielding gases for this welding process; and the correct welding parameters for the material to be welded. 40 credit hours.

Class Min: 1 **Class Max:** 5

Class Prerequisites: 3G, 4G SMAW welding cert

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Advanced LVP

Course Description: This course focuses on Luxury Vinyl Plank products as well as the herringbone layout. Each participant will gain working knowledge in both floating and direct glue installations. 16 credit hours.

Class Min: 1 **Class Max:** 10

Class Prerequisites: FL 104

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Complex VCT Patterns

Course Description: This course focuses on patterns and custom designs using Vinyl Composite Tile. The participant will build off basic VCT skills to properly layout and install complex projects. 16 credit hours.

Class Min: 1 **Class Max:** 10

Class Prerequisites: FL 104

Local Certification: NO

Expiration (years): Expiration Date Rules:

Construction Master Pro Calculator: Part I

Course Description: Students learn the use of the Construction Master Pro Calculator and how it can advance the efficiency of everyday construction site tasks. Bringing the functions of Geometry and Trigonometry to an easy-to-use level. Topics include General math, measurement calculation, estimating, stairs, common roofs, layout, angles, and arcs. **8 credit hours.**

Class Min: 1 Class Max: 12

Class Prerequisites:

Local Certification: NO

Expiration (years): Expiration Date Rules:

Cabinet & Interior Trim

Course Description: This course introduces the student to interior trim. It will include print reading, installation of cabinets, including scribing and adjusting the hardware, window casing, chair rail and base molding. **40 credit hours.**

Class Min: 1 Class Max: 6

Class Prerequisites: C303 Door and Hardware

Local Certification: NO

Expiration (years): Expiration Date Rules:

Drywall Production

Course Description: This class provides the member with an introduction to what it takes to hang drywall in a safe and productive manner. All power tools will be provided. Members will need basic hand tools. Utility Knife, Tape Measure, Nail bag, Jab Saw, Aviation snips for metal. **12 credit hours.**

Class Min: 1 Class Max: 12

Class Prerequisites:

Local Certification: NO

Expiration (years): Expiration Date Rules:

WELD 101: Welding Safety & Firewatch

Course Description: This course will inform the beginner and reinforce the experienced welder in the proper safety and instruction to operate an oxygen/acetylene cutting torch and an

electric arc welder for carbon steel applications. The content will cover the OSHA regulations, personal protective equipment, and portable handheld grinder safety. Each participant will learn the safe assembly and operation of the oxygen/acetylene cutting torch, and the safe setup and operation of the electric arc welder. Upon completion of the course each participant shall demonstrate the safe and proper use of the handheld grinder, oxygen and acetylene torch, and the electric arc welder, before being recommended for the next level. **40 credit hours.**

Class Min: 1 **Class Max:** 10

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

WELD 102: Basic Welding

Course Description: Participants will continue on from Weld 101: Welding Safety and Fire Watch. This course is a more in-depth hands-on welding training that covers various types of welding and cutting. Students will get practice in oxyacetylene torch work and stick welding. **40 credit hours.**

Class Min: 1 **Class Max:** 10

Class Prerequisites: WELD 101: Welding Safety & Firewatch

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Panel Max

Course Description: This course will provide the key components of drywall milling machines. Participants will learn how to operate the Panel Max machine, proper maintenance, and the essential safety precautions. Through the hands-on application, participants will demonstrate the ability to safely make cuts and mills and learn how to properly glue milled drywall components utilizing the table and handheld machinery. **8 credit hours.**

Class Min: 1 **Class Max:** 6

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Robotic Total Station – Interior Layout

Course Description: Intro to interior layout using Trimble RPT 600 Robotic Total Station. 12 credit hours.

Class Min: 1 **Class Max:** 10

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Robotic Total Station

Course Description: 24 credit hours.

Class Min: 1 **Class Max:** 10

Class Prerequisites: Carpenters MUST have all Level 300 Carpenter class

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Underwater Welding

Course Description: Allows members who currently possess a Diving Certification to practice and certify un underwater welding techniques. 8 credit hours.

