

# EDUCATION COURSE CATALOG

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AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS

The ASSP Education Catalog is updated annually, and courses are subject to change.  
For the most up-to-date course information, [click here](#).

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# BUSINESS SKILLS AND LEADERSHIP

Course Modalities:  Self-Paced Online |  Instructor-Led Online |  Live Virtual Classroom



## ANSI/ASSP Z16: Metrics and Measurements for the Modern Safety Professional

Intermediate | 1 day | 0.7 CEUs | 

The new ANSI /ASSP Z16 standard expands how we measure safety beyond traditional measures to focus on metrics used to measure success in the field of safety. Review historic metrics and discuss new metrics that would benefit the modern safety manager. We will examine the advantages and disadvantages of both leading and lagging indicators and modify the definition of loss to better identify how to apply more accurate dollar costs to identify what constitutes loss. Build the skills you need to work with upper management to select what metrics reflect “success” in managing organizational risks.

**Instructor(s):** C. Gary Lopez, M.S., CSP, FASSP

### Learning Objectives:

- Apply traditional lagging indicators, such as incident rates and lost-time incident rates, in a manner that fits with the organization’s business plans
- Select leading indicators that will be useful in preventing loss and apply such indicators to help build a safety culture and measure management accountability for safety
- Expand the types of metrics being used to measure safety performance
- Measure losses beyond direct costs
- Convert measurement of loss into financial terms

## Becoming a Competent Trainer: Increasing Skills and Boosting Relevance

Intermediate | 1 day | 0.7 CEUs | 

Behind every truly safe professional is a competent trainer. Dr. Daniel Snyder is the chair of the ANSI/ASSP Z490 Committee tasked with developing criteria for accepted practices in safety, health and environmental training. He will explain what you need to know to increase your skills and boost the relevance of your training program. Through dialogue and interactive activities, you will explore how to use your strengths, industry standards and research-based training methods to better inform and protect others.

**Instructor(s):** Daniel J. Snyder, Ph.D., CSP, CHST, OHST, SMS, CIT

### Learning Objectives:

- Describe the impact of incorporating adult learning principles into your training curriculum
- Discuss engagement techniques that help facilitate learning in face-to-face and/or virtual environments
- List important industry training standards and evaluate your current training as it relates to desired learning or behavioral outcomes

## Becoming an Effective Independent Consultant

Advanced | 1 day | 0.7 CEUs | 

Occupational safety and health (OSH) professionals often have expertise in specific industries or areas of practice that they would like to share with other organizations. The challenge is that technical expertise is not enough to start a consulting practice and make that business financially successful in the long term. This course will offer the opportunity for OSH professionals to explore what it takes to run a consulting business, beyond providing OSH expertise. It will include the traits entrepreneurs have found to be successful; basic business operations such as business plans, legal structure, financial issues, insurance, pricing strategy, proposals, contracts and letters of agreement; and finally, the marketing and sales processes that may be needed to bring in consulting work. Throughout the course, participants can network with other OSH professionals at different stages of their consulting journey and gain insight from a safety professional who successfully transitioned from employee to consulting firm owner.

**Instructor(s):** Deborah R. Roy, MPH, CSP, COHN-S, CIT, FASSP

### Learning Objectives:

- Discuss the traits that are often found in successful entrepreneurs
- Identify the basic business operations of an independent consulting practice
- Discuss three methods of pricing safety and health consulting services
- Describe three marketing strategies that can differentiate consulting products or services
- Identify the elements that are usually found in a winning proposal

## Business Strategies for the Safety Professional

Intermediate | 1 day | 0.7 CEUs | 

Safety professionals work hard to achieve safety success. However, safety programs require the funding of corporate budgets. Many safety professionals struggle to communicate the value of safety to senior leaders. This course will provide tools and methods to help you speak the language of business and align safety with other organizational initiatives.

**Instructor(s):** Mark Hansen, P.E., CSP, CPE, CPEA, FASSP

### Learning Objectives:

- Communicate the value of safety to management
- Build a business case for safety
- Use annual reports to increase future budgets

## Employment Law for Safety Professionals 2.0

Intermediate | 2 days | 1.4 CEUs | 

Review employment law issues affecting the safety profession and build skills to minimize legal risks. Topics include ADA, FMLA, retaliation risks with injured workers and whistleblowers, age discrimination, and various torts related to managing safety and security. Develop an understanding of the implications related to expanding legalization of marijuana, substance abuse testing and strategically protecting information through attorney-client privilege.

**Instructor(s):** Barry S. Spurlock, J.D., CSP

### Learning Objectives:

- Articulate foundational elements of pertinent employment laws such as ADA, FMLA and ADEA
- Examine current employment practices such as conducting employee physicals, directing/designing post-job offer physicals and functional capacity exams, managing workers' compensation claims, investigating incidents, managing security
- Evaluate employment law risks associated with those practices
- Identify potential legal risks associated with interacting and communicating with employees
- Construct strategic safety programs and policies that overlap with human resources functions
- Review the basic procedural framework of legal proceedings for employment law disputes
- Discuss attorney-client privilege and work product exceptions in a more in-depth manner
- Communicate effectively with in-house and external counsel when employment law issues and disputes arise

## Financial Basics for OSH Professionals

Beginner | 6-month Access | 0.5 CEUs | 

Build your knowledge of the terms and data finance business leaders use to evaluate projects so you can more effectively develop the financial portion of your business cases for safety and health programs, interventions and systems. With a deeper understanding of what's important to finance and business leaders, you can better engage with them, influence their decision-making process and challenge organizational assumptions about OSH investments.

**Instructor(s):** Alexi Carli, CSP

### Learning Objectives:

- Use the metrics and terms finance and business leaders use to evaluate projects and investments
- Develop effective financial business cases for safety and health programs, interventions and systems
- Demonstrate that safety and health drives value for the organization by aligning financial knowledge and terms with OSH performance



## Foundations of Effective Safety Coaching

Intermediate | 6-month Access | 0.5 CEUs | 

Coaching is often viewed as difficult and many safety professionals struggle with where to begin. This course provides the foundation for coaching in a safety-based environment with developed strategies and methods. You will learn the 5-5-5 method, discuss the coaching exchange, and takeaway tips for effectively implementing coaching to help you create your own approach to coaching effectively in a safety environment. This beginner-level course introduces the foundational knowledge in an engaging and easy-to-understand manner.

**Instructor(s):** Cole Tait, Delaney King

### Learning Objectives:

- Define the characteristics of a coach and a great coach
- Identify the five core coaching skills
- Discuss and implement the five steps of the coaching exchange
- Demonstrate how coaching can improve your organization's safety mind-set

## Great Leaders Don't Solve Problems: Principles and Practices for Finding and Preventing Hidden Safety Problems

Intermediate | 2 days | 1.4 CEUs | 

Good leaders solve problems, but great leaders prevent problems from happening. The safety profession is about prevention, and safety professionals must be experts in identifying the opportunities that exist in potential problems and preventing the problems that lead to injuries and fatalities. We must apply this knowledge to genuinely add value to our organizations. Explore ways to employ servant-leadership principles and best practices for identifying problems across the various levels in an organization before problems arise.

