



Alaska Regional Council of Carpenters
Apprenticeship & Training Trust
825 East 8th Avenue, Suite 6
Anchorage, Alaska 99501-3898
Telephone (907) 272-7577 Fax (907) 277-8967A

Class Description and Schedule Fall 2016 – Spring 2017

Class schedules/descriptions and a calendar may also be viewed online at:

<http://www.ubcalaska.org/Training.html> / <http://www.local2520.org> / <http://www.sactcaprentice.org/>

Southern Carpenters can sign up for classes online at

<http://www.sactcaprentice.org/Journeymanupgrades.html>.

The Classes have a 4 student minimum size and if attendance is below the minimum, that class will be canceled. All dates and times may change without notice, so please inquire early. To be eligible for class you must be current on your Union Dues.

More classes will be added if enough people register on the signup sheets at the Union Halls and Training Centers, come by or call to register. We currently have signup sheets at all locations for First Aid/CPR, OSHA 10, NSTC, Scaffold, Fall Protection, Aerial Lift, Forklift, Certified Rigging, and Welding Booth Times.

School Locations:

Southern Alaska Carpenters Training Center

8751 King Street

Anchorage, Alaska 99505

(907) 344-1541

<http://www.sactcaprentice.org/>

Northern Alaska Carpenters Training Center

6 Timberland Drive

Fairbanks, Alaska 99701

(907) 452-4626

http://www.ubcalaska.org/Fairbanks_Training.html

Alaska Piledrivers & Divers

825 East 8th Avenue

Anchorage, Alaska 99501

(907) 272-7577

<http://www.local2520.org/Apprenticeship.htm>

Acoustical Ceilings and Soffit Framing

In this course the members will learn how to set up a rotating laser, learn all of the components of acoustical ceilings and the proper sequence of installing acoustical ceilings, including ceiling wires, perimeter metal, ceiling grid, seismic bracing, and cutting and installing ceiling tiles. The member will also learn how to set up and install soffit framing.

- December 5-9, 2016, 7:00am to 3:30pm @ Fairbanks Carpenters

Aerial Lift

This course is set up to provide training in platform and boom supported aerial lifts. Participants will perform safety inspections and operate self-propelled and boom supported aerial lifts as well as demonstrate knowledge of OSHA and ANSI Standards for Safety.

- January 16-18, 2017, 4:30pm to 7:30pm @ Fairbanks Carpenters
- February 18, 2017 7:30am-4:30pm @ Anchorage Carpenters
- April 10-12, 2017, 4:30pm to 7:30pm @Fairbanks Carpenters
- April 21, 2017, 8:00am to 5:00pm @ Piledrivers
- May 24, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- June 7, 2017, 7:30am to 4:30pm @ Anchorage Carpenters
- Other classes available year round, call your Local Training Center

Building Codes

This class covers Alaska Building Codes, taught by an Anchorage Building Inspector

- Classes available year round. Call your Local Training Center.

Chainsaw Safety

This class covers proper procedures and maintenance of chainsaws.

Concrete Forms

A 9 hour classroom presentation on different forming systems, techniques, form lengths, and figuring cubic yards.

- Classes available year round. Call your Local Training Center.

Concrete, Grout, and Epoxy

This manual presents the various ways that different types of concrete, cementitious grouts, and epoxy grouts are used. Participants learn the ingredients, equipment used, and the correct procedures to prepare and place these materials. The factors that affect placement and curing of these materials are also discussed. Safe practices are emphasized throughout the manual. Numerous illustrations accompany the presentation of content and all procedures.

- March 9 - 10, 2017, 8:00am to 5:00pm @ Piledrivers

Confined Space

This course is provided to ensure that employees working in confined spaces can utilize the confined space entry procedures and control techniques to safely enter and work. The course covers the definition, identification and hazard evaluation of confined spaces, the controls and procedures including North Slope safety permits and special requirements for attendants.

- Classes available year round, call Local Training Center

Construction Math

A 12 hour course that teaches fraction & decimal conversions, area & volume, board feet, right triangles, 3-4-5 squaring lines, solving for hypotenuse of a right triangle, square root, ratio, & proportion. This course is a prerequisite for Advance Math class.