Class Min: 1 **Class Max:** 6

Class Prerequisites: D.A.N certification and personal equipment must be up-to-date. ADCI Diver/Tender Certification or Better

Local Certification:

Expiration (years): **Expiration Date Rules:**

Rigging 101: Fundamentals

Course Description: This course is designed for those members with little to no rigging experience and will serve as the first step towards rigging & signaling certifications. Upon completion students will demonstrate a working knowledge of: overhead and mobile-boom cranes, utilization and inspection of rigging hardware & slings, center of gravity, slinging & hoisting loads, proper hand and voice signals, proper hoist planning and procedures for symmetrical & asymmetrical loads. 24 credit hours.

Class Min: 1 **Class Max:** 24

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Interior System Layout

Course Description: This class will give the member an introduction to interior system layout. The class will have both classroom and shop learning environments. Students will learn to correctly read and interpret drawings involving interior layout. In the shop portions the student will be laying out the systems as per the drawings used in the classroom. The student will be introduced to the latest techniques required to successfully layout today's more complex designs. This class will include the methods, materials and tools used in interior systems layout. **16 credit hours.**

Class Min: 1 **Class Max:** 14

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Roof Framing

Course Description: This class will give the student experience in laying out various roof framing members. The class will have classroom and shop learning settings. The classroom portion will involve reading drawings pertaining to roof framing and the math involved in producing the parts needed to frame a roof. The shop portion of the class will allow the student to physically layout and assemble a framed roof. **16 credit hours.**

Class Min: 1 **Class Max:** 10

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Acoustical Ceilings

Course Description: This class will give the member a firm introduction to various types of acoustical ceiling systems. The students will learn through both classroom and shop settings. Various types of grid work will be used along with reflective ceiling plans showing said grid systems. **32 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Layout 1 (Builder Level)

Course Description: This 16-hour class will teach the member the basic math and hand skills involved in using a builder level in layout. The class time is split up between classroom and shop hands-on activities. **16 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Layout 2

Course Description: This 16-hour class will give the student the knowledge and techniques need to set up a transit. Along with setting up the instrument the student will layout various shapes and designs. There is classroom and field settings in this training. **16 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Intro to Robotic Total Station

Course Description: Introduction to basic Total Station setup and use. **8 credit hours.**

Class Min: 1 **Class Max:** 8

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

NCCCO Signal Person Certification Prep Course

Course Description: This 8-hour training session will prepare our members to take the NCCCO Signal Person Practical Exam and NCCCO Signal Person Written Exam. Attendance at all classes is mandatory, in order to qualify for exam registration. Upon passing both exams, the member will be considered an NCCCO Certified Signal Person. This certification or equivalent is required by the City of Philadelphia in order to signal tower/mobile cranes. Whenever possible, this course will be held on 2 weeknights. You will be assigned a test day in addition to the 8-hour training session. **8 credit hours.**

Class Min: 1 **Class Max:** 20

Class Prerequisites: Create a profile on <https://my.ccocert.org> Government Issued Photo ID

Local Certification: YES

Expiration (years): 5 **Expiration Date Rules:**

NCCCO Rigger 1 Certification Prep Course

Course Description: This 12-hour training course will prepare our members for the NCCCO Rigger 1 Written and Practical Exams. Attendance at all classes is mandatory, in order to qualify for exam registration. This course will feature hands-on shop-based instruction, and classroom-based instruction; therefore, work attire must be worn at all times. (long pants, sleeves, work boots, etc.) Upon passing both exams, the member will be considered an NCCCO Certified Rigger Level 1. This certification or equivalent is required by the City of Philadelphia in order to engage in rigging activities. Everyone engaged in rigging activities on each job site needs to have a Rigger 1 certification. Whenever possible, this course will be held on 3 weeknights. You will be assigned a test day in addition to the 12-hour training session. **12 credit hours.**

Class Min: 1 **Class Max:** 20

Class Prerequisites: NCCCO Signal Person Certification Prep Course, Government Issued Photo ID

