



**Journeylevel Advancement
Health & Safety Class Catalog**



**The Carpenters Training Committee
for Northern California**



WELCOME
Carpenter Members &
Signatory Employers

This is the Carpenters Training Committee
for Northern California's (CTCNC) catalog of
**Journeylevel Advancement (JAC) and
Health & Safety (HS) Training Classes**



A Joint Labor and Management Sponsor of: School-To-Work
• Pre-Apprenticeship • Apprenticeship • Health & Safety
• Journeylevel Advancement • Leadership & Supervision
• Certification & Qualification Training Programs

A. How To Enroll in Classes:

For Members...

- Contact your Local Union (“LU”) to be put on their pre-enrollment/sign-up list for the class you may want. If there is no active list for one of these classes, ask your LU to start a new list.
- When a sufficient number of members from your LU have pre-enrolled for a particular class, arrangements will be coordinated between your LU and the CTCNC to set a specific class date.
- When arrangements are finalized and a specific class date has been set, your LU may contact you by phone or mail you a flyer with all the class particulars and ask you for a commitment to attend.
- If you accept a reservation for a class from your LU or Employer please be willing to attend.

For Signatory Employers...

- If you are a member of a Contractor Employer Association, contact your *Association Representative* responsible for training assistance to schedule any of these classes.
- If you are an independent or a training assistance service is not available through your Employer Association, contact the *Carpenters Training Committee* for direct assistance.

B. Enrollment Qualifications:

- To enroll in any of these classes you must be a Journeyman or Apprentice Carpenter, Millwright, Pile Driver, Scaffold Erector, Insulator, Acoustical Installer, Hardwood Floorlayer, or Shingler.
- **And** you must be a Member in good standing, with a current dues card from a UBC Local Union.
- **Or** you must be an Employer signatory to a Northern California Carpenters Labor Agreement.
- **Or** you must be a specifically identified, “pre-qualified” employee of a Signatory Employer.
- **Please** be able to verify any course pre-requisites to enroll in classes that require prior training.

C. Class Cost:

- All courses are offered **free** to our UBC Members and Signatory Employers.
- That means... all materials, supplies, books, instruction, facilities, etc. are provided **free**.

D. Training Administration Policies and Guidelines:

- Pre-enrolled LU and Employer sponsored classes will have scheduling priority.
- All classes are enrolled at the beginning of the first class session and are filled according to the prioritized, pre-enrollment lists we receive from a LU or Employer.
- Classes containing less than 15 participants may be combined or will be subject to rescheduling.
- If you accept a reservation for a class from your LU or Employer please be willing to attend.
- Classes with low turn-out will be subject to cancellation.

All courses are administered by the *Carpenters Training Committee for Northern California (CTCNC)*. Course titles, descriptions, content, certifications, qualifications, etc. are subject to change by *CTCNC*. Indicated curriculum materials are copyright protected © by *Carpenters Training Committee for Northern California (CTCNC)*. *Carpenters Training Committee for Northern California (CTCNC)* is the Northern California training affiliate of the *United Brotherhood of Carpenters and Joiners of America (UBC)*.

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Journeylevel Advancement Courses

PART 1 - Journeylevel Skills Advancement Courses (JAC)

Journeylevel Skills Advancement Courses™ (JAC) is a journeyman craft skills enhancement program administered by: Carpenters Training Committee for Northern California (CTCNC)

Acoustical Ceilings

In this course, the participant will learn to layout and install metal suspension systems for acoustical tile ceilings and for lay-in panel ceiling systems.

Students will learn blueprint reading, identification of fire-rated materials, layout and centering of the grid and the proper way to install hanger wire and seismic compression posts. Hands-on training will include the construction of a full-scale project, using state of the art electronic leveling instruments and using safe work practices.

A thorough review of the Uniform Building Code requirements and the California State regulations for ceiling installation will also be covered.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters, Acoustical Installers, Interior Systems Specialists</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Blueprint Reading - Residential

Two sets of residential blueprints are used in this course. They are both actual sets of plans of homes that were built in Northern California. These working drawings were submitted to the building official for plan review, were determined to satisfy local building code requirements, and were approved for the carpenters' use to construct the homes.

Participants in this class will learn the "language" of the residential construction industry through the actual reading of these blueprints. The two sets of drawings use plans, elevations, section drawings,

details and specifications to communicate construction information. By studying the plot plans, the foundation plans, the floor plans, the elevation drawings, the roof plans and the details, students in this course will follow the sequence of construction of these homes.

Students will learn to interpret the "alphabet of lines", to identify conventional symbols and abbreviations, and to determine the scale of the drawings and details. An introduction to electrical and plumbing plans, as well as material estimating techniques will be provided.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>It is recommended, but not mandatory, that you first take the Construction Math & Intro to Working Drawings Class</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Blueprint Reading - Commercial

This class, presented as an extension of the *Blueprint Reading - Residential* course, is designed to provide an understanding of the structure of the blueprints and specifications and the interrelationship between each.

The course also provides a working understanding of codes, regulations, industry standards, and material take-off procedures.

At the conclusion of the class the student will be able to identify mechanical, electrical, plumbing, masonry, metal, and other symbols and be able to identify architectural conventions such as; lines, symbols, schedules, and their meanings. Practice with a full set of actual commercial blueprints is included.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>It is recommended, but not mandatory, that you first take the Construction Math & Intro to Working Drawings Class and the Blueprint Reading - Residential Class</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Bridge Building

This class is designed to introduce you to the post tensioned concrete box girder bridge construction methods that are typically specified for Caltrans structures in our state.

This class will focus on box girder bridge form construction and erection. You will build a bridge soffit form, layout and erect exterior girder forms, construct a bridge deck cantilever form, layout and erect interior girder forms, and build a bridge diaphragm form.

You will be provided with information which includes descriptions of the functions of a variety of bridge components including abutments, columns and piers, elevations, super-elevations and camber, soffits and falsework, bent caps, hinges and restrainers, and diaphragms.