**Instructor(s):** Barry S. Spurlock, J.D., CSP; Earl Blair, Ph.D., CSP, FASSP

### Learning Objectives:

- Proactively identify hidden safety problems in their organization
- Identify common barriers to becoming a problem finder and describe how to overcome these barriers
- Identify organizational practices and culture that prevents workers and leaders from failing safely and learning from mistakes
- Develop organizational metrics that enable a systematic approach to identifying problems before they happen
- Select effective countermeasures for prevention before problems mushroom and result in injuries and harm
- Advise frontline supervisors on ways to engage their teams in discovering hidden problems and enthusiastically participating in safety efforts

## Selling Safety to the Front Line

Beginner | 1 day | 0.7 CEUs | 

This course will focus on the soft skills needed to influence the behavior of frontline employees. Safety can be a tough sell. Even the word “safety” may have negative connotations for those who associate it with investigations, audits and disciplinary action. Safety professionals, supervisors and operations managers must be able to sell safety at every level of the organization — not just to senior leaders. Beyond following procedures, workers can be proactive in identifying and addressing hazards. This course teaches selling techniques that will help you achieve frontline involvement in safety.

**Instructor(s):** Patrick Karol, CSP, ARM, SMS, CIT

### Learning Objectives:

- Apply key selling techniques to influence worker behavior Illustrate the importance of influencing frontline employees in building a strong safety culture
- Complete a safety leadership self-assessment and develop a personal action plan

## Strategic Thinking for Excellence in Safety

Intermediate | 1 day | 0.7 CEUs | 


Strategic thinking is a vital characteristic of any leader. Organizations view strategic thinking as a highly desired skill for corporate leaders. Develop skills to achieve greater consciousness in your thinking, which sets the stage for you to be a more proactive, creative and successful leader within your organization. Being strategic means having the courage to think deeply about what you want to do and achieve.

**Instructor(s):** Patricia M. Ennis, CSP, ARM

### Learning Objectives:

- Learn to distinguish between strategic thinking and operational decision-making, and apply a strategic thinking process to increase the effectiveness of organizational performance
- Identify characteristics of strategic thinking, and will be able to develop strategies to increase personal thinking skills using creativity, intuition, planning, and lateral thinking
- Identify barriers to effective decision making and understand how to develop strategies to overcome these barriers

## The Power of Influence

Intermediate | 1 day | 0.7 CEUs | 

As safety professionals we need to lead, persuade others and maximize our personal impact on individuals, groups, and organizations. The ability to influence is an essential leadership skill. To influence is to have an impact on the focus, attitudes, opinions, choices and behaviors of others.

**Instructor(s):** Eldeen E. Pozniak, CRSP, CMIOSH

### Learning Objectives:

- Understand concepts behind influential leadership
- Recognize the effect of trust on influence and look at how leaders effectively build trust and increase their influence with others
- Understand the six fundamental principles of persuasion and be able to apply them

# LEADERSHIP IN SAFETY MANAGEMENT CERTIFICATE PROGRAM



## Advanced Safety Management Methods

Advanced | 3 days | 2.1 CEUs | 

Safety management no longer is a compliance-driven approach to systems, best practice thinking and concepts. This contemporary approach to safety is influencing the way safety professionals deliver guidance and direction to their organizations. Whether you are an executive-level safety professional or an emerging safety leader, you will develop knowledge and tools to greatly improve safety performance in your organization.

**Instructor(s):** James Boretti, CSP; Samuel J. Gualardo, CSP, FASSP; James "Skipper" Kendrick, Jr., CSP, CIT, FASSP; Joel Tietjens, CSP, CSHM, FASSP

### Learning Objectives:

- Manage organizational safety by applying methods established by recognized and respected contemporary management innovators, behavioral scientists and great leaders in organizations and occupational safety and health (OSH)
- Apply strategy and techniques focused on risk, business and the reality of human performance to provide another dimension to OSH management in your organization
- Demonstrate safety leadership that will build a connection with senior leaders and inspire workers to perform the best safety practices

## Influential Leadership Skills

Advanced | 2 days | 1.4 CEUs | 

Safety has evolved from a function that provides only technical expertise to one that provides leadership at all levels of an organization. Contemporary safety professionals must influence executive management through effective guidance and direction. Whether you are an executive-level safety professional or an emerging safety leader, you will learn the principles of leadership, strategic thinking and planning; discuss techniques for influencing executive, middle and line management; review expected ethical behavior; and discuss how to select the best management model to improve your organization's safety performance.

**Instructor(s):** James Boretti, CSP; Samuel J. Gualardo, CSP, FASSP; James "Skipper" Kendrick, Jr., CSP, CIT, FASSP; Joel Tietjens, CSP, CSHM, FASSP

### Learning Objectives:

- Apply the principles of leadership, participating in strategic thinking and planning to lead organizational safety, and determine the occupational safety and health (OSH) model that would most benefit your organization
- Demonstrate the unique traits of successful leaders to inspire and influence workers to improve safety performance
- Develop a stronger connection to your executive, middle and line leaders
- Integrate new concepts in OSH management and leadership into your organization

# CERTIFICATION PREPARATION

## Associate Safety Professional (ASP) Exam Preparation

Beginner | 3 days | 2.1 CEUs | 

Prepare for the associate safety professional (ASP) certification examination. Learn via lecture, solve sample problems and discuss essential occupational safety and health (OSH) topics. **You need to have a TI-30XS scientific calculator to participate in this course.**

**Instructor(s):** C. David Langlois, CSP, FASSP; Michael Weigand, CSP

### Learning Objectives:

- Recognize OSH hazards
- Measure, evaluate and control OSH hazards
- Identify keys to developing and conducting OSH training
- Recognize business principles, practices and metrics
- Review BCSP certification requirements and scoring procedures
- Prepare for testing
- Identify topic areas where additional preparation is needed

## Associate Safety Professional (ASP) Exam Preparation

Beginner | One year Access | 3.0 CEUs | 

Prepare for your associate safety professional (ASP10) certification exam by reviewing occupational safety and health (OSH) concepts and test-taking strategies. In our interactive course, you will participate in a range of learning activities, watch video lectures and review more than 900 questions that address all the domains covered in the exam blueprint. Quizzes in each subject area help you immerse yourself in preparing to take your certification exam with confidence. The course package includes a hard copy of the "ASP Examination Study Guide" textbook (\$150 value) which you own and can keep for future reference and will be a great addition to your safety library.

