

SEWCTC Skill Advancement Class Descriptions Fall 2009

To register online, visit www.sewctc.org and click the upgrade class schedule.

To register by phone, contact the Training Center Office at 262-574-6995.

SAFETY AND HEALTH CLASSES

AERIAL LIFT (Nov 7, 7:00am – 3:30pm)

This course covers safe operating and inspection procedures for both self propelled elevating work platforms (scissors lifts) and boom supported elevating work platforms. OSHA and ANSI standards will also be covered. PPE and other safety equipment will be reviewed. Hands on operating skills will be evaluated. CITF Qualification cards will be issued upon satisfactory completion.

CONFINED SPACES (Dec 1, 2, 3, 8, 9, 10, 5:30pm – 8:30pm)

The unique dangers of confined spaces are discussed. Students will learn about OSHA standards regarding Confined Space Entry and learn about how the “Entry by Permit” system is used. A CITF course completion card and certificate will be issued upon completion.

CRANE SIGNAL PERSON TRAINING (Oct 24, 7:00am – 3:30pm)

A comprehensive course designed to provide a thorough understanding of the ASME B 30.5 & B 30.9 regulations pertaining to hand and voice commands for crane signaling. Participant must pass a written and hands-on exam to receive certification for competency. This may be taken as a stand alone class and it is recommended as a follow-up to the rigging class.

FALL PROTECTION (Oct 20, 27, Nov 3, 5:30pm – 8:30pm)

This course is designed to help workers recognize conditions that may lead to falls & understand methods available to prevent falls. OSHA Fall Protection requirements will be discussed. A CITF course completion card and certificate will be issued upon completion.

FIRST AID/CPR/AED (October 24 OR Nov 21, 7:00am – 3:30pm)

Participants are trained according to the American Red Cross guidelines. American Red Cross course completion cards will be issued upon satisfactory completion. First Aid cards are valid for 3 years. CPR/AED cards are valid for 1 year.

OSHA 30-HOUR (Nov 2, 3, 4, 5, 9, 10, 11, 12, 5:00pm – 9:00pm)

This course provides a thorough review of the OSHA Standards. CFR 1926, 1910, 1904 and 1903 are covered to provide additional awareness and hazard recognition. This course is recommended for all in roles of supervision. A CITF course completion card and certificate and a CPWR OSHA 30 card will be issued upon completion.

RIGGING (Nov 2, 3, 4, 9, 10, 11, 5:00pm – 9:00pm AND Nov 14, 7:00am – 3:30pm)

This course will cover basic rigging hardware and rigging practices. Topics to be covered will include wire rope construction, hardware inspection for serviceability, knot tying and splicing, sling configurations and calculations for sling tension. All applicable OSHA regulations will be discussed. Course session will include hands-on rigging practice with a hydraulic crane using hand signals and voice commands with a 2-way radio. A CITF Rigging Qualification card will be issued upon successful completion of the course. Qualification card is valid for 4 years.

RIGGING REFRESHER (Nov 7, 7:00am – 3:30pm)

This workshop is for members who need to renew their Rigging Qualification. Requalification is valid for 4 years.

SCAFFOLD ERECTOR (32-Hour Accelerated)

Please contact the Training Center Office to be added to the wait list.

During this course, welded frame scaffolds, mobile towers scaffolds, tube & coupler scaffolds, systems

scaffolds, OSHA scaffold regulations & scaffold related fall protection will be covered. A CITF Scaffold Erector qualification card will be issued upon successful completion. Qualification card is valid for 4 years.

SCAFFOLD REFRESHER (Oct 19, 20, 5:00pm – 9:00pm)

To meet the requirements of the Scaffolding Qualification Program, the member must complete scaffold refresher training every four years. Refresher training must be completed within one year of the expiration date listed on the qualification card. After the one-year grace period, the full workshop must be repeated to receive a new card.

GENERAL INTEREST CLASSES

BASIC LAYOUT (Oct 12, 14, 5:00pm – 9:00pm)

This class challenges the student's imagination with basic layout techniques of complex geometric shapes & designs.

