

Safety & Health Fundamentals Certificate Program for General Industry

Participants must complete a minimum of 7 OTI Education courses, comprised of required and elective courses that include a minimum of 68 contact hours of training to earn the certificate in *Safety & Health Fundamentals for Construction*.

- Participants must complete the 3 required courses listed below for a minimum of 39 contact hours of training.
- Participants must complete a minimum of 4 elective courses listed below that include a minimum of 29 contact hours of training.

Required Courses		
Course Number and Title	Course Description	Minimum Contact Hours
OSHA #511 <i>Occupational Safety and Health Standards for the General Industry</i>	This course covers OSHA policies, procedures, and standards, as well as general industry safety and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide.	26
OSHA #7500 <i>Introduction to Safety and Health Management</i>	Using interactive assignments and thought-provoking group projects, students of this one-day workshop come away with a strong understanding of the benefits in implementing a safety and health management system in the workplace.	5.5
OSHA #7505 <i>Introduction to Incident (Accident) Investigation</i>	Introduction to accident investigation provides an introduction to basic accident investigation procedures and describes accident analysis techniques. The goal of the course is to help participants gain the basic skills necessary to conduct an effective accident investigation at their workplace. The target audience is the employer, manager, employee or employee representative who, as part of a firm's safety and health system, would be involved in conducting accident and/or near-miss investigations.	7.5
TOTAL HOURS		39

Elective Courses for General Industry

Course Name and Title	Course Description	Minimum Contact Hours
OSHA #521 <i>OSHA Guide to Industrial Hygiene</i>	This course covers industrial hygiene practices and related OSHA regulations and procedures. Course topics include recognition, evaluation, and control of chemical, physical, biological and ergonomic hazards, Permissible Exposure Limits (PEL), OSHA health standards, respiratory protection, engineering controls, OSHA sampling protocols and strategies, and workplace health program elements. The course features workshops in health hazard recognition, OSHA health standards, and use of sampling equipment. Upon course completion students will have the ability to recognize basic industrial hygiene principles and practices, identify characteristics of common air contaminants, locate PELs, perform basic industrial hygiene calculations, and determine methods for hazard control and abatement.	26
OSHA #2225 <i>Respiratory Protection</i>	This course covers the requirements for the establishment, maintenance, and monitoring of a respiratory protection program. Course topics include terminology, OSHA Respiratory Protection Standards, NIOSH certification, respiratory protection programs, and medical evaluation requirements. Program highlights include workshops on respirator selection, qualitative and quantitative fit testing, and the use of respiratory protection and support equipment. Upon course completion students will have the ability to identify and describe the elements of a respiratory protection program, the proper selection, use, and inspection of respiratory protection, protection factors, and evaluate compliance with OSHA Standards.	26
OSHA #2255 <i>Principles of Ergonomics</i>	This course covers the use of ergonomic principles to recognize, evaluate, and control workplace conditions that cause or contribute to musculoskeletal and nerve disorders. Course topics include work physiology, anthropometry, musculoskeletal disorders, use of video display terminals, and risk factors such as vibration, temperature, material handling, repetition, and lifting and patient transfers in health care. Course emphasis is on industrial case studies covering analysis and design of workstations and equipment workshops in manual lifting, and coverage of current OSHA compliance policies and guidelines. Upon course completion, students will have the ability to recognize work-related musculoskeletal and nerve disorders, assess employer's ergonomic programs, and conduct ergonomic evaluations.	18

Elective Courses for General Industry

Course Name and Title	Course Description	Minimum Contact Hours
OSHA #3095 <i>Electrical Standards</i>	This course covers OSHA electrical standards and the hazards associated with electrical installations and equipment. Course topics include; single- and three-phase systems, cord- and plug-connected and fixed equipment, grounding, ground fault circuit interrupters, and safety-related work practices. Emphasis is placed on electrical hazard recognition and OSHA standards, policies, and procedures and applicable portions of the National Electrical Code (NEC). Students will participate in workshops on the safe and correct use of electrical testing equipment. Upon course completion, students will be able to; understand the severity of electrical current on the human body, detect electrical hazards and determine applicable OSHA standard, recognize actual and potential electrical hazards and determine hazard abatement, understand proper use of electrical testing equipment.	26
OSHA #7000 <i>OSHA Training Guidelines for Safe Patient Handling</i>	This course covers OSHA ergonomic guidelines for safe patient handling and methods to protect workers in healthcare settings, including facilities, home health care, and hospice. Course topics include developing an ergonomic program, risk factors in patient handling and transfers, identifying work processes with the potential for musculoskeletal injuries and illnesses, protocol for resident and patient assessment, and implementing solutions including work practices and engineering controls. Students will learn to analyze and identify ergonomic hazards and practical solutions to reduce musculoskeletal injuries and illnesses in their workplace.	7.5
OSHA #7005 <i>Public Warehousing and Storage</i>	The course is designed as a training course for warehouse workers and will focus on many hazards and injuries that are likely to be encountered in warehouse operations. It has been shown that warehousing has become an increasingly hazardous area to work in. OSHA has identified Public Storage and Warehousing as one of seven industries with a high lost time claims rate. Injuries may occur from forklifts; material handling and lifting; exposure to hazardous substances; and slips, trips and falls. The course will discuss: powered industrial trucks; material handling/lifting/ergonomics; hazard communication; walking and working surfaces; and exit routes and fire protection.	7