**Instructor(s):** Institute of Safety & Systems Management Inc.

### Learning Objectives:

- Perform advanced science, mathematics and engineering functions/calculations related to safety
- Examine safety management systems, and review methods to identify, evaluate and control OSH hazards
- Use qualitative and quantitative analysis methods
- Identify key elements of developing and conducting OSH training
- Prepare emergency and crisis response plans
- Recognize business principles, practices and metrics
- Understand BCSP certification requirements and scoring procedures
- Prepare for testing and identify topic areas where you need additional learning support

## Certified Safety Professional (CSP) Exam Preparation

Intermediate | 3 days | 2.1 CEUs | 

Prepare for the certified safety professional (CSP) certification examination. Learn via lecture, solve sample problems and discuss essential occupational safety and health (OSH) topics. **You need to have a TI-30XS scientific calculator to participate in this course.**

**Instructor(s):** C. David Langlois, CSP, FASSP; Michael Weigand, CSP

### Learning Objectives:

- Apply concepts of probability, statistics and basic sciences
- Use engineering concepts for OSH, occupational health and fire protection
- Apply management principles, ergonomic analysis and risk management
- Calculate workers' compensation
- Identify legal and regulatory issues in OSH and security

## Certified Safety Professional (CSP) Exam Preparation

Intermediate | One year Access | 3.0 CEUs | 

Prepare for your certified safety professional (CSP10) certification exam by reviewing occupational safety and health (OSH) concepts that address the knowledge, skills and abilities covered by the exam blueprint and deemed essential by industry leaders. In our interactive course, you will participate in a range of learning activities, watch video lectures and review more than 950 practice questions. Quizzes in each subject area help you prepare to take your certification exam with confidence. To participate, you must have successfully passed the ASP exam or be exempt because of another certification or designation. The course package includes a hard copy of the "CSP Examination Study Guide" textbook (\$250 value) which you own and can keep for future reference. The textbook will be a great addition to your safety library. For more information, see BCSP's CSP Program Overview.

**Instructor(s):** Institute of Safety & Systems Management Inc.

### Learning Objectives:

- Perform advanced science, mathematics and engineering functions/calculations related to safety
- Examine safety management systems, and review methods to identify, evaluate and control OSH hazards
- Use qualitative and quantitative analysis methods
- Identify key elements of developing and conducting OSH training
- Prepare emergency and crisis response plans
- Apply management principles, ergonomic analysis and risk management
- Identify legal and regulatory issues in OSH and security
- Understand BCSP certification requirements and scoring procedures
- Prepare for testing and identify topic areas where you need additional learning support

## Math Review for Certification Exams

Intermediate | 1 day | 0.7 CEUs | 

Participate in an intensive overview of the mathematics knowledge you will need to pass certification exams. Become familiar with the types of math expected and practice solving challenging math questions. ***You need to have a TI-30XS scientific calculator to participate in this course.***

**Instructor(s):** C. David Langlois, CSP, FASSP; Michael Weigand, CSP

### Learning Objectives:

- Operate a scientific calculator
- Perform SI and English conversions of mass, length and time
- Perform multi-step conversions (e.g., converting miles per hour to feet per second, pounds to micrograms)
- Perform number manipulation (e.g., exponents, scientific notation, significant digits, answer accuracy and rounding, and logarithms)
- Calculate area, circumference and volume
- Graph two-dimensional linear, exponential, trigonometric and logarithmic functions
- Understand algebraic laws, concepts and word problems
- Figure right angles, trigonometry functions and word problems

## Safety Management Specialist (SMS) Exam Preparation

Advanced | 3 days | 2.1 CEUs | 

The safety management specialist (SMS) certification is intended for dedicated safety practitioners with 10 years of occupational safety and health (OSH) experience, with or without a college degree. This course prepares you for the SMS certification exam. We cover the exam's five domains and enforce concepts through video lecture, activities and practice questions.

**Instructor(s):** Paul Zoubek, CSP, CIH, CESP; Paul Esposito, CSP, CIH; James "Skipper" Kendrick, CSP, CIT, FASSP

### Learning Objectives:

- Examine the SMS domain areas and acquire foundational knowledge and skills required for SMS certification
- Practice valuable success strategies for passing the SMS exam
- Recognize OSH management system concepts
- Identify risk management concepts
- Examine physical, chemical, ergonomics and workplace safety issues to recognize and control those stressors
- Apply incident investigation and emergency preparedness concepts
- Effectively communicate business impact of safety issues to upper management



# FALL PROTECTION

## Effective Fall Protection Programs

Beginner | 2 days | 1.4 CEUs | 

Expand your knowledge of fall protection in accordance with the ANSI/ASSP Z359 family of standards related to fall protection program management and system use. Learn through hands-on exercises how to best make the critical decisions required to protect workers at height.

**Instructor(s):** Thomas E. Kramer, P.E., CSP

### Learning Objectives:

- Conduct fall hazard assessments
- Develop skills to make appropriate decisions to reduce injuries on walking/working surfaces, ladders, roofs, aerial lifts and scaffolds
- Identify elimination and control methods and develop use and rescue procedures
- Implement horizontal and vertical lifelines, and designate appropriate fall protection anchorages

## Fall Protection Equipment

Advanced | 6-month Access | 2.1 CEUs | 

Fall protection systems are safer when fall protection equipment is used as a system rather than as individual components. Develop your knowledge of the most common types of fall protection equipment—including anchorage connectors, full body harness, personal energy absorbing lanyards and self-retracting devices—and gain expert guidance on implementing each component in alignment with the current ANSI/ASSP Z359 standards. Review standard requirements, variations, uses and limitations, and discuss how to inspect and maintain fall protection equipment.

**Instructor(s):** Thomas E. Kramer, P.E., CSP

### Learning Objectives:

- Assess key considerations for using fall protection equipment that meets the ANSI/ASSP Z359 standards
- Describe the different types of fall protection equipment and assess what might be appropriate for your organization
- Evaluate common uses and limitations associated with fall protection equipment
- Identify ways to more effectively implement fall protection equipment as part of a complete personal fall protection system

## Managed Fall Protection

Intermediate | 4 weeks | 2.1 CEUs | 

This course introduces the requirements for a comprehensive managed fall protection program as detailed in ANSI/ASSP Z359.2-2017, Minimum Requirements for a Comprehensive Managed Fall Protection Program. Note: This is not intended to be competent or qualified person fall protection training.

**Instructor(s):** Thomas E. Kramer, P.E., CSP

### Learning Objectives:

- Establish guidelines and requirements for a managed fall protection program
- Eliminate or establish controls for fall hazards
- Develop a procedure for fall protection system use and rescue
- Demonstrate the tasks necessary to manage an incident investigation
- Evaluate the effectiveness of a managed fall protection program

# GLOBAL SAFETY MANAGEMENT CERTIFICATE PROGRAM



## Managing Safety and Health

Intermediate | 2 days | 1.4 CEUs | 

Explore the basic needs of managing safety and health with a global perspective and develop skills to analyze the best practices of global leaders in occupational safety and health (OSH) management. Learn through discussion, case studies and activities effective methods to implement, manage and measure a successful global OSH program within your organization.