TOTAL STATION 2 (Dec 5, 12, 7:00am – 3:30pm)

This course will concentrate on using more of the data collector functions. Also, Carlson layout software will be used for making points on a plan and laying them out in the shop. **Successful completion of Total Station 1 is prerequisite for Total Station 2.**

COMPUTER CLASSES

Maximum 10 students per each computer class

POWERPOINT BASICS (Oct 12, 14, 19, 5:00pm – 8:00pm)

This "hands-on" course is designed to familiarize the student with POWERPOINT software. Students will create a presentation from start to finish using unique design templates and techniques. Presentations will be customized to include text, graphics, backgrounds, and slide transitions.

Although there is not a prerequisite for this class, it is recommended that the student has basic computer knowledge (i.e. navigating through toolbars, opening, closing, saving documents).

LEADERSHIP CLASSES

Maximum 12 students per each class

SUPERVISOR TRAINING PROGRAM (STP)

Maximum 12 students per class

STP – The Supervisory Training Program is highly recommended to those members who are planning to, or may have already, moved into a supervisory role. The program is designed to provide knowledge of the industry and insight into the skills necessary for effective supervision in construction. Ten separate classes are included in the program; each providing instruction in a specific skill area. See the current schedule for the units offered this semester.

Unit 3 – Problem Solving and Decision Making (Oct 19, 20, 21, 26, 27, 28, 4:30pm – 8:30pm)

Unit 4 – Contract Documents and Construction Law (Nov 9, 10, 11, 16, 17, 18, 4:30pm – 8:30pm)

Unit 5 – Planning and Scheduling (Dec 7, 8, 9, 14, 15, 16, 4:30pm – 8:30pm)

CARPENTRY CLASSES

CABINETS & COUNTER TOPS (Dec 1, 2, 3, 8, 9, 10, 15, 16, 5:30pm – 8:30pm)

This class is designed to teach students installation practices for factory built cabinets & countertops. Layout procedures & the different “styles” & sizing of cabinets will also be covered.

CONCRETE FORMS – BRIDGES 1 (Oct 10, 7:00am – 3:30pm)

This course is designed to introduce the carpenter to the procedures & materials necessary to construct bridges. The student will work on concrete & steel beams, installing the hangers, joist & decks needed to pour the concrete deck. Cantilevers, expansion joints & shut-offs will be covered.

CONCRETE FORMS – BRIDGES 2 (Oct 17, 7:00am – 3:30pm)

This course is a continuation of Bridges 1 with more focus on the ends of the beams and putting in piers and expansion joints with safety and productivity in mind.

INTERIOR TRIM – ADVANCED (Nov 30, Dec 3, 7, 10, 14, 17, 21, 5:30pm – 8:30pm)

This course covers the more complex trim applications normally found in “High-end” residential and commercial projects. Interior Trim - Basics is prerequisite.

INTERIOR TRIM - BASICS (Nov 2, 5, 9, 12, 16, 19, 23, 5:30pm – 8:30pm)

This course includes types of trim & their purposes; installation tools, both hand & power; safety; cutting & installation of various trim members including base, shoe, casing, chair rail, crown, multiple member trims in various geometric configurations using both mitered & non-mitered applications.

STAIR LAYOUT & CONSTRUCTION (Oct 14, 21, 28, Nov 4, 11, 18, 5:00pm – 9:00pm)

This class covers formulas used to calculate unit rise & unit run to conform to residential & commercial code requirements. Total rise, total run, & “Treads & Risers in the Open” will be discussed to calculate stairs in existing conditions. Students will construct cleated & cutout stringers for straight flight & quarter-turn with landing stairs.

WELDING CLASSES

HOT WORK PERMIT (Oct 10 OR Nov 14, 7:00am – 9:30am)

Participants learn; Hot work Hazard awareness, how to control the hot work, emergency management and documentation of controls in place for working in area’s where cutting, welding, brazing, grinding and similar heat producing work is performed. This is a prerequisite for all who weld in the training facility. This class will be run as part of the welding classes as needed or may be attended as a stand alone class. Scheduling will be done by the welding class instructor.

STRUCTURAL WELDING CERTIFICATION (Oct 10 OR Nov 14, 7:00am – 3:30pm) Maximum 12 students

Testing is done in accordance with the American Welding Society, Structural Welding Code AWS D1.1, D1.3, & D1.5. Welder must be proficient in areas in which certification is required.