A description of “lost deck” forming procedures and post tensioning is included.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters, Pile Drivers</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying “Course Completion” <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Cleanroom Protocol & Construction

Most High Tech manufacturing industries require that conditions in the assembly area to be ultra clean. This means not only must the walls, floors, ceilings, and work surfaces be immaculately clean, but also the air must be filtered to remove as many particles (particulates) as possible. High tech manufacturers can lose thousands of dollars worth of chips because a single skin flake floating in the air, one third of a micron in size, landed on a silicon wafer. A micron is 125,000th of an inch so the sizes of these particles are microscopic.

UBC members working in cleanrooms must know how to perform tasks without allowing contaminants to pollute the cleanroom. The facility owner will instruct workers on procedures so as to minimize the possibility of contamination. Cleanroom Protocol is the set of rules, guidelines, and procedures that are used in cleanroom construction to minimize the amount of contamination introduced into the clean zone. When you are working in a cleanroom facility, the owner's Protocol Manager will instruct the workers as to what the specific protocol procedures are for that particular facility.

This Cleanroom Construction Training Course is designed to familiarize the Member with cleanroom protocol procedures and

cleanroom construction processes. Participants will be required to attend a 24-hour course of instruction that includes classroom training along with building a complete cleanroom mockup in the shop - while dressed in proper cleanroom attire. Interactive computer presentations, text materials, training videos, and hands on mock-up construction will compliment this new approach to High Tech learning addressing this High Tech industry.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters, Millwrights</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Construction Calculator

This class is designed to introduce you to the Construction Calculator- an essential tool of our trade. The calculator we have chosen for demonstration in this course is the **Construction Master*[®] .

In the first part of the class we will develop the usage of the keys and their function. Basic mathematical operations plus the use of the memory function will be discussed. Practical problems will be worked to firm-up the usage of the calculator and give you more confidence.

In the second part of the course we will continue by solving more complex problems involving; stairs, roofs, areas, and volume calculations. Classroom questions and interactions will be encouraged and the instructor will also encourage you to work together.

Construction Master[®] calculators will be furnished for those who do not have one.

***Notes:** The *Construction Master*[®] is the "name brand" of calculator used in this course. If you have a different type of calculator the instructor may or may not be able apply the same operating principles to your calculator. CTCNC does not endorse any specific product, or brand Name but attempts to use products that have demonstrated a predictable level of performance and have an established user base.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Commercial Door Hardware

This course covers the layout and installation of hydraulic closers, surface mounted rim and vertical rod exit devices, locksets, and associated hardware on single and double doors.

Students will inspect and adjust single and double doors to the required tolerances of commercial construction. Single doors and double doors will be hung in the frames. Methods of installing specific doors, closers, exit devices, and locksets will be practiced by all participants with emphasis on frame alignments and attachments to the metal wall frame and layout for drilling of door and frame for acceptance of the specified bolts.

A survey of the most commonly specified hardware in commercial construction will be combined with current fire code and ADA specifications for commercial construction.

Students who complete this class are encouraged to enroll in and complete the next class in this series entitled: *Commercial Door Hardware Certification Test*.

Course Length	<i>32 Hours</i>
Designed for Craft	<i>Carpenters, Interior Systems Specialists</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Commercial Door Hardware Certification Test

This course is a joint *UBC/ National Door & Hardware Institute* recognized battery of certification tests to evaluate the competent installation of a variety of "product specific" name brands of hardware.

Testing will evaluate previous knowledge to apply the correct hardware installation techniques for specific products. Observing relevant building and fire codes is crucial.

Members who have extensive experience working with hardware or Members who have taken the *Commercial Door Hardware* class are encouraged to access these certification opportunities.

Individual product tests (ie. Modules) will be conducted over a timed period to gage successful installation techniques recommended and warranted by the "product specific" manufacturer.

These modules will include, but are not limited to the following devices: surface mounted vertical rod and concealed vertical rod, coordinators, hydraulic closers, cylindrical and mortise locks, hold-opens and more.

Evaluations will be conducted on both metal and wooden doors to test the participant's knowledge and skill level. Safety and craftsman like workmanship will also be observed.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters, Interior Systems Specialists</i>
Pre-Requisites	<i>You <u>must</u> have first taken the Commercial Door Hardware Class or provide proof of extensive experience in commercial door hardware installation or be prequalified by your employer to attend</i>
Upon Completion	<i>You will receive a certification card indicating that you are a “Certified Installer” of specific commercial hardware products</i>
Certificate Type	<i>This is a certification jointly issued by the UBC and specific Product Manufacturers</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Commercial Interior Systems

This course is designed to introduce students to methods for laying out and constructing straight, curved, and geometric metal framing systems using light gauge steel framing components that are typically used in commercial interior, non-load bearing construction.

The class includes instruction and practice in the application of drywall to metal framed walls, soffits, and suspended gypsum board ceilings.

In addition, students will install an access floor system at a specified finish floor height and a suspended grid ceiling at a specified height above finish floor using electronic leveling instruments.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters, Interior Systems Specialists</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying “Course Completion” <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Construction Math & Intro to Working Drawings

This two (2) subject course will re-introduce the student to:

1. A working knowledge of fundamental math to solve a variety of calculation problems on the job site.
2. A review of the objective, intent, and application of working drawings.

Construction Math subjects will include: Whole Numbers, Decimal Numbers, Fractions, Conversions, Perimeter Measurement, Area Measurement, Volume Calculations, Weight Calculations, Angles, Arcs, & Degrees and Basic Percent.

In the *Introduction to Working Drawings* part of the course, the student will gain fundamental skills helpful in the reading, visualization, and interpretation of architectural working drawings.

The student will acquire an understanding of and an appreciation for the interdependence of the items known as contract documents. In addition, fundamental skills in the visualization of axiometric to orthographic and orthographic to axiometric drawings will be developed.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Framing Square

This class is designed to reintroduce you to the *Framing Square* - one of the tried and true tools of our craft.

Beginning with the history of the framing square the class will move on through framing square familiarization, description of parts, basic functions, and use of the scales.

