



UT CIS Training Catalog

HEALTH & SAFETY



Center for Industrial Services
INSTITUTE *for* PUBLIC SERVICE

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THE CENTER FOR INDUSTRIAL SERVICES (UT CIS) delivers technical assistance and training to businesses and communities throughout Tennessee. UT CIS has the real-world experience and expertise to give businesses and communities the tools they need to grow, succeed and create good jobs.

In addition to having a skilled and experienced staff who can help you define and solve your most pressing problems, UT CIS can connect you with the expertise of universities, federal laboratories and other resources across the country.

Contact us at cis@tennessee.edu for more information, or visit our website at https://www.cis.tennessee.edu/health_safety.

GENERAL SAFETY

COMMUNICATING DURING EMERGENCY /

This workshop will review aspects needed for effective and positive communications during a stressful event. It will cover stakeholder perspectives along with employee, community and media concerns.

OSHA DISASTER SITE WORKER /

Increases participants' awareness of safety and health hazards, including CBRNE agents, which may be encountered at a natural or human-made disaster site. The importance of respiratory and other personal protective equipment and proper decontamination procedures that may be used to mitigate the hazards will be emphasized. Participants will support the use of an Incident Command System through the safe performance of their job responsibilities.

INDUSTRIAL HYGIENE MADE EASY /

This four hour workshop will cover major industrial hygiene regulatory issues, monitoring and measurement issues, instrumentation commonly used, hearing programs, and ventilation issues.

SAFETY COMMITTEE STRATEGIES /

The objective of this four-hour workshop is to examine successful safety committee strategies used by Tennessee companies. The workshop examines the issues such as roles of safety committees, energizing the committee and program, interaction of top management and supervisors with the committee, VPP and SHARP safety committee requirements.

CONDUCTING WORK HAZARD ASSESSMENT

This workshop provides information and exercises to help participants identify hidden workplace hazards. CIS provides DVDs about the responsibilities of management. Participants are responsible for conducting a workplace hazard assessment and evaluating the effectiveness of the Personal Protective Equipment program.

SAFETY THROUGH TEAMWORK /

This course can be used for a safety committee or team to develop skills that help them identify hazards and determine effective corrective actions. Fast-paced and interactive, the practical, four-hour course includes a safety audit and teaches attendees to: develop good communication skills, use incident investigation techniques for root cause assessment and determine effective corrective / preventive actions.

INVESTIGATION ACCIDENT BASICS /

Half day workshop that covers the practical applications of an accident investigation process. We look at how to identify causes of accidents and how to develop effective corrective actions. Effective accident investigations help companies avoid costs associated with lost-time, workers comp, and even litigation. Also covers OSHA recordkeeping basics as well.

VEHICLE RESCUE/NFPA LEVEL 1 /

Expands upon the principles and theory learned in vehicle rescue awareness to include safety considerations, hazard control and the team process. Highlights vehicle technology and its impact upon rescue activities as well as safety concerns.

VEHICLE RESCUE/NFPA LEVEL 2 / Expands upon the lessons learned and skills developed in the Vehicle Rescue Operations program, and takes them in a multitude of directions. The focus of the program is situational problem solving and the development of the team concept.

ROPE RESCUE 1/NFPA LEVEL 1 / Teaches personnel how to safely conduct basic rope rescue operations. Focuses on various knots, rescue hardware, auxiliary equipment, personal protection equipment, rope care and maintenance and standards governing basic rope rescue operations.

ROPE RESCUE 2/NFPA LEVEL 2 / Upon the successful completion of this course, emergency responders will have the skills and knowledge required for certification to Chapter 6.2. "Rope Rescue Level II," as described in the National Fire Protection Association (NFPA) 1006, Standard for Technical Rescuer Professional Qualifications (2008 edition), includes the areas of multi-point anchors, compound Mechanical Advantages (MA), highline systems, and pick-off systems.

40-HOUR LIGHT FRAME/UN-REINFORCED MASONRY COLLAPSE RESCUE.

SCR-I / Provides participants with skills and cognitive sets to safely initiate and undertake rescue/recovery operations at structural collapse incidents.