Certification is generally conducted on the second Saturday of each month. Call the training center to reserve an available date.

NOTE:

Students are encouraged to call for available booth for skill refresher. **ALL students must take “Hot Work Permit” training prior to lab use.** Additional classes or certification testing will be done on an as needed basis. Call the Training Center to schedule time.

MILLWRIGHT CLASSES

MILLWRIGHT 16-HOUR OSHA (Nov 10, 12, 17, 19, 5:00pm – 9:00pm)

Students will discuss health & safety problems affecting Millwrights & methods to prevent serious illnesses & injuries. A CITF course completion card and certificate will be issued upon completion.

OPTICAL ALIGNMENT (Dec 14, 15, 21, 22, 28, 29, 5:30pm- 9:30pm)

Participants in this workshop learn to use jig transits to level & align machinery. Standard optical alignment procedures will be presented & participants learn how to solve specific alignment problems.

PRECISION MEASUREMENT (Nov 10, 12, 17, 19, 5:30pm- 8:30pm)

Hands-on experience will be gained in the use of precision measuring tools used in the Millwright trade. This class will soon be a prerequisite to taking the turbine classes.

SHAFT ALIGNMENT (Nov 9, 11, 16, 18, 23, 25, 5:30pm- 8:30pm)

This is a basic course concerning the importance of shaft alignment, three types of misalignment & types of alignment couplings. Hands-on practicing proper alignment techniques using dial indicators. Students will align a motor & pump project.

FLOOR COVERER CLASSES

INSTALL Carpet Pre-Certification Preview (Oct 14 OR Nov 11 OR Dec 2, 5:00pm – 8:00pm)

This is a mandatory prerequisite class to the INSTALL Carpet Certification Test. Glue Down, Stretch, Stairs, Adhesives and Installation Techniques will be covered.

INSTALL CARPET CERTIFICATION (Oct 17 OR Nov 14 OR Dec 5, 7:00am – 3:30pm)

Maximum 6 students per certification date

The Carpet certification Testing includes a written assessment that covers the knowledge of Substrates, Adhesives, Fillers, Moisture, and Layout/Planning. Fitting, Bonding, Seaming and Product. Successful completion of the written assessment will be followed by a hands-on evaluation of the Installer's proficiency in the following areas: Adhesive Application, Seaming, Fitting, Tack strip, Cushion Installation, Stretching, Borders, Upholstered Steps and professionalism. Certification is valid for 4 years.

INSTALL Resilient Pre-Certification Preview (Oct 15 OR Nov 25 OR Dec 16, 5:00pm – 8:00pm)

This is a mandatory prerequisite class to the INSTALL Resilient Certification Test. Sheet goods, flash cove, welded seam and VCT Installation will be covered.

INSTALL RESILIENT FLOOR COVERING CERTIFICATION (Oct 24 OR Nov 28 OR Dec 19, 7:00am – 3:30pm)

Maximum 6 students per certification date

The Resilient Certification Testing includes a written assessment that covers knowledge of substrate, adhesives, moisture, layout, fitting, bonding, seams and product. Successful completion of the written assessment is followed by a hands-on portion that will demonstrate the installer's proficiency in the following areas: Layout, Adhesive Application, Fitting, Cove Base Installation, Seaming, Welding, Templating, Scribing and Professionalism. Certification is valid for 4 years.

SHEET VINYL BASICS (Nov 10, 12, 17, 19, 5:00pm- 8:00pm)

This class is intended to teach the basic installation of sheet vinyl, including proper floor prep, underlayment and adhesives for pattern goods and non-pattern goods.

STRETCH CARPET BASICS (Dec 1, 3, 8, 10, 5:00pm- 8:00pm)

Course basics include types of carpet & their installation requirements, specialized tools, safety, installation of anchoring materials, types of padding & usage, pad & carpet layout, proper seaming techniques, proper use of kicker & power stretcher, trimming & finishing, & metal trim installation.

VCT BASICS (Dec 7, 9, 14, 15, 5:00pm- 8:00pm)

This class is intended to reinforce sound layout principles that include: Squaring up a room, basic pattern layout, locating perpendicular lines & basic VCT geometric patterns.