**Instructor(s):** Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

### Learning Objectives:

- Design, implement and manage a leading safety and health process
- Apply global best practices to identify and reduce safety risks
- Evaluate the impact of OSH risks
- Integrate safety and health processes into business functions
- Develop measurement systems to achieve optimal OSH performance

## Implementing a Safety and Health Management System

Intermediate | 1 day | 0.7 CEUs | 

Examine different safety management systems to identify the most appropriate system for your organization, with a focus on systems that are applicable to global organizations.

**Instructor(s):** Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

### Learning Objectives:

- Analyze systems applicable to occupational safety and health
- Select the most appropriate system for your organization's needs
- Implement a safety management system

## International Standards and Legal Requirements for Safety Management

Intermediate | 1 day | 0.7 CEUs | 

Explore the regulations, standards and legislation that pertain to occupational safety and health (OSH) in your country. Review case studies to analyze the impact of the legal requirements in various regions of the world.

**Instructor(s):** Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

### Learning Objectives:

- Recognize applicable statutes, regulations and industry standards
- Identify and follow international legal requirements
- Identify international laws for OSH management
- Navigate legal requirements to mitigate risk

# RISK ASSESSMENT AND MANAGEMENT

## Bow Tie Analysis

Intermediate | 1 day | 0.7 CEUs | 

Advance your risk assessment skills, calculate risk reduction and escalation factors, determine control reliability and review how mitigations influence residual risk. Use fault tree and event tree analysis combined as bow tie analysis. Use sample case studies to practice how to calculate risk levels both qualitatively and semi-qualitatively.

**Instructor(s):** Paul A. Esposito, CSP, CIH

### Learning Objectives:

- Implement a bow tie risk assessment methodology
- Determine control strategies for prevention and recovery (when controls do not work)
- Integrate the hierarchy of controls to semi-quantitatively verify risk reductions

## Creating and Sustaining Effective Risk Assessment Teams

Intermediate | 6-month Access | 0.5 CEUs | 

High-functioning risk assessment teams are at the heart of any effective risk management system and risk management is most effective when all team members understand the risk assessment process. Developing and maintaining these teams usually falls to the OHS professional. Discuss effective ways to create a risk assessment team, including how to identify relevant stakeholders, develop customized training content and sustain the teams over time. We will also review processes to ensure the completed assessments meet the needs of the organization for content and quality.

**Instructor(s):** Pam Walaski, CSP

### Learning Objectives:

- Develop an appreciation for the critical role risk assessment teams play in the implementation of OSH risk management
- Discuss a methodology for identifying critical stakeholders to the risk management process and review how to ensure the right mix of stakeholders are participating on the risk assessment team
- Develop skills to create a customized training curriculum for your organization's risk assessment teams
- Describe the four most common barriers that develop in risk assessment teams when initial assessments are performed, and discuss effective methods to address them, including interventions during risk assessment, retraining or individual coaching

## Emergency Response and Preparedness

Advanced | 6-month Access | 0.8 CEUs | 

Construction and demolition sites face a wide range of threats and potential hazards, ranging from fires and explosions to acts of violence, pandemics and natural disasters. All of these can require emergency response operations, and OSH professionals can prepare for such events by applying risk assessment, situational awareness, planning and preparedness strategies.

This course, based on ANSI/ASSP A10.26, Emergency Procedures for Construction and Demolition Sites, will help you develop a base of practical competencies needed for emergency preparedness and crisis response, with a focus on planning and process implementation for emergencies on construction and demolition sites. The course does not address specific situations, such as on-scene firefighting tactics or active shooter scenarios as other standards address these scenarios in depth.

**Instructor(s):** Tim Fisher, CSP, CHMM, CPEA, ARM, STS, CAE

### Learning Objectives:

- Apply ANSI/ASSP A10.26 for emergency response planning focusing risk assessment, situational awareness, planning, synergy and preparedness
- Determine what elements need to be in your construction and demolition emergency response plan based on the requirements in ANSI/ASSP A10.26
- Demonstrate how to determine, design and implement the best-suited emergency response plan for your organization to address construction and demolition sites

## Ergonomics in Construction

Intermediate | 6-month Access | 0.5 CEUs | 

Occupational safety and health (OSH) professionals play a key role in incorporating ergonomics into construction site safety programs and culture. Gain information and review examples of practices OSH professionals can use to assess ergonomic risk factors. Use practical examples to apply the NIOSH lifting equation and implement prevention through design to effectively identify and mitigate ergonomics hazards in construction.

**Instructor(s):** Lauren Bauerschmidt, CSP

### Learning Objectives:

- Identify the big three factors of ergonomics
- Review how prevention through design concepts pair with ergonomics
- Examine how to apply the hierarchy of controls to ergonomics
- Calculate the NIOSH lifting equation
- Review checklists to implement on your construction site



## Essential Risk Assessment Tools

Beginner | 1 day | 0.7 CEUs | 

Over the course of four modules, you will develop foundational understanding of essential risk assessment tools. Module 1 covers the hazard analysis process and risk assessment definitions. Module 2 reviews essential qualitative risk assessment tools and provides a summary of essential risk assessment methods listed in ANSI/ASSP Z690.3. Module 3 introduces semi-quantitative risk assessment tools. Module 4 highlights practical applications of integrated risk assessment tools and introduces case studies. All modules include short videos, scenarios, interactive tools and assignments. You will engage with your instructor and other learners via a discussion board and complete an assignment in which you select one risk assessment technique and demonstrate successful risk-reduction methodology.

**Instructor(s):** Georgi Popov, Ph.D., QEP, SMS, CMC

### Learning Objectives:

- Use appropriate risk assessment terminology
- Describe hazard analysis and risk assessment process
- Differentiate between qualitative and semi-quantitative risk assessment methods
- Evaluate various risk assessment methodologies
- Summarize risk prioritization concepts and integrated risk assessment tools, and identify risk-reduction opportunities to effectively manage risk

## Essential Risk Assessment Tools

Beginner | 4 weeks | 1.4 CEUs | 

Our basic/fundamental course provides you with the foundational understanding of essential risk assessment tools. Learn to utilize tools for hazard identification, modify risk assessment tools and apply risk reduction concepts.

**Instructor(s):** Georgi Popov, Ph.D., QEP, SMS, CMC

### Learning Objectives:

- Use appropriate risk assessment terminology
- Describe the hazard analysis and risk assessment process
- Differentiate between qualitative and semi-quantitative risk assessment methods
- Evaluate various risk assessment methodologies
- Summarize risk prioritization concepts, integrated risk assessment tools, and identify risk reduction opportunities to effectively manage risk

## Machine Safety Risk Assessment Using the Robotics Industry Association Methodology

Beginner | 1 day | 0.7 CEUs | 

Use the task-based risk assessment methodology of Robotics Industry Association TR R15.306-2016, Technical Report for Industrial Robots and Robot Systems – Safety Requirements – Task-Based Risk Assessment Methodology, to develop knowledge and skills to conduct a risk assessment of any machine (not just robotic systems).