Elective Courses for General Industry

Course Name and Title	Course Description	Minimum Contact Hours
OSHA #7105 <i>Evacuation and Emergency Planning</i>	Evacuation and emergency planning focuses on OSHA requirements for emergency action plans and fire protection plans. Preparing for emergencies is a basic principle of workplace safety and health. Participants will learn: (1) reasons for emergency action plans and fire prevention plans and when they are required for a workplace; (2) elements of a good evacuation plan; and (3) features of design and maintenance of good exit routes. The optional session for this course will focus on assessment of risk for terrorist attack and how to utilize OSHA's two matrices: (1) evacuation planning and (2) fire and explosion, as tools in planning for emergencies.	4
OSHA #7115 <i>Lockout/Tagout</i>	Students will learn about the role and responsibility of the employer to develop and implement an energy control program, or lock-out/tag-out (LOTO) for the protection of workers while performing servicing and maintenance activities on machines and equipment. In addition, students will learn how to detect hazardous conditions and implement control measures as they relate to the control of hazardous energy. This course is also designed to assist students in the development and implementation of energy control programs, including written isolation procedures, training for authorized and affected employees, and periodic inspection of energy control procedures. Topics include the understanding and application of definitions relating to OSHA's Control of Hazardous Energy Standard, types of hazardous energy, energy isolation options, written program requirements, and training guidelines. At the conclusion of this course, the participant will be able to explain the importance of energy control programs, procedures, training, audits and methods of controlling hazardous energy, and will demonstrate the knowledge and skills required to safely perform servicing and maintenance activities.	7.5
OSHA #7200 <i>Bloodborne Pathogens Exposure Control for Healthcare Facilities</i>	The purpose of this course is to develop a Bloodborne Pathogens Exposure Plan for healthcare facilities using a step-by-step approach. Featured topics include an Introduction to Bloodborne Pathogens Standard, the Exposure Control Plan, Exposure Determination, Methods of Control, Vaccinations and Evaluations, Training and Information, and Recordkeeping.	7

Elective Courses for General Industry

Course Name and Title	Course Description	Minimum Contact Hours
OSHA #7205 <i>Health Hazard Awareness</i>	This course provides an introduction to common health hazards that are encountered in the workplace. These health hazards will include exposure to chemicals, asbestos, silica and lead. The course will feature these topics: identification of hazard; sources of exposure; health hazard information; evaluation of exposure; and engineering and work practice controls. The course materials will include an instructor and student manual; workshops and group activities; and PowerPoint presentations. The course is designed as an awareness course for employers and employees.	6
OSHA #7210 <i>Pandemic Illness Preparedness</i>	This course covers recognition of hazards and risks associated with a pandemic illness event and development of strategies to assist a business, community, or family with realistic preparation for a pandemic event. Course topics include potential impact of a pandemic illness event on a business and community, critical elements of a preparedness plan, and realistic strategies for supporting continuity of operations. This course offers information on strategies that can be used to control the spread of the illness, minimization of exposure to employees and family, and resources available from OSHA and other government agencies. The intended audience is the business leader and members of their management team who may be integral to preparedness planning.	5.5
OSHA #7215 <i>Silica in Construction, Maritime, and General Industries</i>	This course covers the development and implementation of controls and strategies to prevent or mitigate silica exposures in construction, maritime, and general industries. Course topics include describing the requirements of OSHA's Respirable Crystalline Silica standards and recognizing the hazards and risks, assessment options, and exposure control measures associated with silica exposure.	7
OSHA #7845 <i>Recordkeeping Rule Seminar</i>	This course covers OSHA requirements for maintaining and posting records of occupational injuries and illnesses, and reporting specific cases to OSHA. Participants who successfully complete this course will be able to identify OSHA requirements for recordkeeping, posting, reporting, and to complete new OSHA forms 300, 300A, and 301.	4