40-HOUR CONCRETE BUILDING COLLAPSE TRAINING CLASS, SCR-II / The SCR-II program is a continuation class from SCR I. The SCR-II program provides students with practical and

cognitive skill sets to safely undertake rescue/recovery operations in concrete/heavy wall structures.

HAZWOPER/HAZARDOUS WASTE MANAGEMENT

40-HOUR HAZWOPER, HAZARDOUS WASTE SITE WORKER / Learn about hazard recognition, personal protective equipment and monitoring, as well as rights and responsibilities under the Occupational Safety and Health Administration. Above all, learn how to work safely around hazardous materials and wastes. This course meets the training requirements of the Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) regulation, 29 CFR 1910.120(e)(3)(i).

8-HOUR SITE WORKER REFRESHER (HAZWOPER) / Under the HAZWOPER regulation 29 CFR 1910.120, workers who complete the 40-Hour Site Worker course must receive eight hours of refresher training every year. This course fulfills that requirement. Participants will review hazard analysis and recognition and be updated on new regulations.

24-HOUR OPERATIONS LEVEL EMERGENCY RESPONSE / Under 29 CFR 1910.120(q)(6)(ii), workers must be trained to the operations level before they are authorized to help control the spread of hazardous waste spills. In this course, students refine their ability to recognize hazards and improve their decontamination, monitoring, and safe work practices, as well as participate in full dress-out using personal protective equipment. Students must complete the medical evaluation and bring it to class.

24-HOUR EMERGENCY RESPONSE

TECHNICIAN / If you are required to physically approach and plug, patch, or otherwise stop the flow of a hazardous substance, according to 29 CFR 1910.120 (q)(6)(iii), you must be trained to the level of technician. In this hands-on course, you learn to manage a hypothetical emergency, implement a response plan, identify and classify spilled materials, use personal protective equipment and decontaminate the site.

8-HOUR EMERGENCY RESPONSE REFRESHER

(HAZWOPER) / This is the annual refresher training required for emergency response workers trained under 29 CFR 1910.120(q) (6). The course focuses on changes in the regulations, new technology, hazard recognition and hazardous materials response procedures.

16-HOUR INDUSTRIAL INCIDENT

MANAGEMENT SYSTEM / This course covers the basics of an incident command system, including how to design a system, standard operating procedures, hazard and risk evaluation, site management and control, media relations, and how a system will work with local, state and federal incident management plans.

16-HOUR DOT / This course covers and tests all the subjects needed to fulfill the U.S. Department of Transportation (DOT) requirement 49 CFR 172.704(d)(5). Under DOT regulations, employees who impact the shipping and receiving of hazardous materials must be trained and tested, then certified by their employer. This includes workers who prepare or sign hazardous materials/waste manifests, workers who prepare hazardous materials for

shipment off-site and hazardous waste generators.

8-HOUR DOT REFRESHER / After completing initial Hazardous Waste Operations and Emergency Response Standard training, under 49 CFR 172.700, refresher training is required every three years. In this course, you will review material classifications, hazard communication and requirements for loading and unloading, as well as any changes to DOT regulations.

CLANDESTINE METHAMPHETAMINE LAB DECON CONTRACTOR CLASS (24 HOURS)

Participants who successfully complete the training and state of Tennessee prerequisites meet the training requirements to become a Clandestine Methamphetamine Lab (CML) Decontamination Contractor and certified CML Hygienist. Topics include obtaining a Certificate of Cleanliness, sampling requirements, decontamination requirements, manufacturing methods and toxicology.

OSHA TRAINING INSTITUTE (OTI) IN PARTNERSHIP WITH THE SOUTHEASTERN OSHA TRAINING INSTITUTE

The Southeastern OTI Education Center is a partnership between the University of Tennessee and North Carolina State University. As an OTI ED Center we are authorized by OSHA to deliver high quality, nationally recognized training to public and private sector workers, supervisors and employers. Our experienced instructors can offer these programs to you as either open enrollment or site delivered classes. The Southeastern OTI Education Center is one of only 28 centers nationwide.