**Instructor(s):** Gary J. Garrahan, CHMM

### Learning Objectives:

- Identify machine safety hazards and gain insight in how to identify hazards specific to your industry
- Examine the concept of risk as it applies to machine safety and learn how to determine initial risk (risk before any safety features are considered for the machine) based on clear and unambiguous criteria
- Discuss how the selected risk-reduction measures affect safety in order to select the best option
- Discuss how the combination of initial risk and selected risk reduction measures yields residual risk (risk after safety features are considered for the machine) and review how to determine acceptable risk
- Examine safety requirements for the design and integration of safety-related parts of control systems to ensure the correct levels of safety are used in selecting risk-reduction measures
- Identify ways to prioritize risk-reduction measures when addressing existing operational machines with multiple hazards of the same risk level

## Manage Risk, Not Safety

Intermediate | 1 day | 0.7 CEUs | 

The occupational safety and health (OSH) profession is shifting from managing hazards and regulations to managing risk. It's important to understand where the profession fits into a business model, what we bring to the table and how we can demonstrate our worth. Examine the concepts of acceptable risk and residual risk, discuss how to assess risk and evaluate how this is applied in the real world. You will complete two exercises that demonstrate this assessment of risk and how to implement it in the workplace. In addition, we explore symbiotic relationships with other areas of risk management such as insurance and security and discuss how to use the latest management systems in managing risk, how to simplify these systems for smaller organizations and how to develop acceptable risk levels. Finally, we discuss safety culture and how that is the eventual goal your organization is trying to achieve in managing risk.

**Instructor(s):** C. Gary Lopez, M.S., CSP, FASSP

### Learning Objectives:

- Discuss the differences between managing risk and managing hazards/standards
- Review the role of the OSH professional in any organization
- Determine acceptable risk
- Describe ways to build a safety culture by managing risk

## Pandemic Challenges: How to Return to Work Safely

Intermediate | 6-Month Access | 1.5 CEUs | 

Occupational safety and health professionals (OSH) play a key role in bringing employees and contractors back into the workplace following a pandemic like COVID-19. Gain information and review examples of practices OSH professionals can use to help their organization resume operations and safely return people to a traditional work environment. Use practical examples of how to conduct a hazard assessment to create a plan your workplace can use to effectively identify and mitigate hazards.

**Instructor(s):** Tim Fisher, CSP, CHMM, CPEA, ARM, STS, CAE

### Learning Objectives:

- Review how to effectively conduct a risk assessment
- Create a written return-to-work plan
- Assess facilities and physical assets
- Identify entry requirements
- Prepare your team to return
- Examine importance of social distancing and proper hygiene
- Review cleaning, deep cleaning and related considerations

## Pre-Planning for Occupational Safety and Health Performance on Construction and Demolition Sites

Beginner/Intermediate | 6-Month Access | 0.5 CEUs | 

ANSI/ASSP A10.1, American National Standard for Pre-Project and Pre-Task Safety and Health Planning, can help occupational safety and health professionals, construction owners, project constructors and contractors make pre-project and pre-task safety and health planning a standard part of their projects. The standard also contains guidance to help owners establish a process for evaluating the safety and health performance and planning practices of contractor candidates.

**Instructor(s):** Tim Fisher, CSP, CHMM, CPEA, ARM, STS, CAE

### Learning Objectives:

- Use ANSI/ASSP A10.1 to establish a process for evaluating project constructor candidate safety and health performance and planning practices
- Apply guidance to establish pre-project and pre-task safety and health planning processes for construction owners, project constructors and contractors
- Discuss task hazard analysis
- Review key elements of task-specific safety and health training
- Identify the role of safety equipment

## Prevention Through Design

Beginner | 2 days | 1.4 CEUs | 

The concept of prevention through design (PTD) is defined in ANSI/ASSP Z590.3-2011(R2016), Prevention Through Design Guidelines for Addressing Occupational Hazards and Risks in Design and Redesign Processes. Review the purpose of PTD, examine the standard's content and various design approaches, and discuss how to present a PTD system to management. Learn via real-world incidents and examples that cover not only worker injuries, but also property damage and the effects on an organization. Your registration includes a digital copy of ANSI/ASSP Z590.3.

**Instructor(s):** C. Gary Lopez, M.S., CSP, FASSP

### Learning Objectives:

- Define the principles and rationale behind PTD
- Recognize your role on a design team
- Use various design approaches for PTD

## Prevention through Design

Beginner | 4 weeks | 1.4 CEUs | 

Gain a foundational understanding of prevention through design (PTD) as defined by the ANSI/ASSP Z590.3 standard. Review the different risk assessment tools used in the standard, the PTD hierarchy of controls and failure mode and effects analysis. Apply PTD methods and concepts to real-world incidents as you work through modules that include short videos, scenarios, interactive tools and assignments. Engage with other participants using our discussion board. To complete the course, you must pass a final exam with 70% grade or higher.

**Instructor(s):** Georgi Popov, Ph.D., QEP, SMS, CMC

### Learning Objectives:

- Define appropriate PTD terminology
- Assess PTD standard fundamentals
- Identify various tools to implement PTD interventions and product design
- Use PTD tools for new process design
- Effectively implement risk assessment techniques, evaluate risk prioritization concepts and develop risk reduction case studies
- Align safety and health interventions with business goals and objectives
- Develop a PTD implementation model

## Risk Assessment

Intermediate | 3 days | 2.1 CEUs | 

Risk assessment is a dynamic process that enables occupational safety and health (OSH) professionals to proactively manage workplace risks. An effective risk assessment helps you identify potential hazards that may not have been found another way and implement preventive measures. Review three main areas of a risk assessment: hazard identification, risk analysis and risk evaluation. Your registration includes a digital copy of ASSP TR-31010-2020 Technical Report: Risk Management - Techniques for Safety Practitioners.

**Instructor(s):** Paul A. Esposito, CSP, CIH; Georgi Popov, Ph.D., CSP, ARM, SMS, QEP; Deborah R. Roy, MPH, CSP, COHN-S, CIT, FASSP; Pamela J. Walaski, CSP

### Learning Objectives:

- Implement the steps of the risk assessment process
- Conduct a risk assessment leading to the identification and prioritization of your organization's hazards and controls
- Influence management to support risk-reduction plans and efforts
- Measure the effectiveness of the risk assessment process and outcomes to support your organization's objectives

## Risk Assessment

Intermediate | 4 weeks | 2.1 CEUs | 

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**Instructor(s):** Georgi Popov, Ph.D., QEP, SMS, CMC

### Learning Objectives:

- Implement the steps of the risk assessment process
- Conduct a risk assessment leading to the identification and prioritization of your organization's hazards and controls
- Influence management to support risk-reduction plans and efforts
- Measure the effectiveness of the risk assessment process and outcomes to support your organization's objectives

## Risk-Based Incident Analysis

Intermediate | 6-Month Access | 0.5 CEUs | 

Incident analysis involves collecting data and evidence and performing interviews to identify causal factors and root causes. One aspect of data quality is the ability to standardize data points, so trend analysis is viable. Getting to root cause yields numerous lessons learned opportunities if the right data is collected and analyzed. In this course, incident analysis does not focus only on the individual incident, but explains how to categorize and organize trends so areas of common weakness become apparent. Risk-centric concepts, like hazard classification, as well as the hierarchy of controls, if incorporated into incident analysis, can yield valuable insights into common weakness in your management system and risk assessment methodology. The course also uses an automotive industry 8D (discipline) process.