- Classes available year round. Call your Local Training Center.

Crane & Rig Setup

This class covers proper procedures for planning a pile driving project, assembling cranes and pile driving equipment.

- April 7, 2017, 8:00am to 5:00pm @ Piledrivers

Door Hardware I

The class is designed to help members in prepping and proper installation of different types of lock sets.

- December 15-16, 2016 7:30am to 4:30pm @ Anchorage Carpenters

Door Hardware II

This course is designed to help members in prepping and proper installation of different types of closers.

- T.B.A @ Anchorage Carpenters

Door Hardware III

This course is designed to help members in prepping and proper installation of different types of exit devices.

- T.B.A. @ Anchorage Carpenters

I-R Door Hardware Installation Certification

It is recommended that the attendees have a good working knowledge of door hardware installation and some field experience with installation. The Door Hardware classes are great to take for those planning to attend who don't have prior experience with installation. The curriculum and testing required for meeting Ingersoll-Rand Architectural Hardware requirements for the Hardware Installation Certification will be presented.

- T.B.A. @ Anchorage Carpenters Training

Drafting

Follows the "Exploring Drafting" book published by Goodheart/Wilcox.

- November 16 - 18, 2016, 8:00am to 5:00pm @ Piledrivers

Fall Protection

This course is made available as an awareness-training course to ensure that employees working at heights can identify the hazards and select fall protection equipment or procedures appropriate for the work. The course includes hazard assessment, types of fall protection equipment, limitations and proper wear and care of the equipment.

- November 12, 2016 7:30am to 4:30pm @ Anchorage Carpenters
- November 21-23, 2016, 4:30pm to 7:30pm @ Fairbanks Carpenters
- April 17-19, 2017, 4:30pm to 7:30pm @ Fairbanks Carpenters
- April 27, 2017, 8:00am to 5:00pm @ Piledrivers
- May 23, 2017 7:30am-4:30pm @ Anchorage Carpenters
- May 30, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- Classes available year round. Call your Local Training Center

First Aid/CPR/AED

First Aid is a basic training course in Emergency First Aid/CPR care. CPR and other important emergency skills are combined into one course that allows the attendee to function with one consistent set of priorities in a medical emergency.

- November 7-9, 2016, 4:30 to 8:30pm @ Fairbanks Carpenters
- December 15-17, 2016 5-9pm Thurs and Fri, 7:30am-4:30pm on Saturday @ Anchorage Carpenters
- December 29-30, 2016, 7:00am to 3:30pm @ Fairbanks Carpenters
- January 11 - 12, 2017, 8:00am to 5:00pm @ Piledrivers
- January 19-20, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- February 14-17, 2017, 5-9pm @ Anchorage Carpenters.
- March 20-21, 2017, 7:30am to 4:30pm @ Anchorage Carpenters
- April 18-19, 2017, 8:00am to 5:00pm @ Piledrivers
- May 18-19, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- May 18-19, 2017, 7:30am to 4:30pm @ Anchorage Carpenters

Forklift

OSHA has promulgated 29 CFR 1910.178, Powered Industrial Trucks, requiring every employer to ensure that each employee hired and operating a forklift (powered industrial truck) is capable of safely handling each type of forklift that the company uses.

- November 11, 2016, 7:30am to 4:30pm @ Anchorage Carpenters (Refresher Class)
- November 14-16, 2016, 4:30pm to 7:30pm @ Fairbanks Carpenters
- December 10, 2016, 7:30am to 4:30pm @ Anchorage Carpenters
- December 27, 2016, 7:00am to 3:30pm @ Fairbanks Carpenters
- January 13, 2017, 7:30am to 4:30pm @ Anchorage Carpenters
- March 10, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- April 20, 2017, 8:00am to 5:00pm @ Piledrivers
- April 24-26, 2017, 4:30pm to 7:30pm @ Fairbanks Carpenters

Form Hardware

The Form Hardware class provides the UBC Member with the information and skills necessary to recognize, select, and install form hardware. Detailed descriptions and illustrations of a variety of hardware devices reinforce learning. Comparisons and contrasts of different pieces of hardware illustrate which ones are best suited for specific applications. Hands-on practice using some of this hardware prepares UBC Members for the use of form hardware on the jobsite. Safety, Productivity and Trade tips make real-world connections throughout the manual.