The OTI Education Centers provide training nationwide to private sector and federal personnel from agencies outside OSHA. Centers are selected based on organizational experience, staff experience, location and training facilities, marketing and recruitment, administrative capabilities, evaluation, and the ability to provide training throughout a given region. The OTI Education Centers program was created in 1992 to complement the OSHA Training Institute in Arlington Heights, Ill., which provides training and education to OSHA compliance officers.

OTI 500 TRAINER COURSE IN OSHA STANDARDS FOR CONSTRUCTION / Successful completion of this course results in participants becoming OSHA-authorized trainers in OSHA's Outreach Training Program for the Construction Industry. Authorized trainers can conduct both 10-hour and 30-hour construction industry classes that provide training to workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces along with information regarding workers' rights, employer responsibilities, and how to file a workplace safety complaint. OSHA-authorized trainers are able to issue 10 and 30-hour course completion cards to participants. During the course, students will develop a presentation and teach an assigned OSHA Construction Industry Outreach topic, and successfully pass a written exam. Participants will be provided with a variety of training materials and resources.

OTI 501 TRAINER COURSE IN OSHA STANDARDS FOR GENERAL INDUSTRY / Successful completion of this course results in participants becoming OSHA-authorized trainers in OSHA's Outreach Training Program. Authorized trainers can conduct both 10-hour and 30-hour general industry classes that provide training to workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces along with information regarding workers' rights, employer responsibilities, and how to file a workplace safety complaint. OSHA-authorized trainers are able to issue 10 and 30-hour course completion cards to participants.

OTI 502 UPDATE FOR CONSTRUCTION INDUSTRY OUTREACH TRAINERS /

This course provides an update for currently authorized OSHA Construction Industry Outreach Trainers on topics such as OSHA construction industry standards, policies and regulations. Construction industry outreach trainers are required to attend this course once every four years to maintain trainer status.

OTI 503 UPDATE FOR GENERAL INDUSTRY OUTREACH TRAINERS |

This course provides an update for currently authorized OSHA General Industry Outreach Trainers on topics such as OSHA general industry standards, policies and regulations. General industry outreach trainers are required to attend this course once every four years to maintain trainer status.

OTI 510 OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR CONSTRUCTION |

This course covers OSHA policies, procedures, and standards, as well as construction industry safety and health principles. A copy of the 29 CFR 1926 Construction Industry Standards is included with the registration fee. Participants must successfully pass a written exam at the end of the course. For those interested in becoming authorized to teach OSHA 10-hour and 30-hour construction classes, the OSHA #510 course meets one of two prerequisites for the OSHA #500 Trainer Course for the Construction Industry. Please note, the 30-hour Construction Industry OSHA outreach class is not considered equivalent to OSHA #510.

OTI 511 OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR GENERAL INDUSTRY |

This course covers OSHA policies, procedures, and standards, as well as general industry safety and health principles. A copy of the 29 CFR 1910 General Industry Standards is included with the registration fee. Participants must successfully pass a written exam at the end of the course. For those interested in becoming authorized to teach OSHA 10-hour and 30-hour General Industry classes, the OSHA #511 course meets one of two prerequisites for the OSHA #501 Trainer Course for General Industry. Please note, the 30-hour General Industry OSHA outreach class is not considered equivalent to OSHA #511.

OSHA #7410 8-HOUR EXCAVATION COMPETENT PERSON/TRENCH SAFETY (OTI 7410) /

This course covers the responsibilities of the excavation “competent person” as spelled out in OSHA 29 CFR 1926.650. Students learn the OSHA accepted soils classification methods, types of testing required, how to select protective systems, and the elements of an excavation safety program.

CONSTRUCTION WORKSHOP SAFETY OUTREACH 10-HOUR OSHA CLASS /

This course is designed to provide workers with training on construction safety and health. It is an excellent tool for the workforce, front line supervision and anyone else who needs to understand and comply with OSHA standards and regulations. Emphasis is on identifying common hazards of the construction industry and avoidance, control and prevention of hazards techniques.

OSHA WRITTEN PROGRAMS AND TRAINING

- THE REQUIREMENTS / More than 50 OSHA standards require written programs. This course provides an overview of these OSHA standards by covering written program basics and identifying example plans. It identifies who must be trained and identifies example training programs that can be accessed.