**Instructor(s):** Paul Esposito, CSP, CIH, SMS

### Learning Objectives:

- Identify what risk-based data can be most impactful in identifying cause factors and root causes
- Develop a standard methodology to determine immediate, corrective and preventive actions
- Trend meaningful incident data, over time, to identify management system and risk assessment weaknesses and improvement opportunities
- Quantify data input and output for strategic leading metrics and severe injuries and fatalities determination

## Enterprise Risk Management for Safety Professionals

Advanced | 4 weeks | 3.0 CEUs | 

Examine and learn how to apply the principles, framework and process of enterprise risk management (ERM) from an occupational safety and health (OSH) perspective. Learn how to integrate OSH into the ERM framework. Review components of an effective risk management process and develop methods to assess, treat, monitor and communicate risk. Develop a solid knowledge of risk management initiatives to reduce risk to an acceptable level. Gain in-depth, hands-on experience working through practical applications of risk management methods.

**Instructor(s):** Bruce K. Lyon, P.E., CSP, SMS, ARM, CHMM; Georgi Popov, Ph.D., QEP, SMS, CMC

### Learning Objectives:

- Develop upper-level risk management skills and required knowledge
- Review the ISO 31000 family of standards with the view toward integrating OSH into the ERM framework and within the OSH management system
- Gain deep understanding of the risk management techniques
- Examine how to assess, treat, monitor and communicate risk
- Apply the risk-based decision-making model

## Risk Management Framework

Intermediate | 1 day | 0.7 CEUs | 

Participate in a detailed review and discussion of all elements of risk management (establishing the context, risk assessment, risk treatment, monitoring and review, and communication and consultation). Examine how each element fits into your unique organizational profile and how to navigate common roadblocks. Discuss two key elements to the success of any occupational safety and health (OSH) initiative, management commitment and workforce participation, and how they relate to developing and implementing risk management. Review proven strategies and the role OSH professionals play in both initiatives and identify how you can leverage leadership, engage your workforce and integrate the process into a safety management system to further your role in your organization's implementation of risk management.

**Instructor(s):** Pamela J. Walaski, CSP

### Learning Objectives:

- Build deeper knowledge of the five elements of risk management defined in ISO 31000 and ANSI/ASSP Z690, describe each element and explain what implementation looks like
- Identify methods by which your organization will implement each element and describe potential barriers and the means to overcome them
- Describe the importance of leveraging your leadership and engaging your workforce as it relates to the success of risk management, and design specific techniques you can use to improve both areas
- Examine the elements of an occupational safety and health management system and formulate a plan to integrate a risk management process

## Safety Observation Blueprint

Intermediate | 6-Month Access | 0.5 CEUs | 

The course focuses on criteria beyond the hazard identification process. Review the policy behind collecting safety observations, discuss the roles and responsibilities related to observations, explore the process to ensure consistent data collection and review the data use plan used to turn observation data into actionable information. The course leverages best practices, case studies, practical tools and hands-on applications to help you can easily implement the process in your organization.

**Instructor(s):** Cary Usrey

### Learning Objectives:

- Develop a statement of purpose for your observation program
- Develop a consistent methodology for collecting observations
- Develop a robust data use plan that will aid in turning safety observation information into actionable data
- Discuss metrics and analytics you can incorporate into the safety observation program

## Safety and Technology

Intermediate | 6-Month Access | 0.5 CEUs | 

Some current occupational safety and health (OSH) risks did not exist 20 years ago. Others didn't exist last week. The OSH profession is affected by rapid technological advances. You will learn about risk identification techniques using checklists with risk aspects and smart devices, wearable sensor technology, "smart" PPE, data collection and analysis, big data management, machine learning and artificial intelligence, infrared cameras, 3D printing and holographic, training, exoskeletons, robotics and drones.

**Instructor(s):** Georgi Popov, PhD, CSP, QEP, SMS, ARM, CMC, FAIHA

### Learning Objectives:

- Develop skills to use advanced technology applications in 21st century safety profession
- Develop a plan to prepare for the challenges posed by developing and emerging risks
- Apply benefits of modern technology for the safety profession

## System Safety for Everyone

Beginner | 2 days | 1.4 CEUs | 

When you hear the term "system safety," you might think about fault trees, failure rates or even certain industries — such as oil and gas or chemical manufacturing. In truth, system safety techniques can be accessible and useful for everyone. In this introductory course, we will review three system safety analysis techniques and examine how to apply them at your organization. Then, we will discuss how to hone risk assessment skills and build better mitigation solutions. Finally, we will use these skills to draft a strategic plan. You will walk away from this course with the ability to understand and use system safety tools to identify gaps, prioritize solutions, make a strong business case and ultimately get your risk reduction plans approved.

**Instructor(s):** Camille P. Oakes, CSP, SMS, CIT

### Learning Objectives:

- Define a system
- Develop a preliminary hazard list and analysis when given an example work system
- Complete an operational and support hazard analysis for a specific task and identify missed hazards
- Complete a structured "what if" analysis of a given system
- Develop and prioritize risk mitigation solutions when a hazard is identified
- Build a strategic plan based on results from analyses
- Identify best practices in building a business case and getting risk reduction plans approved



# SAFETY MANAGEMENT CERTIFICATE PROGRAM



## Safety Management I

Beginner | 3 days | 2.1 CEUs | 

Occupational safety and health (OSH) processes have fundamental elements and conditions required by regulatory agencies. Develop a foundational understanding of these elements and examine techniques for creating an effective safety management system. Build on or confirm the current conditions of your OSH process to create a road map for an effective safety management system. This course is the first in a three-course series for obtaining ASSP's Safety Management Certificate.

**Instructor(s):** James Boretti, CSP; Samuel J. Gualardo, CSP, FASSP; James "Skipper" Kendrick, Jr., CSP, CIT, FASSP; Joel Tietjens, CSP, CSHM, FASSP

### Learning Objectives:

- Apply proven techniques to establish accountability for safety efforts
- Identify the elements of a safety management system and discuss strategies for implementing them
- Write effective policy statements and performance standards to help your management team execute its safety responsibilities
- Develop ability to promote safety to various levels in the organization
- Describe the moral, financial and legal responsibilities of today's safety professional
- Create strategies to control workers' compensation costs
- Establish a budget for a safety management effort

## Safety Management I

Beginner | 4 weeks | 3.0 CEUs | 

Occupational safety and health (OSH) processes have fundamental elements and conditions required by regulatory agencies. Develop a foundational understanding of these elements and examine techniques for creating an effective safety management system. Build on or confirm the current conditions of your OSH process to create a road map for an effective safety management system. This course is the first in a three-course series for obtaining ASSP's Safety Management Certificate. It is designed in weekly learning cycles supported by original content and engaging videos from our expert instructors. You will interact with our instructors and other learner via discussions and assignments to complete your educational goals.