Hands-on problem solving will be covered including: basic layout techniques, using the octagon, brace table, rafter tables, and Essex board measure. Square gauges and their proper usage for layout of stairs and roofs will be discussed along with hands-on roof and stair problems. Framing squares are furnished for use in the class.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Layout Instruments - Standard

This class will begin to introduce you to the use of precision layout and leveling instruments.

Layout and leveling instruments are used extensively in modern building construction. Your ability to intelligently manipulate these devices could enhance your employment opportunities.

During this course of instruction the student will use a variety of instruments to determine elevations, establish grades, layout lines, and layout angles. These instruments will include: the optical transit/level, the automatic optical level, and the electronic (laser) level, and the digital transit (theodolite).

Instruction begins with a familiarization of the parts and functions of the various instruments.

In the "hands-on" practice of the class students will learn how to: level and setup over a point, establish grades and determine elevations, interpret instrument setting circles and vernier scales, layout horizontal and vertical angles, use of the newer digital instruments to layout building lines and angles, use an engineer's rod to establish grades and elevations using standard record keeping procedures, learn how to read a basic architectural plot plan, and how to use the laser for the layout of interior finish construction.

Instruction also includes a mini-refresher in how to reconvert architectural measurement (feet and inches) to engineering measurement (decimal feet).

Course Length	<i>24 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Layout Instruments - Total Station

This course trains the member to use total station instruments to measure and lay out construction sites and transmit the site readings to a computer where they can be recorded and used very accurately and efficiently.

Total Station equipment includes an electronic transit, commonly called an "electronic distance meter" (EDM), a computerized data collector, and a special tripod. When set up and leveled properly, the EDM allows you to focus on a target, either a special reflective tape stuck to a surface or on a prism mounted on a stake. The electronic transit then reads the distance to the target ...to the nearest thousandth of a foot!...and sends the data to a computer. A computer program then translates the information into accurate field drawings and contour maps.

During the classroom portion of the class, participants will study the blueprint of a sample building and use its dimensions to calculate "coordinates." During the hands-on portion of the class, all participants will learn how to set up and sight through the instrument, determine the location for the prism target and stake, use the data collector, record locations in a field notebook and make benchmarks on both hard and soft surfaces.

Basic surveying techniques and using a hand held calculator to perform the mathematics that applies to this work will be reviewed during this class.

With Total Station, you increase your accuracy and efficiency in laying out job sites and making the continuous calculations needed to assure a job gets done right.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>It is recommended, but not mandatory, that you take the Layout Instruments-Standard class</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Metal Framing - Fundamental

This class is designed to introduce the student to the fundamental principles of metal (steel) framing as related to commercial and residential applications.

The course develops entry level skills required to begin proficiency in basic metal fabrication & framing basics including: introduction to materials, material shapes and thicknesses, fastening techniques,

coupled with fundamental building guidelines.

These principles are combined in a full-sized shop project designed to allow continuous and repetitive practice with the steel material.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Metal Framing - Residential

This course trains carpenters in the skills required to frame with steel framing members in the residential construction industry.

Classroom instruction will cover "state-of-the-art" industry standards includes technical information on the various steel components as well as engineering and design information regarding their use in residential structures.

All students will participate in the construction of a metal framed structure, including "bottom to top" installation of various foundation anchoring systems, underpinning and floor joists, erection of load bearing walls with structural headers and shear and seismic bracing, and fabrication and installation of roof trusses and conventionally framed roof members.

Job site safety training and training in the safe, efficient, and repetitive use of hand and power tools will be provided.

Course Length	<i>32 Hours</i>
Designed for Craft	<i>Carpenters</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Metrics In Construction

This course will help you understand how the metric system was developed, where it is used today, and some important fundamentals

continued...

Metrics In Construction

...continued

of the modern metric system. You will be introduced to two metric base units and their common prefixes, two "derived" units and their common prefixes, and three other commonly used metric units.

You will also learn the strict SI rules for spelling, using symbols, correct spacing between numbers and units, the use of decimal markers and powers of ten, and the proper way to separate long numbers into groups of digits.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Rigging

This UBC certification course is designed to extend your knowledge and confidence to apply safe and intelligent principles to rigging operations. As an incidental work process, rigging has a tendency to become routine on the job site... but, it is still one of the most hazardous ongoing activities.

Beginning with different types of cranes and crane safety, the classroom sessions will cover: theory, care, and use of wire rope, correct application of wire and nylon slings, rigging hardware and appliances, load-line attachments, proper use and care of fiber and synthetic ropes, and basic knot tying.

Special emphasis will be placed on a thorough explanation of the standard *International Hand Signals*. A review of incidents involving crane & rigging accidents will also be analyzed and followed-up with discussions of remedies and prevention measures.

In the applications portion of the course, a full-day session will be devoted to actual rigging, picking, and signaling exercises using a crane and a qualified Local 3 Operator or a boom truck operated by a certified rigging Instructor.

For the sake of safety and quality of instruction, the enrollment of this class will be limited to 16.

Course Length	<i>32 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>

Upon Completion	<i>You will be issued a UBC ID card qualifying you as a UBC Qualified Rigger</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>Before the certificate expires, an eight (8) hour refresher class is required to maintain active status</i>

Roofs

This course will reintroduce the participant on how to calculate, layout, and construct a variety of roof styles and their corresponding structural members.

Two methods of determining rafter length will be taught: one using the rafter tables on the framing square, and one using the Full Length Rafter Tables.

Participants will learn techniques to determine the length and angle cuts of common, hip, valley, hip jack, valley jack, and hip-valley cripple jack rafters, as well as the length of the ridge board.

Hands-on shop practice includes the construction of a full size project that combines essential elements of gable, hip/valley, and intersecting roof cutting and stacking.

In addition, participants will apply the Uniform Building Code to all roof framing problems and learn to estimate roof framing materials.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Scaffold Erecting - Standard

This class is designed to familiarize the experienced Journeylevel Carpenter with the OSHA and CAL/OSHA safety regulations for scaffolding, and to provide hands-on practice in the safe procedures for erecting welded frame/mobile tower scaffold, systems scaffold, and tube and clamp scaffold.

continued...