OSHA 10-HOUR GENERAL INDUSTRY / This

course provides instruction on a variety of general industry safety and health hazards. It's particularly useful for those who are just entering the safety field and would like a better understanding of what is required and where to start. Course subject matter includes an introduction OSHA; OSHA Act/General Duty Clause; inspections, citations and penalties; walking and working surfaces; means of egress and fire protection; and electrical. Note: Students who complete this will receive an OSHA 10-Hour General Industry card.

OSHA 30-HOUR GENERAL INDUSTRY / This

course covers more subjects and goes into more detail than the OSHA 10-Hour. Good for safety managers and maintenance personnel as well as safety committees, etc., course subjects include Intro to OSHA, electrical, safety and health management programs, machine guarding, permit-required confined spaces and lockout/tagout. Students who complete the course will receive an OSHA 30-Hour card.

OSHA 10-HOUR CONSTRUCTION COURSE /

This course provides instruction on a variety of construction safety and health hazards. It's particularly useful for those who are just entering the safety field and would like a

better understanding of what is required and where to start. Course subject matter includes an introduction OSHA; OSHA Act/General Duty Clause; inspections, citations and penalties; Focus Four Hazards; health hazards in construction, PPE, ladders and materials handling. Note: Students who complete this will receive an OSHA 10-Hour Construction card.

OSHA COMPLIANCE

FALL PROTECTION, SCAFFOLD AND LADDER SAFETY

/ Awareness of ladder safety, scaffold safety, basic fall protection and equipment inspected are presented in this course applicable to new hires, those moving into an industry where they are working at heights, or personnel who may provide safety oversight.

FIRST AID, CPR, AND AED WORKSHOP

/ Participants will learn the appropriate action to take in an emergency until professional help arrives. Meets OSHA standards for first aid in the workplace.

PERSON QUALIFIED RIGGER/SIGNAL

TRAINING CLASS / Upon completion of this class the basic qualified rigger will be able to: inspect rigging, use various types of rigging equipment and basic hitches, recognize associated hazards, and signal operations, identify and describe the use of slings and common rigging hardware, basic inspection techniques and rejection criteria used for slings and hardware, demonstrate proper use of American National Standards Institute (ANSI) hand signals. Describe basic hitch configurations, proper connections, and basic load-handling safety practices. Upon successful completion of this class, students will be qualified in basic rigging and signaling as to meet updated OSHA crane standards.

BLOODBORNE PATHOGENS WORKSHOP AND HEALTHCARE UPDATE

/ This workshop covers important issues of the bloodborne pathogens standard and explains what is required to comply. For example, the workplace must have an exposure control plan that details the procedures in place to protect employees

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“UT CIS always provides the highest level of training which helps us stay current on our skills.

We are looking forward to [their team] coming back for our confined space training.”

- Captain Chad Ross,
Pigeon Forge Fire Department

TRENCH RESCUE, NFPA LEVEL 1/LEVEL 2 /

Meets certification requirements for Trench Rescue operations (Level 1) or Technician (Level 2) based on NFPA 1670, 1999; NFPA 1006, 2002. Covers soil mechanics and analysis, trench assessment practices, trench protective systems, excavation safety practices, trench/evacuation dynamics, basic collapse victim care, and incident management.

CONFINED SPACE OPERATIONS/RESCUE,

NFPA LEVEL 1/LEVEL 2 / Participants will have the ability to evaluate, manage and perform a confined space rescue in accordance with NFPA 1670 and NFPA 1006.

OSHA 7845 300 LOG - RECORDKEEPING (4 HOURS) /

Learn how to complete the OSHA 300 annual summary log and use it to target injury and illnesses. The workshop covers recording criteria on hearing conservation and musculoskeletal disorders. The workshop also covers day counts, annual summary, employee involvement, privacy protection, and information reporting to the government.

MEDICAL WASTE WORKER /

This program fulfills OSHA HAZWOPER training requirements for operations-level personnel. The course is designed to serve individuals who collect biological or/and pharmaceutical waste in healthcare, research or other facilities. Class content covers requirements of the HAZWOPER standard, chemical hazard recognition exercises, interpretation of chemical hazard information resources, use of work-related PPE, waste/product collection procedures, and mitigation/response practices for incidental spills.