**Instructor(s):** James "Skipper" Kendrick, CSP, FASSP; Joel N. Tietjens, CSP, CSHM, FASSP

### Learning Objectives:

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- Identify the elements of a safety management system and discuss strategies for implementing them
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- Develop ability to promote safety to various levels in the organization
- Describe the moral, financial and legal responsibilities of today's safety professional
- Create strategies to control workers' compensation costs
- Establish a budget for a safety management effort



## Safety Management II

Beginner | 2 days | 1.4 CEUs | 

Build on what you learn in Safety Management I to implement a safety management system within your organization and practice techniques to measure its effectiveness. This course is also ideal if you are seeking to strengthen an existing safety management system. This course is the second in a three-course series for obtaining ASSP's Safety Management Certificate.

**Instructor(s):** James Boretti, CSP; Samuel J. Gualardo, CSP, FASSP; James "Skipper" Kendrick, Jr., CSP, CIT, FASSP; Joel Tietjens, CSP, CSHM, FASSP

### Learning Objectives:

- Develop a safety management system to support your organization's strategic and business goals
- Effectively assess and measure your organization's safety performance
- Explore the influence of corporate culture and develop skills to effect changes that help your organization embrace occupational safety and health efforts
- Justify the where the safety function is best positioned within your organization's corporate structure
- Apply leadership, negotiation and communication skills to positively influence the corporate safety management system
- Analyze key initiatives for creating high-impact safety performance
- Define and discuss best practices for safety performance enhancement
- Analyze appropriate adjustments to the safety effort in response to corporate mergers, downsizing, rightsizing and reorganizing

## Safety Management II

Beginner | 4 weeks | 3.0 CEUs | 

Build on what you learn in Safety Management I to take steps to implement a safety management system within your organization and practice techniques to measure its effectiveness. This course is also ideal if you are seeking to strengthen an existing safety management system.

This course is the second in a three-course series for obtaining ASSP's Safety Management Certificate. It is designed in weekly learning cycles supported by original content and engaging videos from our expert instructors. You will interact with our instructors and other learner via discussions and assignments to complete your educational goals.

**Instructor(s):** James "Skipper" Kendrick, CSP, FASSP; Joel N. Tietjens, CSP, CSHM, FASSP

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- Analyze appropriate adjustments to the safety effort in response to corporate mergers, downsizing, rightsizing and reorganizing

## Corporate Safety Management

Intermediate | 3 days | 2.1 CEUs | 

Learn new ways to tackle challenges, craft solutions and apply the skills needed to successfully position safety in your organization. Explore corporate management systems and organizational cultures and develop insight on how you can influence them from a safety perspective. During our course, you will review corporate reporting relationships, occupational safety and health (OSH) staffing and the tenets of OSH management systems. In addition, you will use tools to assess your organization's current safety process and identify ways to adjust it to achieve desired state. Develop knowledge to apply negotiation and leadership skills to influence decision-making that affects corporate structure. Through this course, you develop a new understanding of how to apply corporate safety management concepts and systems and how to lead and influence positive outcomes that change your workplace.

**Instructor(s):** James Boretti, CSP; Samuel J. Gualardo, CSP, FASSP; James "Skipper" Kendrick, Jr., CSP, CIT, FASSP; Joel Tietjens, CSP, CSHM, FASSP

### Learning Objectives:

- Develop a safety management system to support your organization's strategic and business goals
- Effectively assess and measure your organization's safety performance
- Discuss the influence of corporate culture and develop skills to effect changes that help your organization embrace OSH efforts
- Justify where the safety function is best positioned within your organization's corporate structure
- Apply leadership, negotiation and communication skills to positively influence corporate safety management system
- Analyze key initiatives for creating high-impact safety performance
- Define and discuss best practices for safety performance enhancement
- Analyze appropriate adjustments to the safety effort in response to corporate mergers, downsizing, rightsizing and reorganizing

## Corporate Safety Management

Intermediate | 4 weeks | 3.0 CEUs | 

Learn new ways to tackle challenges, craft solutions and apply the skills needed to successfully position safety in your organization. Explore corporate management systems and organizational cultures and develop insight on how you can influence them from a safety perspective. During our course, you will review corporate reporting relationships, occupational safety and health (OSH) staffing and the tenets of OSH management systems. In addition, you will use tools to assess your organization's current safety process and identify ways to adjust it to achieve desired state. You will also learn how to apply negotiation and leadership skills to influence decision-making that affects corporate structure. Through this course, you will change your workplace thanks to a new understanding of how to apply corporate safety management concepts and systems and how to lead and influence positive outcomes.

**Instructor(s):** Samuel J. Gualardo, CSP, FASSP; James Boretti, CSP

### Learning Objectives:

- Develop a safety management system to support your organization's strategic and business goals
- Effectively assess and measure your organization's safety performance
- Explore the influence of corporate culture and develop skills to effect changes that help your organization embrace occupational safety and health efforts
- Justify the where the safety function is best positioned within your organization's corporate structure
- Apply leadership, negotiation and communication skills to positively influence the corporate safety management system
- Analyze key initiatives for creating high-impact safety performance
- Define and discuss best practices for safety performance enhancement
- Analyze appropriate adjustments to the safety effort in response to corporate mergers, downsizing, rightsizing and reorganizing



# SAFETY MANAGEMENT SYSTEMS

## Building Employee Engagement for a Strong Safety Culture

Intermediate | 1 day | 0.7 CEUs | 

This course provides practical recommendations for safety professionals, managers, leaders and other stakeholders. A portion of the content is derived from peer-reviewed articles that are based on research, safety management system guidelines, evidence-based case studies and the thinking of key psychologists in the safety field. Participants will discuss how to develop a strong safety culture and identify tools for meaningful engagement. The course will also explore differences between the roles of safety professionals, frontline supervisors and senior leaders.

**Instructor(s):** Earl H. Blair, Ph.D., CSP, FASSP

### Learning Objectives:

- Explain the benefits of employee engagement
- Identify key strategies for building a strong safety culture
- Describe the factors that motivate employees
- Advise leadership on how to engage employees in safety
- Apply lessons from case studies

## Implementing ANSI Z10 Management Systems Based on Systems Thinking

Intermediate | 4 weeks | 3.0 CEUs | 

Management systems are a powerful tool you can use to continuously improve occupational safety and health (OSH) in your organization. Expand your knowledge of foundational concepts of systems thinking and gain insights on concepts related to the new view of safety and human and organizational performance. Explore ways to develop a road map based on ANSI/ASSP Z10-2019 that organizations of all sizes can use to create a control structure to manage occupational risk and integrate with business systems. You will learn practical approaches to help you transition from program-based firefighting activities to process-driven continual improvement. These approaches recognize that system performance is the product of the interaction of elements such as leadership, worker participation, planning, implementation, monitoring and measurement, and culture.