- March 2 -3, 2017, 8:00am to 5:00pm @ Piledrivers

Formwork - Introduction to

This class presents many of the basic and most important aspects of concrete formwork, including formwork materials, form hardware, and formwork safety practices. UBC members will learn how to fabricate simple wall forms for a footing form and a foundation wall form in a safe and efficient way

- February 27 – March 1, 2017, 8:00am to 5:00pm @ Piledrivers

Formwork - Bridge

This new class presents the slab, box beam, and box girder types of concrete bridges—their major design features and the major construction techniques involved in building these structures. Also discussed in the manual are concrete properties; the importance of steel reinforcement in structural concrete; the fundamentals of mixing, placing, and curing concrete; the basics of pre-stressed and post-tensioned concrete; and information on several concrete tests. Participants in this workshop will also learn to identify safe practices for working on both land and over water.

- March 6 - 8, 2017, 8:00am to 5:00pm @ Piledrivers

Hazardous Materials

The 40 Hour Hazardous Waste Operations Program is designed to meet the requirements of the initial instruction for hazardous waste clean-up activities. The student will study topics in recognition of chemical, biological, and physical hazards in the work environment, medical surveillance, hazard communication, personal protective equipment, spill response, planning and organization, site characterization, air sampling, site control, drum handling, decontamination, and disposal of hazardous waste.

- Not scheduled at this time

Hazardous Materials 8 hour

All personnel who become certified in the initial 40 or 24 Hour Hazardous Waste Operations and Emergency Response course must undergo 8 hours of refresher training annually. This course meets the requirements for the additional eight hours required of personnel supervising hazardous waste clean-up operations.

- Call Local Training Center for scheduling

ICRA Best Practices in Health-Care Construction

A major issue in hospitals today is secondary infections that are contracted during hospital stays. This results in approximately 99,000 deaths per year. A concern is the increase in infections because of cross contamination from hospital remodels. Removing ceilings, walls, flooring, etc. releases germs, mold, or anything else that is trapped behind ceilings and walls, and under floors. If not handled properly these infectious agents are transferred through HVAC systems, drafts, tracking on the feet, etc. to other parts of the hospital where patient's compromised immune systems are very susceptible to secondary infections. As a result, hospitals are now looking for contractors and workers who have been trained to handle these situations during construction.

- February 27-March 1, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- April 3-5, 2017, 4:30pm to 7:30pm @ Fairbanks Carpenters

Introduction to Pile Driving

This workshop covers the basic job responsibilities of the pile driver piledriving tools and equipment, types of cranes and pile driving hammers used.

- April 4, 2017, 8:00am to 5:00pm @ Piledrivers

Leveling and Layout Instruments

This course covers elevation, nomenclature, leveling rod, elevation, layout and line of grade. The final day covers laser levels.

- November 21 - 23, 2017, 8:00am to 5:00pm @ Piledrivers

Mathematics - Construction

Improve your skill in math fundamentals

- As needed @ Anchorage Carpenters

Mathematics - Advanced

Improve your skills in math, prerequisite for Total Station

- November 21-23, 2016, 7:30am-4:30pm @ Anchorage Carpenters

Metal Stud Framing

This course covers the majority of applications of steel framing in commercial buildings today.

- Classes available year round. Call your Local Training Center.

Metal Stud Welding

This course will prepare members to certify for welding 18 gauge metal studs.

- Classes available year round. Call your Local Training Center.

Mine Safety & Health Administration (MSHA)

MSHA new miner training offers over 4 hours of training that meets the training subject requirements in 30 CFR 46.5, plus an additional 20 hours of task specific supplemental training.

- Will be available statewide. Sign up at your union hall or training center

Millwright 16 Hour Safety

- Classes available year round. Call your Local Training Center.

North Slope Training (NSTC)

The North Slope Training Co-operative (NSTC) is a collaborative effort between the North Slope unit owners and their contractors to ensure all employees (company and contract) have basic safety, health and environmental policy classes before going to work on the North Slope, includes H2S.

