

Safety and Health Professional (SHP) - General Industry Concentration

Participants must complete a minimum of six (6) required courses that include a minimum of 118 contact hours of training through OTI Education Center*** and/or EMU courses to earn the Safety and Health Professional - General Industry Concentration certificate.

• Participants must complete the six (6) required courses as listed below.

Required Courses		
R	OSHA #511 Occupational Safety and Health Standards for General Industry (26) This course covers OSHA Standards, policies, and procedures in general industry. Topics include scope and application of the OSHA General Industry Standards, general industry principles and special emphasis on those areas in general industry, which are most hazardous. Upon course completion students will have the ability to define general industry terms found in the OSHA General Industry Standards, identify hazards which occur in general industry, locate and determine appropriate OSHA General Industry Standards, policies, and procedures, and describe the use of OSHA General Industry Standards and regulations to supplement an ongoing safety and health program. Minimum student contact hours: 26	\$800/\$720*
	OR	
	Occupational Safety and Health Standards for General Industry – Online (26)** This course focuses on OSHA standards for general industry. Key general industry subparts are discussed in detail. Students participate in a hazard violation workshop to develop their ability to locate applicable regulations.	\$800/\$720*
R	OSHA #2015 Hazardous Materials (26) This course covers OSHA General Industry Standards and other consensus and proprietary standards that relate to the use of hazardous materials. Course topics include flammable and combustible liquids, compressed gases, LP-gases, and cryogenic liquids. Related processes such as spraying and dipping, and use of electrical equipment in hazardous locations are discussed. Upon course completion, students will have the ability to assess compliance with OSHA hazardous materials standards, determine hazardous (classified) locations, and proper moving, storing, and handling of hazardous materials. Minimum student contact hours: 26	\$800/\$720*
	OR	
	Hazardous Materials – Online (26)** This course is designed for those who are interested in increasing their knowledge of hazardous materials and related OSHA regulations and procedures. It covers OSHA general industry standards and integrates materials from other consensus and proprietary standards that relate to hazardous materials. Included are flammable and combustible liquids, compressed gases, LP-gases and cryogenic liquids. Related processes such as spraying and dipping are covered, as well as electrical equipment.	\$800/\$720*

R OSHA #521 OSHA Guide to Industrial Hygiene (26)

\$800/\$720*

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. Minimum student contact hours: 26

OR

Industrial Hygiene - Online (26)**

\$800/\$720*

This course is designed for those who are interested in increasing their knowledge of industrial hygiene practices and related OSHA regulations and procedures. Topics include permissible exposure limits, OSHA health standards, respiratory protection, engineering controls, hazard communication, sampling instrumentation, workplace health program elements and other industrial hygiene topics. Course highlights include workshops in health hazard recognition, the use of OSHA health standards and a safety and health program workshop.

R OSHA #2255 Principles of Ergonomics (18)

\$725/\$652.50*

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. Minimum student contact hours: 18

OR

Principles of Ergonomics – Online (18)**

\$725/\$652.50*

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.

OSHA #7300 Understanding OSHA's Permit-Required Confined Space Standard (7)

\$225/\$202.50*

This course covers the requirements of the OSHA Permit-Required Confined Space Standard. Course topics include safety and health hazards associated with confined space entry, and the evaluation, prevention, and abatement of these hazards. The course covers OSHA requirements; it does not feature workshops (instrumentation, control methods and testing) which are included in the OSHA

#2264 Permit-Required Confined Space Entry. This course is designed for small employers or a designated representative (line supervisor or manager) with the responsibility to develop a permit-required confined space program. Upon course completion, students will have a basic understanding of confined space hazards, evaluating and abatement of the hazards, and determining when a confined space shall be classified as a permit-required confined space. Minimum student contact hours: 7

OR

OSHA #2264 Permit-Required Confined Space Entry (20)

\$725/\$652.50*

This course covers the safety and health hazards associated with permit-required confined space entry. Course topics include recognition of confined space hazards, identification of permit and non-permit required confined spaces, use of instrumentation to evaluate atmospheric hazards, ventilation techniques, development and implementation of a confined space program, proper signage, and training requirements. This course features workshops on permit entry classification, instrumentation, and program development. Upon course completion, students will have the ability to identify permit and non-permit required confined spaces, reference the OSHA Permit-Required Confined Spaces Standard, conduct atmospheric testing, and implement a permit-required confined space program. Minimum student contact hours: 20

OR

Permit Required Confined Spaces - Online (20)**

\$725/\$652.50*

This course is designed to enable students to recognize, evaluate, prevent and abate safety and health hazards associated with confined space entry. Technical topics include the recognition of confined space hazards, basic information about instrumentation used to evaluate atmospheric hazards, and ventilation techniques. This course features workshops on permit entry classification and program evaluation.

R OSHA #3115 Fall Protection (18)

\$725/\$652.50*

This course covers the OSHA Fall Protection Standard for construction and an overview of fall protection methods. 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 use of fall protection equipment, residential construction fall protection, training requirements, and developing a fall protection program. Upon course completion, 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. Minimum student contact hours: 18

OR

Fall Protection/Competent Person - Online (8)**

\$295/\$265.50*

This course will be helpful to anyone who works on job site where fall hazards exist. The course provides workers with information about continuous and effective protection from fall hazards. Practical methods for using safety equipment are included to help students prepare to function as a competent person. The information presented in this course complies with OSHA guidelines.

^{*}Enroll as a certificate program member (\$50 membership fee) to receive a 10% discount on each course in your program.

^{**}Online offerings are not official OSHA numbered courses and may not apply to all certificate programs. Online Occupational Safety and Health Standards course does not meet the prerequisite requirement for the OSHA 501 Trainer Course.

*** Certificates must be completed within 5 years; courses completed more than 5 years ago may not be applied toward the certificate. You may transfer up to two OTI numbered courses from another OTI Education Center for this certificate. Please include course certificates with your completed course checklist when requesting your Safety and Health Professional (SHP) – General Industry Concentration certificate.

Contact ppat@emich.edu to enroll as a certificate program member or receive an application for a completed certificate.



Great Lakes OSHA Education Center