Scaffold Erecting - Standard

...continued

The OSHA regulations require that each employee who is involved in erecting, altering, disassembling, moving, operating, repairing, maintaining, or inspecting a scaffold be trained to use safe work practices and to recognize any hazards associated with the work. In the classroom, participants will learn to extract information from the codes and do scaffold calculations.

During the hands-on portion of the class, each participant will learn and practice safe work processes and then demonstrate their ability to erect, alter, dismantle, and inspect welded frame/mobile tower, systems, and tube and clamp scaffolds safely and correctly.

UBC issued certificates are awarded to participants who successfully complete this class.

Please Note: This 40 hour course is designed for the Journeylevel Carpenter who has considerable experience in erecting and dismantling welded frame/mobile tower, systems, and tube and clamp scaffolds. If you are not experienced in all of these types of scaffold, please enroll in one or all of the individual modules listed below.

Course Length	<i>40 Hours</i>
Designed for Craft	<i>Carpenters, Scaffold Erectors, and other UBC Crafts involved with scaffolds</i>
Pre-Requisites	<i>You must provide proof of extensive experience in all types of scaffold erecting/dismantling or be pre qualified by your employer to attend</i>
Upon Completion	<i>You will be issued a UBC qualification card indicating you are a "Qualified" scaffold erector/dismantler for welded frame/mobile tower, systems, and tube & clamp scaffolds</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>Before this qualification expires, an eight (8) hour refresher class is required to maintain active status</i>

Scaffold Erecting - Welded Frame/Mobile Tower

This class is designed to train the participant in welded frame and mobile tower scaffold erecting and dismantling. No prior experience is required for this course therefore members with little or no knowledge of scaffolds are encouraged to build-up their skills here or in the following two (2) scaffold classes described below.

Course Length	<i>16 Hours</i>
Designed for Craft	<i>Carpenters, Scaffold Erectors, and other UBC Crafts involved with scaffolds</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC qualification card indicating you are a “Qualified” scaffold erector/dismantler for welded frame/mobile tower scaffolds</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>Before this qualification expires, an eight (8) hour refresher class is required to maintain active status</i>

Scaffold Erecting - Systems

This class is designed to train the participant in systems scaffold erecting and dismantling. No prior experience is required for this course therefore members with little or no knowledge of scaffolds are encouraged to build-up their skills here.

Course Length	<i>16 Hours</i>
Designed for Craft	<i>Carpenters, Scaffold Erectors, and other UBC Crafts involved with scaffolds</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC qualification card indicating you are a “Qualified” scaffold erector/dismantler for systems scaffolds</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>Before this qualification expires, an eight (8) hour refresher class is required to maintain active status</i>

Scaffold Erecting - Tube & Clamp

This class is designed to train the participant in tube & clamp scaffold erecting and dismantling. No prior experience is required for this course therefore members with little or no knowledge of scaffolds are encouraged to build-up their skills here.

continued...

Scaffold Erecting - Tube & Clamp

continued...

Course Length	<i>20 Hours</i>
Designed for Craft	<i>Carpenters, Scaffold Erectors, and other UBC Crafts involved with scaffolds</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC qualification card indicating you are a “Qualified” scaffold erector/dismantler for tube & clamp scaffolds</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>Before this qualification expires, an eight (8) hour refresher class is required to maintain active status</i>

Solid Surface Materials Installation Certification

This UBC Certification course trains our members in the residential and commercial application of this emerging, high-tech, acrylic/polyester based sheet product: industry code name- *Solid Surface Material*.

This new material is used as countertops, window sills, and in a variety of other applications required in the modern residential and commercial construction industries.

Classroom instruction includes technical information on the properties of solid surface materials along with state-of-the-art equipment and adhesive needed to bond the material to create “seamless” constructions.

All students will participate in hands-on training, including the safe and efficient use of hand and power tools, procedures for preparing casework, installation techniques for extremely inconspicuous field seams, the application of abrasives for a variety of specified finishes, and approaches to the final fitting. Techniques for making inconspicuous repairs (ie. warranty work) will also be practiced. At the successful completion of the course, each participant will receive a laminated, wallet-sized photo ID card*, verifying status as a UBC “certified installer” of specific solid surface products.

For the sake of quality of instruction, the enrollment of this class will be limited to 12.

(***Note:** This certification card qualifies you to install but not to purchase these materials)

Course Length	<i>16 Hours</i>
Designed for Craft	<i>Carpenters</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC ID card qualifying you as a UBC Certified Installer</i>
Product Specific Certs	<i>Including, but not limited to: Corian, WilsonArt, Formica, Nevamar, Surrell</i>
Certificate Type	<i>This is a certification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Expires	<i>Two (2) years from date of course completion</i>
Refresher Requirement	<i>Before the certificate expires, an eight (8) hour refresher class is required to maintain active status</i>

Stairs

The successful completion of this class will prepare the participant to identify different stair types and designs, along with the Uniform Building Code requirements for each.

Students will learn how to layout and construct stairs, landings, newels, and handrails. Practice in calculating unit of stair rise from total rise and determining unit of stair run from a given fixed total run will be learned in the classroom and practiced in the shop. Calculations will also include layout of stringer drop for various treads and finish floor.

Practical applications will emphasize laying-out risers and treads on stair stringers using the framing square fitted with stair gauges. The construction of landings, platforms, and form work for self-supporting concrete stairs will also be covered along with the unique construction of the quarter-turn winder staircase. Techniques to estimate and list stair building materials will be applied.

The construction of temporary access stairs and ramps in compliance with Cal/OSHA will also be discussed.

Course Length	<i>24 Hours</i>
Designed for Craft	<i>Carpenters</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a CTCNC certificate indicating successful course completion</i>
Certificate Type	<i>This is a Carpenters Training Committee for Northern California (CTCNC) issued certificate verifying "Course Completion" only</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Superintendent/Leadership Training Program

The expectations for the modern Carpenter have not changed from that of a *Master Builder* or someone who knows a great deal about all the building technologies.