- September 20, 2016, 7:30am to 4:30pm @ Anchorage Carpenters
- March 2, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- April 26, 2017, 8:00am to 5:00pm @ Piledrivers
- May 22, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- June 5, 2017, 7:30am to 4:30pm @ Anchorage Carpenters
- Classes available year round. Call your Local Training Center

OSHA 10

Description: Course designed by the OSHA Outreach Training Program to help the student be aware of the regulations & safety for construction.

- January 23-26, 2017, 4:30pm to 7:30pm @ Fairbanks Carpenters
- April 24 - 25, 2017, 8:00am to 5:00pm @ Piledrivers
- May 16-17, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- May 16-17, 2017, 1:30pm to 4:30pm on the 16th and 7:30am to 3:30pm on the 17th @ Anchorage Carpenters
- Classes available year round. Call your Local Training Center

OSHA 30

- September 15-17 and 22-24, 2016, 5-9pm Thursday and Friday, 7:30am to 4:30pm on Saturday @ Anchorage Carpenters

Piledriving Equipment

The Pile driving Equipment manual introduces the equipment central to construction projects. The manual begins with a thorough description of the types of cranes. The boom types and parts are then discussed. This is followed by a brief description of pile driving rigs. Pile driving accessories and their uses, care, and maintenance are highlighted. The manual concludes with a discussion of various pile driving hammers and their applications. Numerous photos and drawings illustrate pile driving equipment at work.

- April 6, 2017, 8:00am to 5:00pm @ Piledrivers

Powder Actuated Tools

Powder Actuated Tools are designed for use only by qualified operators. Anyone using a powder-actuated tool must carry a valid certification card. The certification must be specific to the tool being operated. The certification card verifies that the user has been thoroughly trained and tested

- Classes available year round. Call your Local Training Center

Print Reading

This course follows the "Print Reading for Construction" book and covers residential and commercial blueprints. Actual blueprints from docks and bridges throughout Alaska are used.

- November 7 - 15, 2016, 8:00am to 5:00pm @ Piledrivers
- Classes available year round. Call your Local Training Center

Rigging/Signaler

This course follows the new United Brotherhood of Carpenters rigging guidelines. Rigging procedures and rigging hardware are covered, along with wire rope, chain and synthetic sling construction and inspection.

- November 14-18, 2016, 7:30am to 4:30pm @ Anchorage Carpenters
- November 28-December 2, 2016, 7:00am to 3:30pm @ Fairbanks Carpenters
- March 20 – 24, 2017, 8:00am to 5:00pm @ Piledrivers
- April 10 - 14, 2017, 8:00am to 5:00pm @ Piledrivers
- April 24-29, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters
- Classes available year round. Call your Local Training Center

Rigging Refresher

Renew your rigging card before it expires

- November 1-2, 2016, 7:00am to 3:30pm @ Fairbanks Carpenters
- April 18-19, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters

Scaffold User 8 Hour course

Introduction to Scaffold and the hazards associated with using scaffolding.

- May 22, 2017, 7:30am to 4:30pm @ Anchorage Carpenters

Scaffold Erectors Certification Course – Welded Frame & Mobile Tower only: 16 hour UBC certified erectors course for welded frame and mobile tower only. Current Scaffold Erectors can refresh their cards by attending last day of each class.

Tools needed: hardhat, eye and ear protection, work boots, tool belt, hammer, torpedo level, crescent wrench, 7/8" box end wrench or 7/8" deep well socket, tape measure and side cutters. 4 students' min. 10 students' maximum.

- Classes available year round. Call your Local Training Center.

Scaffold Erectors Certification Course – Welded Frame, Coupler Scaffold, Mobile Tower & Systems

Scaffolds

40 hour UBC certified erectors course. Current Scaffold Erectors can refresh their cards by attending last day of each class.

Tools needed: hardhat, eye and ear protection, work boots, tool belt, hammer, torpedo level, crescent wrench, 7/8" box end wrench or 7/8" deep well socket, tape measure and side cutters. 4 students' min. – 10 students' maximum.

