

CONSTRUCTION SAFETY



BOOT CAMP 2018

Technology Design and Safety Center, Keene State College

Preregistration required for each course.
Visit OSHAedNE.com for a registration form.

May 21-23, 2018 | Monday - Wednesday

OSHA 3015: Excavation Trenching & Soil Mechanics | 3 Days | 2.0 CEUs | \$795

Course Description: This course focuses on OSHA standards and on the safety aspects of excavation and trenching. Students are introduced to practical soil mechanics and its relationship to the stability of shored and unshored slopes and walls of excavations. Various types of shoring (wood timbers and hydraulic) are covered. Testing methods are demonstrated and a field exercise is typically conducted, allowing students to use instruments such as penetrometers, torvane shears, and engineering rods.

May 25, 2018 | Friday

OSHA 7300: OSHA's Permit Required Confined Space Standards with emphasis on Confined Spaces in Construction | 1 Days | 0.7 CEUs | \$255

Course Description: On May 4, 2015, OSHA issued a new standard for construction work in confined spaces, which will be effective starting August 3, 2015. Confined spaces can present physical and atmospheric hazards that can be avoided if they are recognized and addressed prior to entering these spaces to perform work. The new standard, Subpart AA of 29 CFR 1926 will help prevent construction workers from being hurt or killed by eliminating and isolating hazards in confined spaces at construction sites similar to the way workers in other industries are already protected. This one day course discusses the requirements of OSHA's permit required confined space standard, Subpart AA of 29 CFR 1926. It is designed for employers or a designated representative (safety managers, project managers, superintendents, foremen) with the responsibility to develop and maintain a permit confined space program. Areas of instruction include regulatory scope, applications and definitions, general requirements, permit required confined space programs and permitting process, duties of authorized entrants, attendants, entry supervisors and rescue. This course satisfies the learning objectives of OSHA's 7300 course tailored to meet the needs of construction operations. Comparisons and contrasts with 29 CFR 1910.146 will be discussed.

May 29 - June 1, 2018 | Tuesday - Friday

OSHA 3095: Electrical Standards | 4.0 Days | 2.6 CEUs | \$865

Course Description: This course provides students with a survey of OSHA's electrical standards and hazards associated with electrical installations and equipment. Topics include: single-phase and three-phase systems; cord-connected, plug-connected, and fixed equipment; grounding; ground fault circuit interrupters; and safety-related work practices. Emphasis is placed on electrical hazard recognition and OSHA policies and procedures. Students receive instruction on safe and correct use of their electrical testing equipment. This course provides information from the OSHA regulations, NFPA 70E® changes and updates, practical discussion, and demonstrations included. NFPA 70E® is a registered trademark of the National Fire Protection Association, Quincy, MA.

June 4 - 6, 2018 | Monday - Wednesday

OSHA 2055: Cranes in Construction | 3 Days | 2.0 CEUs | \$795

Course Description: This course covers the best practices in crane and derrick operation using the OSHA Cranes and Derricks in Construction Rule as a guide. Course topics include hazards associated with crane assembly and disassembly, types of cranes, lifting concepts, rigging and wire rope, signaling, employee qualifications and training, and maintenance, repair, and inspection requirements. Students will participate in workshops to reinforce concepts of safe crane operation. Upon course completion students will have the ability to identify the types of cranes and their components and attachments, determine safe operating conditions, and recognize common violations of OSHA Standards.

June 7-9, 2018 | Thursday - Saturday

OSHA 3115: Fall Protection | 3 Days | 1.8 CEUs | \$795

Course Description: OSHA's course on fall protection/fall prevention covers OSHA's fall protection standards and policies in construction and non-construction, plus an overview of fall protection methods and best practices. Course topics include principles of fall protection, components and limitations of fall arrest systems, and OSHA standards and policies regarding fall protection. Students will participate in workshops demonstrating the inspection and usage of fall protection equipment, residential construction fall protection, training requirements, and developing a fall protection program. Upon successful completion of this course students will have the ability to assess compliance with the OSHA Fall Protection standard, evaluate installed passive systems and fall arrest systems and develop and implement fall protection plans. Additional Topics: 29 CFR 1926 Subpart M, Sample Fall Protection plans, Consensus standards and summaries, Fall hazard analysis, Fall accidents and fatalities, Litigation decisions, Pre and post test.

June 11, 2018 | Monday

NCSH 424: Hands-On Fall Protection | 1 Day | 0.7 CEUs | \$285

Prerequisites: OSHA #3115

Course Description: This hands-on course provides in-depth practical training for fall protection on conventional and unconventional applications. When work is performed on elevated surfaces or during construction and service activities, protection against falls must be considered. Contractors are required to have and/or provide a training course for each employee who might be working with or on ladders and exposed to fall hazards. Training provides participants instruction on recognizing risks and hazards of using ladders in the work environment, and solutions to minimize risks and hazards. This course is a practical all hands-on course for the "Competent Person" who will be managing this problem area.

This course is for individuals that are responsible for the supervision, implementation and monitoring of a managed fall protection program. This course incorporates extensive hands-on training and is based on the requirements of the US OSHA Regulations, and ANSI Z359.2 standard.

Students Will Learn: Selection, application and use of fall protection systems, How to properly don fall protection equipment, How to properly fit fall protection equipment, Formal inspection procedure and documentation process, Equipment cleaning, storage and disposal, Identification of hazards impacting equipment integrity, OSHA and ANSI inspection requirements

Who Should Attend: Managers, immediate supervisors of authorized persons or individuals working at height and who may be considered the Competent Persons.

June 12-14, 2018 | Tuesday - Thursday

NEW! OSHA 3085: Principles of Scaffolding | 3 Days | 2.2 CEUs | \$795

Course Description: This course covers the requirements for construction and the safe construction and use of scaffolding using the OSHA construction scaffold standard as a guide. Course topics include hazards associated with scaffold design, assembly, disassembly and use, types of scaffolds, determining scaffold capacity, employee qualifications and training, and maintenance, repair, and inspection requirements. Students will participate in workshops to reinforce concepts of safe scaffolding. Upon course completion students will have the ability to identify the types of scaffolds and their components, determine safe assembly, use, and disassembly, and recognize common violations of OSHA Standards.

June 15, 2018 | Friday

NCSH 461: Principles of Work Zone Safety | 1 Day | 0.7 CEUs | \$285

Course Description: The intended audience for this 7-hour class includes supervisors, crew leaders, inspectors, and employees who will establish or oversee safe work zones in roads, for temporary utility/construction/maintenance work (a few hours to a few days). This course focuses on field application of the 2009 Manual on Uniform Traffic Control Devices (MUTCD) Typical Applications (TAs), and related traffic control plans. Course participants will receive a printed copy of the 2009 MUTCD parts 1, 5, and 6 plus a pocket guide, course handout and certificate of completion. **Topics include:** MUTCD standards, guidelines and options, advance warning signs, flagger(s) determination; inspecting stop/slow paddles, lighted wands, retro-reflective signs and related equipment; selecting proper ANSI-compliant high visibility PPE based on lighting and weather conditions; working effectively with law enforcement personnel; cones and channelizing devices; minimum safe sight lines and stopping distance; identifying field conditions; modifications of typical applications; interpreting a traffic control plan and adaptation(s); creating a work zone inspection log; anticipating needs and providing clear, positive guidance for safe passage throughout a work zone for drivers, pedestrians, bicyclists; motorcyclists and handicapped persons.

NOTE: Training is not intended to cover work zones for high speed limited access highways where DOT traffic control plans apply.