The “Carpenter-of-Today” needs to not only be an expert in the residential, commercial, industrial, and heavy/highway sectors, but also needs to carry on the tradition of organizing, structuring, and overseeing the work. Most supervisors and superintendents have generally come out of the Carpenter ranks.

The objective of this training program, designed as a series of short, 2* hour training modules, is to provide the Union Carpenter construction foremen with an avenue to access the higher supervisory responsibilities of the modern Construction Superintendent.

Today's Construction Superintendent, as a frontline supervisor, deploys a whole range of learned skills such as: organizing and structuring the job site, problem solving, decision making, motivational techniques, and managerial discipline.

By introducing the foreman-level participant to this “*Superintendent*” learning curve, the employer may benefit by investing in craftspersons who have already accumulated some pre-established, field tested skills.

Following is a list of the 2* hour modules presently offered along with a short description of the content. Please note that these Modules have been designed to be taken in successive order.

1. Superintendent Responsibilities/Job Site Set-Up

- Class orientation/Superintendent Responsibilities
- Job Site Set-Up: from roll-up to job mobilization

2. Contract Documents

- Significance of all documents and how they relate to job site administration

3. Change Orders

- Documents that can kill Contractors

4. Submittals

- How architectural review and implementation is addressed

5. The Schedule

- Rolling Schedules, bar charts, critical path method (CPM), etc.

6. The Daily Diary

- Keeping accurate, detailed, daily records of all works-in-progress and incidents

7. Job Close-Out

- Following-up from job mobilization through the punch list

8. Managing the Contractor's Labor Force

- Working with crews, motivational/consensus building techniques

9. Overview of the Building Trades

- Who's who and who does what on the job

10. Discrimination Issues on the Job Site

- Establishing an harassment-free workplace

11. Computers for Construction Superintendents (12 Hrs*)

- Intro to Computer Basics (9 hrs)
- Working with the Primavera® scheduling programs (8 hrs)

12. Creating a Resume for a Superintendent Position

- How to showcase your work experience and new skills

Note: All classes are two hour modules with the exception of the Computers for Construction Superintendants which is 12 hours.

Course Length	<i>Each module is two (2) hours except Module 11-Computers is twelve (12) hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time... but the course is targeted for UBC Foremen who have already accumulated some pre-established, field-tested supervisory skills</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Welding - Program Descriptions

This combination of specialized welding courses have been designed to meet the craft-specific needs of Carpenters, Millwrights, Pile Drivers, and other UBC workers to advance their skill level in the safe and proficient application of welding, cutting/burning, or fitting (*ie. hot work*) processes.

Class and shop instruction has been geared to accommodate all skill levels - from the beginning welder to the more experienced member.

In the first session of each class the participant may select a tailored program to best fit their career needs.

Following is a detailed description of the Welding Courses that make up our Welding Program:

Welding - Intro To Hot Work

This entry-level, non-certification class begins with an overview of all the fundamentals of “hot work.”

”Hot work” is the standard, industry recognized name for the welding, oxy-fuel cutting/burning, or the heating of various metals for the purpose of: permanently joining them (welding), cutting them off (cutting or burning), or heating them to make them “soft” for reshaping (fitting).

The course opens with a thorough overview of all the safety considerations when performing various types of hot work.

On the first practical application, students will learn to use the oxyacetylene cutting torch to become proficient in straight cutting and hole piercing.

Rounding-out the fundamentals of hot work is an entry-level, introduction to welding. This segment will focus on basic electrode or “stick” welding (technically called: Shielded Metal Arc Welding-SMAW).

Emphasized are perfecting the basic motion skills to apply SMAC Fillet (F) welds on limited thickness plate in the flat (1F) and horizontal (2F) positions.

Course Length	<i>Up to 60 hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will receive a certificate indicating successful course completion</i>
Certificate Type	<i>This is a CTCNC issued certificate verifying “Course Completion” <u>only</u></i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Welding - Sheet Steel Certification

This welding certification path addresses the needs of Carpenters or other UBC Members working with “cold-formed” sheet steel products used in our commercial and residential industries.

This welding approach focuses on high-speed, sheet steel welding on 8-24 gage steel, as well as other structural and non-structural sheet steel.

Beginning with electrode or “stick” welding (ie. Shielded Metal Arc Welding-SMAW), the class then moves onto microwire feeders (ie. Flux Core Arc Welding-FCAW).

A variety of high-speed, sheet steel certifications are available that comply with the AWS D1.3 Code.

Course Length	<i>Up to 80 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>It is recommended that you first take the Intro to Hot Work Class</i>
Upon Completion	<i>If you perform and pass a welding test you will be issued a CTCNC Welding Certification for the specific welding process the test addresses</i>
Certification Type	<i>This is a CTCNC Welding Certification awarded on behalf of the American Welding Society (AWS) and verified by an American Welding Society-Certified Welding Inspector (CWI)</i>
Certification Satisfies	<i>AWS D1.3 Sheet Steel Code</i>
Certification Expires	<i>Periodic testing is required to maintain most welding certifications</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Welding - Limited (Thickness) Plate Certification

This is a general-duty welding course using stick (SMAW) or wire feeders (FCAW) to perform fillet (F) welds on light to medium thickness plate in all positions.

Course Length	<i>Up to 80 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>It is recommended that you first take the Intro to Hot Work Course or the Sheet Steel Course</i>
Upon Completion	<i>If you perform and pass a welding test you will be issued a CTCNC Welding Certification for the specific welding process the test addresses</i>
Certification Type	<i>This is a CTCNC Welding Certification awarded on behalf of the American Welding Society (AWS) and verified by an American Welding Society-Certified Welding Inspector (CWI)</i>
Certification Satisfies	<i>AWS D1.1 Structural Code</i>
Certification Expires	<i>Periodic testing is required to maintain most welding certifications</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Welding - Unlimited (Thickness) Plate Certification

This approach builds on multi-pass, groove (G) welding skills required of crafts working on heavy plate in all positions.