Local Certification: YES

Expiration (years): 5 **Expiration Date Rules:**

NCCCO Rigger 2 Certification Prep Course

Course Description: This 12-hour training course, which is geared towards rigging supervisors, will prepare our members for the NCCCO Rigger 2 Written and Practical Exams. Attendance at all classes is mandatory, in order to qualify for exam registration. Upon passing both exams, the member will be considered an NCCCO Certified Rigger Level 2. This course will feature hands-on shop-based instruction, and classroom-based instruction; therefore, work attire must be worn at all times. (long pants, sleeves, work boots, etc.) This training and/or certification is highly recommended to anyone involved in the supervision of rigging-- lead mechanics, foremen, general foremen, superintendents, etc. Due to the difficult nature of this course, it may be a good idea to brush up on Signal Person, and Rigger 1 study materials, as well as some basic math skills (fractions, decimals, ratios, percents, PEMDAS, decimal feet/inch conversions). Whenever possible, this course will be held on 3 weeknights. You will be assigned a test day in addition to the 12-hour training session. **12 credit hours.**

Class Min: 1 **Class Max:** 20

Class Prerequisites: NCCCO Signal Person and Rigger 1 Certification Prep Course, Government Issued Photo ID

Local Certification: YES

Expiration (years): 5 **Expiration Date Rules:**

UBC History

Course Description: This 8-hour course is designed to highlight the history of organized labor in America. Attendants will learn about the benefits of the UBC and unionism through traditional lectures, PowerPoints, and hands-on demonstrations of historical techniques. By the end of the course, attendees will have a better understanding of the political fights that workers have faced and the benefits that unions provide. **8 credit hours.**

Class Min: 1 **Class Max:** 40

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Trimble X7 3D Layout

Course Description: This class will introduce you to the Trimble X7 3D scanner. This device is used to generate 3D point cloud images of a jobsite that can then be used to create as-builts or show jobsite progression. **4 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Foundations & Bridge Formwork

Course Description: This class will introduce you to the Trimble X7 3D scanner. This device is used to generate 3D point cloud images of a jobsite that can then be used to create as-builts or show jobsite progression. **8 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Installing Sheet Vinyl and Linoleum w Heat Welding

Course Description: This 8-hour course provides hands-on training in the installation of sheet vinyl and linoleum flooring with an emphasis on heat welding seams. Participants will learn how to properly prepare subfloors, use 3-wall and pattern scribing techniques for accurate

fitting, apply adhesives, and execute professional-grade heat welds. The course emphasizes safety, precision, and quality control, making it ideal for journeypersons seeking to refine their skills in resilient sheet flooring installation. **8 credit hours.**

Class Min: 1 **Class Max:** 8

Class Prerequisites: Floorlayer only

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Installing PVC Wall Panels with Heat Welding

Course Description: This 8-hour continuing education session gives participants hands-on experience in the installation of PVC wall panels using thermoforming and heat welding techniques. Participants learn how to safely use a thermoformer to bend panels for inside and outside corners, apply adhesives for long-lasting installations, and properly heat weld seams for a hygienic, watertight finish. The course includes focused practice on mock-ups and concludes with full panel and seam installation. **8 credit hours.**

Class Min: 1 **Class Max:** 8

Class Prerequisites: Floorlayer only

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Introduction to Welding

Course Description: This 8-hour course is designed to provide participants with a foundational understanding of welding practices, safety procedures, and hands-on experience. **8 credit hours.**

Class Min: 1 **Class Max:** 8

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Gang Forms

Course Description: Gang Forms are prebuilt wall forms constructed by fastening together a series of smaller panel forms. This class examines the uses and applications of gang forms, proper installation, and stripping techniques. Safety practices and procedures relating to gang form construction. **8 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Electronic Print Reading

Course Description: Students will be introduced to electronic print reading using the Procore platform. Students will also work with civil, structural and architectural drawings to become familiar with the various disciplines. **16 credit hours.**

Class Min: 1 **Class Max:** 24

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Introduction to Procore

Course Description: This 8 hour workshop style course will familiarize participants with Procore construction management software. Topics covered will include: Navigating software to work with construction prints, RFIs, Punch-lists, Specifications, etc. Hands on application will reinforce learned skills into real world scenarios. Electronic Tablets will be provided for students to use during sessions. **8 credit hours.**

Class Min: 1 **Class Max:** 24

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**

Reality Capture

Course Description: Students will be introduced to some of the more advance technology used in the field today. Participants will have hands on traing with teresstrial 3D scanners and 360 camreas to learn value in the field. **8 credit hours.**

Class Min: 1 **Class Max:** 12

Class Prerequisites:

Local Certification: NO

Expiration (years): **Expiration Date Rules:**