- January 16-20, 2017, 7:30am to 4:30pm @ Anchorage Carpenters
- March 13 – 17, 2017, 7:00am to 3:30pm @ Fairbanks Carpenters

Scaffold Refresher

- November 3, 2016, 7:00am to 3:30pm @Fairbanks Carpenters
- November 28, 2016, 7:30am to 4:30pm @ Anchorage Carpenters
- December 28, 2016, 7:00am to 3:30pm @ Fairbanks Carpenters
- April 21, 2017, 7:00am to 3:30pm @Fairbanks Carpenters

Timber Construction

The Timber Construction class gives the UBC Member a working knowledge of the principles, practices, and equipment used in timber construction. The types and grades of timber, the species of trees used for timber, and the physical make up and growth defects of trees are discussed. Timber damage and the types of timber preservative treatments are also illustrated and explained. Finally, fastening and joining timber and repair work and the procedures involved are presented. Safety, Productivity and Trade tips make real-world connections throughout the manual.

- March 13 - 14, 2017, 8:00am to 5:00pm @ Piledrivers

Tools, Materials, Ethics and History of the Trade

Specific information concerning the fields of Carpenter and Piledriver. Helps develop the fundamental skills and knowledge needed to be a good craftsman.

- April 3, 2017, 8:00am to 5:00pm @ Piledrivers

Total Station

This workshop covers the use of Total Station, equipment for and their application to field layout. Learn the transfer of data from field drawings and CAD programs to the Total Station in the field for layout tasks. Classroom training combined with hands-on training with the Total Station equipment will provide the skills necessary to operate this equipment in the field.

- Classes available year round. Call your Local Training Center.

Types of Pile

The Types of Pile manual provides an overview of those types of pile most commonly used in the construction industry: sheet pile, steel pile, concrete pile, cast-in-place pile, wood pile, and specialty pile, such as plastic and wick drains. The applications of each type of pile are described as well as the advantages and disadvantages of using each type of pile. Photos and illustrations of processes such as the auger process complement the explanations.

- April 5, 2017, 8:00am to 5:00pm @ Piledrivers

Traffic Control

Any construction project which blocks or reroutes the normal flow of traffic must have a detailed plan to redirect traffic approved by the Department of Transportation. Using videos, slides and interactive exercises, the class studies standards and accepted techniques in traffic control.

- Classes available as needed

Welding and Cutting – Introduction

This manual starts with the history and development of welding. Emphasis is given throughout the manual to the hazards of welding and to the safety measures required to weld and cut without injury. Students also receive an introduction to the science of metallurgy. The major kinds of cutting are each discussed in separate chapters: oxy-fuel cutting, plasma arc cutting, and carbon arc gouging. Shielded metal, gas metal, flux cored, and gas tungsten arc welding are discussed in detail. The power sources used in each type of cutting or welding are explained. Electrode holders, guns, and torches and the proper ways to hold them and use them are also covered. Students will also learn how to recognize and read welding symbols.

- January 9 - 10, 2017, 8:00am to 5:00pm @ Piledrivers

Welding

Our welding booths are open to all UBC members in good standing all year long. Welding is done under the D1.1 steel structural welding code. We start beginning welders with 3/8" plate SMAW (stick). When proficient on plate, in the vertical and overhead positions the student advances to 8" pipe in the 6G (45°) position. Once certified on "stick", the welder moves on to FCAW (wire feed). We run different types of wire to meet different welding criteria. The basic types of wire we run are Dualshield, Coreshield 8 and Innershield NR203-N11. We also train and test welders under the D1.3 Sheet-metal Code for the welding of metal studs. Both classes use the United Brotherhood of Carpenters new Welding and Cutting book.

- Shielded Metal Arc Welding (SMAW): January 16 – 19, 2017, 8:00am to 5:00pm @ Piledrivers
- Flux Cored Arc Welding (FCAW): January 23 – 27, 2017, 8:00am to 5:00pm @ Piledrivers

Welding Procedures and Specifications

This course covers the written welding procedures, code books, electrode classifications and selection, joint design, welding symbols, and weld defects: causes and corrections.

- January 30 - 31, 2017, 8:00am to 5:00pm @ Piledrivers
- Classes available year round. Call your Local Training Center

Wood Stairs Math

In this course the member will learn basic theory of stair construction. The calculations needed, code requirements, safety, proper layout, cutting and assembly for open and closed stairwells will be taught.

- Call Local Training Center for scheduling