Course Length	<i>Up to 96 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>You <u>must have</u> limited plate certs or previous heavy plate experience to enroll</i>
Upon Completion	<i>If you perform and pass a welding test you will be issued a CTCNC Welding Certification for the specific welding process the test addresses</i>
Certification Type	<i>This is a CTCNC Welding Certification awarded on behalf of the American Welding Society (AWS) and verified by an American Welding Society-Certified Welding Inspector (CWI)</i>
Certification Satisfies	<i>AWS D1.1 Structural Code</i>
Certification Expires	<i>Periodic testing is required to maintain most welding certifications</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Welding - Structural Pipe Certification

For the advanced welder, this “life-long learning curve” of welding is designed to achieve and maintain structural pipe certifications. Pipe welding certifications are considered to be the “pinnacle” of welding certifications.

Course Length	<i>Up to 96 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>You <u>must have</u> limited plate certs or previous pipe welding experience to enroll</i>
Upon Completion	<i>If you perform and pass a welding test you will be issued a CTCNC Welding Certification for the specific welding process the test addresses</i>
Certification Type	<i>This is a CTCNC Welding Certification awarded on behalf of the American Welding Society (AWS) and verified by an American Welding Society-Certified Welding Inspector (CWI)</i>
Certification Satisfies	<i>AWS D1.1 Structural Code</i>
Certification Expires	<i>Periodic testing is required to maintain most welding certifications</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Welding - Specialty Hot Work

Instruction and certification is also available in:

- Weldments on ferrous and non-ferrous metals such as aluminum and stainless steel
- MIG (Metal Inert Gas Welding) and TIG (Tungsten Inert Gas Welding)
- Plasma and Air Carbon Arc cutting
- Plate and Pipe fit-up
- Troubleshooting welding machines and equipment

Health and Safety Courses

PART 2 - Health and Safety Courses (HS)

Health & Safety Courses™ (HS) is a comprehensive series of health and safety courses administered by: Carpenters Training Committee for Northern California (NCCRC)

Aerial Lift Safety

This course addresses the Federal requirements for workers performing work from boom supported working platforms or self-propelled platform lifts. The Title 29 Code of Federal Regulations 1926.453 of which Subpart "L" (Scaffolds) mandates statutes for "Vehicle Mounted Rotating Aerial Devices" and references the ANSI (American National Standards Institute) standards contained in ANSI 92.2 (1990). The Federal standard also refers to ANSI 92.5 (1992): "Boom Supported Platforms" and ANSI 92.6 (1999): "Self Propelled Platforms".

The course consists of classroom presentations and instruction combined with hands-on training. Students review the Federal regulations for use and the restrictions placed on the manufacturers by the ANSI Standards. The classroom instruction is followed by the student's pre-operation safety checks which mirror specific manufacturer's requirements. The course is then combined with hands-on training using state-of-the-art "Boom Supported Platforms" (ie. JLG™, Cherrypicker, Condor Lift™, etc.) and "Self Propelled Platforms" (ie. Scissors Lift™ etc.). Students maneuver through an obstacle course and practice operating at extended heights.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC ID card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC)</i>
Certificate Satisfies	<i>Federal: 29 CFR 1926.453 , ANSI 92.5, 92.6)</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Asbestos Abatement Worker or Supervisor

This course qualifies our members to work in an asbestos abatement regulated area. It prepares the worker to recognize whether or not health and safety conditions are adequate in the work area.

The course consists of classroom instruction combined with hands-on training. Correctly constructing the components of a regulated asbestos work area and performing the work safely are taught and practiced. The course covers: history and uses of asbestos, regulations/worker rights, health effects/medical surveillance, building components where asbestos is likely to be found, correct work practices, correct waste disposal methods, correct personal protection equipment and procedures, and the correct procedure when exiting through a decontamination unit.

Classroom instruction is combined with hands-on training using state-of-the-art personal protective equipment.

Course Length	<i>32 Hours Abatement Worker / 40 Hours Abatement Supervisor</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC Photo ID card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1926.58 ... California: CCR, Title 8, Section 1529</i>
Certificate Expires	<i>One (1) year from date of course completion</i>
Refresher Requirement	<i>Before the certificate expires, an eight (8) hour refresher class is required to maintain active status</i>

CPR & First Aid (The American Red Cross Course)

Learning to perform basic cardiopulmonary resuscitation (CPR) or first aid techniques could equip you to rescue a fellow worker, a fellow citizen, or a family member.

The Carpenters Training Committee for Northern California currently presents two different options for those Members and Contractors interested in CPR and First Aid. In cooperation with the American Red Cross, we offer a combination class that includes

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CPR & First Aid (The American Red Cross Course)

...Continued

CPR and First Aid called "Workplace CPR and First Aid". This class meets the basic requirements of the California CSO Article 3, Section 1512 (b) for adult CPR and First Aid.

Course Length	<i>8 Hours for both First Aid and CPR combined</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued an American Red Cross wallet card indicating successful course completion</i>
Certificate Type	<i>This is an American Red Cross (ARC) Qualification that meets all Federal and State requirements</i>
Certificate Satisfies	<i>California: CSO Article 3, Section 1512 (b)</i>
Certificate Expires	<i>One (1) year from date of course completion</i>
Refresher Requirement	<i>No refresher at this time. You must re-take the class to maintain active status</i>

CPR (The National Safety Council Course)

This cardiopulmonary resuscitation (CPR) class is the National Safety Council's (NSC/Green Cross) approved course. Completing this extensive course will satisfy the training requirement of the California CSO Article 3, Section 1512 (b). Classroom instruction consists of lecture presentations and hands-on manipulative practice.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a National Safety Council wallet card indicating successful course completion</i>
Certificate Type	<i>This is a National Safety Council (NSC) Qualification that meets all Federal and State requirements</i>
Certificate Satisfies	<i>California: CSO Article 3, Section 1512 (b)</i>
Certificate Expires	<i>Two (2) years from date of course completion</i>
Refresher Requirement	<i>There is no refresher at this time. You must re-take the class to maintain active status</i>

First Aid (The National Safety Council Course)

This comprehensive First Aid course is also the National Safety Council's (NSC/Green Cross) approved course. Completing this extensive study will satisfy the training requirement of the California CSO Article 3, Section 1512 (b). This 8 hours of classroom instruction consists of lecture presentations and hands-on manipulative practice in bandaging, splints, cravats, obstructed airway, poisoning and shock first aid.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a National Safety Council wallet card indicating successful course completion</i>
Certificate Type	<i>This is a National Safety Council (NSC) Qualification that meets all Federal and State requirements</i>
Certificate Satisfies	<i>California: CSO Article 3, Section 1512 (b)</i>
Certificate Expires	<i>Three (3) years from date of course completion</i>
Refresher Requirement	<i>There is no refresher at this time. You must re-take the class to maintain active status</i>

Confined Space Entry (Permit Issued)

Confined space areas can be deadly if a worker doesn't know the dangers to look for or the methods used to eliminate the hazards. Workers have died in confined spaces because they couldn't assess the dangers. Entry attendants have died trying to save a worker who has passed out.

This course covers: what is considered a confined space, when is an entry permit required before entering a confined space, how to evaluate the air within a confined space, how to purge the space, what personal protection equipment (PPE's) are to be used and how to correctly don and use them, and responsibilities of the attendant - including the right procedure to use if a worker passes out in a confined space.

In the "hands-on" part of this course, students will be required to participate in and demonstrate correct use of respirators and simulate a rescue operation in a confined space mock-up.

Confined Space Entry (Permit Issued)

Course Length	<i>16 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC Photo ID wallet card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1910.146</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>There is no refresher at this time. You must re-take the class to maintain active status</i>

Confined Space Awareness Overview

Confined space areas can be deadly if a worker doesn't know the dangers to look for or the methods used to eliminate the hazards. Workers have died in confined spaces because they couldn't assess the dangers. Entry attendants have died trying to save a worker who has passed out.

This “information only” course covers: what is considered a confined space, when an entry permit is required before entering a confined space, how to evaluate the air within a confined space, how to purge the space, what personal protection equipment (PPE's) are to be used, and responsibilities of the attendant - including the right procedure to use if a worker passes out in a confined space. There are no manipulative exercises in this class.

Course Length	<i>Up to 8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a CTCNC wallet card indicating successful course completion</i>
Certificate Type	<i>This is a Carpenters Training Committee for Northern California (CTCNC) issued certificate verifying “Course Completion” <u>only</u></i>
Certificate Expires	<i>No expiration date at this time.</i>
Refresher Requirement	<i>No refresher course required at this time.</i>

Ergonomics for Carpenters

Bursitis, tendonitis, bad backs, knee problems and on and on are common problems to the carpenter. These problems are not due to aging, they are due to repetitive motion or improper work practices.

Repetitive motion injuries build up over time. While trying to be productive and do a good job you may be over - extending your body in the wrong ways.

Ergonomics, is a study of how the worker and the work or tool can "fit" together. This course will help raise your awareness on how to work smarter to avoid those gradual aches and pains and still keep your productivity high. Presented are actions you can take today to save your body for tomorrow.

Course Length	<i>Up to 8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC wallet card indicating successful course completion</i>
Certificate Type	<i>This is a United Brotherhood of Carpenters (UBC) issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Expires	<i>No expiration date at this time.</i>
Refresher Requirement	<i>No refresher course required at this time.</i>

Fall Protection

Falls are one of the major causes of death in the construction industry. More than 100,000 fall related injuries occur each year. Many of the injuries result in disabilities. Approximately 200 result in death. To protect our UBC members as well as other workers on the job, the Carpenters Training Committee for Northern California offers in depth training in Fall Protection. The course covers: regulation requirements, fall protection devices and equipment available, what fall protection equipment to use and when, what is a tie off point and how to use it, and hands on practice with equipment.

Course Length	<i>4 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC wallet card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1926, subpart M ... California: CCR, Title 8, Sections 1669 and 1670</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Fork Lift Safety

Each year approximately 100 workers are killed and almost 95,000 are injured in industrial truck accidents. To save lives, OSHA enacted a "Powered Industrial Truck Training" (fork lift) safety regulation requiring construction site fork lift operators to complete a *powered industrial truck* safety training course before operating this type of equipment.

This National Safety Council approved course is a basic forklift safety class that satisfies the training requirements of Federal/OSHA that went into effect on March 1, 1999.

This is **NOT** a forklift operator training course on how to maneuver, lift, and transport equipment or materials.

This class **is** a comprehensive safety training course designed to address the general safety considerations when using or working around this type of motorized equipment.

If you are an experienced operator, this course will help you refresh your understanding of safe operating procedures. If you are a relatively new operator, in addition to benefiting from the material presented in the course, you will have the opportunity to learn from the safety tips of other operators.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a National Safety Council wallet card indicating successful course completion</i>
Certificate Type	<i>This is a National Safety Council (NSC) Qualification that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1926</i>
Certificate Expires	<i>Three (3) years from date of course completion</i>
Refresher Requirement	<i>There is no refresher at this time. You must re-take the class to maintain active status</i>

Hazardous Waste General Site Worker

This course meets the requirements of California's GISO, Section 1592, (HAZWOPER) as well as Federal OSHA, 29 CFR 1910.120. The course entails lectures, slides, videos, small group activities and hands-on training in work practices and the use of personal protective equipment. The course covers: regulations/worker rights, health hazard/effects, respirator and personal protective equipment, sampling purpose/methods, radiation recognition/control, decontamination, and site simulation work activity.

All participants are expected to be able to inspect and don respirators and protective clothing, perform appropriately in a mock hazardous exercise, and proceed properly through a decontamination line.

Course Length	<i>40 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC Photo ID wallet card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1910.120 ... California:GISO, Section 1592</i>
Certificate Expires	<i>One (1) year from date of course completion</i>
Refresher Requirement	<i>Before the certificate expires, an eight (8) hour refresher class is required to maintain active</i>

Lead Abatement Worker or Supervisor

This course meets all the California requirements of CCR, Title 8, Section 1532.1. Course completion qualifies our members to work in a lead abatement environment. It prepares the worker to recognize whether or not health and safety procedures are adequate in the work setting. The class also teaches how to control and minimize hazards and protect themselves and others from Lead exposure. The course covers: history and uses of lead, regulations/worker rights, health effects/medical surveillance, sampling for lead, correct work, waste disposal, and personal protection practices.

Classroom instruction is combined with hands-on training using state-of-the-art personal protective equipment.

Course Length	<i>Lead Worker 32 Hours / Lead supervisor 40 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC Photo ID wallet card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>California: CCR, Title 8, Section 1532.1</i>
Certificate Expires	<i>One (1) year from date of course completion</i>
Refresher Requirement	<i>Before the certificate expires, an eight (8) hour refresher class is required to maintain active status</i>

Lockout/Tagout

This course provides participants with an understanding of the key elements of 29 CFR 1910.147, Lock-Out/Tag-Out regulations. The course covers: the dangers that make Lock-Out/Tag-Out necessary, how to identify when Lock-Out/Tag-Out is needed, how to correctly perform Lock-Out/Tag-Out to control hazardous energy sources, when to safely release energy sources, and how to identify the various management tools that are used.

Course Length	<i>8 hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a CTCNC wallet card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the Carpenters Training Committee for Northern California (CTCNC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1910.147</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Material Safety Data Sheets (MSDS)

All employers are required by Cal-OSHA and Fed-OSHA to provide employee access to Material Safety Data Sheets (MSDS) which identify the individual composition of the materials and chemicals on the job site.

This course assists the contractor in meeting their training requirements under the *Hazard Communication Standard* addressing “Site Specific Training” (29 CFR 1926.59/*Hazcom*).

The class teaches members to work safely around the chemicals they are exposed to daily by helping members to use and understand the Material Safety Data Sheets.

The course covers: what is the *Hazard Communications Standard (Hazcom)*, what is a Material Safety Data Sheet (MSDS), what information is required to be on a MSDS, and how to read and interpret the MSDS information.

Successful completion of this course awards a certification verifying compliance as an “Appropriate Trained Person” in this area.

Course Length	<i>8 hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC wallet card indicating successful course completion</i>

Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1926.59</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Safety Training Program (2 Hour Modules)

This series of short, 2-hour modules is intended to bring our foremen, job stewards, and other working members up to speed on the day-to-day health and safety issues that "crop-up" on the job site. These "short classes," designed by CTCNC, have been shaved-down as briefly as possible to provide all participants with a general awareness of:

- The basic "high-points" of a specific safety or job site topic.
- What and where additional safety information can be found.
- When certain job conditions will require a higher level of safety or training to get the job done.

Following is a list of the of the modules along with a short description of the content.

1. Conducting A New Employee Safety Orientation

- Checklist of general and site specific items to include in training a new employee.

2. Conducting An Effective "Tailgate" Safety Meeting

- Provides information to inspect the job site for hazards before the safety meeting, how to prepare for the meeting, communicating for maximum effect, and documenting the meeting correctly.

3. Current Resources For Title 8 (Cal/OSHA) Compliance

- Helps supervisors anticipate the steps required to comply with Title 8 regulations, rather than reacting to noncompliance mistakes.
- Prime contractor responsibilities on multi-employer jobs.

4. Overview of the Construction Safety Orders (CSO)

- Elevated work, subterranean work, cranes, rigging, etc.

5. Cal/OSHA Inspections

- What prompts inspections such as: target industries, random selection, complaints, etc. and what are the potential penalties involved.

6. Overview of Available Health & Safety Training: Part I

- Hazardous Waste, Material Safety Data Sheets, First Aid, CRP, Ergonomics.

7. Overview of Available Health & Safety Training: Part II

- Lead Abatement, Confined Space, Fall Protection, Motorized Truck (fork lift, man lift, etc.) Equipment Safety.

8. Overview of Available Health & Safety Training: Part III

- Asbestos Abatement, Scaffold User Safety, Lock-Out/Tag-Out, Surface Miner Safety.

Course Length	<i>Eight (8) 2 hour Modules presented 2 at a time</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a CTCNC certificate indicating successful course completion</i>
Certificate Type	<i>This is a Carpenters Training Committee for Northern California (CTCNC) issued certificate verifying "Course Completion" <u>only</u></i>
Certificate Satisfies	<i>Federal: 29 CFR 1926.59</i>
Certificate Expires	<i>No expiration date at this time</i>
Refresher Requirement	<i>No refresher course required at this time</i>

Scaffold User Safety

A large percentage of all job site falls are from scaffolds. Of all fatalities relating to scaffolds, 70% are caused by falls, 18% are caused by scaffold collapse, and 12% by overhead wire electrocution.

This Scaffold User Safety course was developed to make our UBC members aware of the dangers they may encounter when working from a scaffold and how to protect themselves from those mishaps. The course covers potential hazards including: falls, access/egress, falling objects, electrocution, and avoiding scaffold collapse.

Instruction is mostly lecture and slide-show presentation with incidental hands-on manipulative exercises.

Course Length	<i>8 Hours</i>
Designed for Craft	<i>All UBC Crafts</i>
Pre-Requisites	<i>No pre-requisites required at this time</i>
Upon Completion	<i>You will be issued a UBC wallet card indicating successful course completion</i>
Certificate Type	<i>This is a qualification issued by the United Brotherhood of Carpenters (UBC) that meets all Federal and State requirements</i>
Certificate Satisfies	<i>Federal: 29 CFR 1926.454 (a) ... California: CSO, Article 21, (all sections)</i>
Certificate Expires	<i>Four (4) years from date of course completion</i>
Refresher Requirement	<i>There is no refresher at this time. You must re-take the class to maintain active status</i>



The Carpenters Training Committee for Northern California (CTCNC)

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