**Instructor(s):** James C. Howe, CSP

### Learning Objectives:

- Use systems thinking to maximize effectiveness when establishing and implementing a management system
- Identify the assumptions and mental models that significantly impact your organization's occupational safety and health efforts
- Recognize the major elements of a management system and their interdependencies.
- Plan improvement actions that focus on the whole system
- Recognize employees as a source of safety resilience and improvement
- Integrate elements of ANSI/ASSP Z10-2019 with other systems such as ISO 9001, 14000 and 45001, and OSHA's Voluntary Protection Programs and Process Safety Management standard

## Implementing ISO 45001

Intermediate | 4 weeks | 2.1 CEUs | 

The ISO 45001 online course provides learners with the knowledge and confidence to successfully implement the standard. An occupational health and safety management system (OHSMS) can become an integral part of an organization's overall business operations and objectives. Enterprises that adopt the standard as part of their business practices, goals and objectives will be able to better protect their workers, brand reputation, supply chain and future growth on a global level.

**Instructor(s):** Amy Timmerman

### Learning Objectives:

- Learn to navigate the ISO 45001 standard document.
- Tell business leaders a compelling story on the importance of adopting the standard
- Create an actionable plan for adoption of the standard
- Assess the performance of your OHSMS, in relation to the ISO 45001 standard, and continuously improve your process

## Internal OHSMS Auditing Using ISO 45001

Intermediate | 5 weeks | 3.0 CEUs | 

Examine ISO 45001-2018 from an auditor's perspective. Review components of an effective internal audit program and discuss steps necessary to plan for and complete internal occupational health and safety management system audits. Learn how to document nonconformance findings, understand how to assess adequacy and effectiveness of corrective actions, and learn how to evaluate the adequacy, suitability and effectiveness of the internal audit program. As a result, you will develop a solid understanding of audit programs and processes and know how to complete an OHSMS audit. Your registration includes a copy of ISO 45001-2018.

**Instructor(s):** Kenneth A. Clayman, SMS

### Learning Objectives:

- Use tools to develop an OHSMS internal auditing program
- Plan and complete internal OHSMS audits.
- Assess and improve your organization's OHSMS based on ISO 45001

## Lean Six Sigma Tools for Safety Professionals

Intermediate | 1 day | 0.7 CEUs | 

Become familiar with risk assessment/lean six sigma tools for proposed or existing occupational safety and health (OSH) programs and projects. Learn to use lean six sigma tools as the framework to develop



and improve safety and health management programs. Review detailed case studies to examine the methodology and practice using interactive lean six sigma tools.

**Instructor(s):** Georgi Popov, Ph.D., CSP, ARM, SMS, QEP

## Learning Objectives:

- Use appropriate terminology and lean six sigma tools to implement OSH improvement programs
- Apply lean six sigma tools to existing operations and process improvements
- Effectively implement lean six sigma techniques
- Evaluate and prioritize risk and analyze risk-reduction case studies
- Use operational excellence methodology
- Identify operational value factors used to support business decisions
- Align safety and health interventions with business goals and objectives
- Use an applications program supporting lean six sigma OSH analysis

## Measuring Safety Culture

**Advanced** | 1 day | 0.7 CEUs | 

Safety management systems (SMS) are the way of the future. Safety professionals must be able to use the elements of a SMS to build a positive safety culture. Build the skills to overlap two complex areas of safety to generate a 3Dpicture of your organization's safety program. Using the 3D model, you will score your organization's safety culture on the spot and devise action plans for SMS and safety culture excellence.

**Instructor(s):** Cynthia E. Braun, CSP, CHMM, CIT

## Learning Objectives:

- Define safety culture
- Identify the pillars of an SMS
- Assess and score your company's current safety culture based on the pillars of the SMS
- Build checklists and scorecards for auditing safety management system
- Score your current safety program or management system as well as your current safety culture

## Strategic Skills for Improving and Maintaining SH&E Performance

Intermediate | 1 day | 0.7 CEUs | 

Safety professionals, managers and executives are often charged with creating, implementing and validating strategic plans for improving organizational safety performance. Improving safety performance requires valuable resources: time, money and people. Being strategic optimizes both the chance of success and the efficient use of those resources.

**Instructor(s):** Jack. J. Toellner, P.E., CSP; Zachary J. Toellner

### Learning Objectives:

- Develop a perspective to improve and maintain safety performance based on critical thinking, experience and observations how
- Develop skills to effectively communicate with senior executives
- Create an enhanced team approach to developing and executing safety improvement strategies
- Review the historic value of managing through a set of principles
- Integrate safety strategies into the business plan
- Create alignment vertically and horizontally across your organization
- Validate organizational embracement and execution of the plan

# TOTAL WORKER HEALTH

## ISO 45003: The Psychologically Healthy Workplace

Intermediate | 2 days | 1.4 CEUs | 

Psychosocial hazards are increasingly recognized as major challenges to safety, health and well-being at work. Psychosocial risks are associated with economic costs to organizations and society. Psychosocial hazards arise from how work is organized, social factors at work and aspects of the work environment. These hazards can occur in combination with other risks, can influence other hazards and can impact other workplace factors. Develop knowledge, use tools and access resources to develop high potential and resilient workforces that incorporate the tenets of ISO 45003, Psychologically Healthy Workplaces, in alignment with ISO 45001.

**Instructor(s):** Jeanette Black, Ed.D., SPHR-SCP

### Learning Objectives:

- Define the ISO 45003 Standard Psychologically Healthy Workplaces
- Define similarities and differences between ISO 45001 and ISO 45003
- Understand the relationships between Psychologically Healthy Workplaces and Employee Centered Safety Cultures
- Leverage Occupational Health and Safety, Health Improvement Strategies, and Psychologically Healthy Workplaces to mitigate risk and drive creativity and innovation
- Define metrics and measures for success for the Psychologically Healthy Workplace

## Workplace Mental Health: A Blueprint for a Healthier Workforce

Intermediate | 1 day | 0.7 CEUs | 

Managers, supervisors and leaders must ensure that work resources and processes help the organization achieve its vision and goals. One major factor that can affect progress toward goals is worker mental health. Develop knowledge and skills to create a focused and well-developed strategy for addressing this issue. Learn via case studies, peer discussions, group work and storytelling, and develop a deeper understanding about how to respond to others' mental health needs.

**Instructor(s):** Cole Tait

### Learning Objectives:

- Define and key concepts and terms associated with mental health and well-being
- Describe the importance of “training the brain” in preparation for work and life
- Analyze the barriers to care that prevent workers from seeking help for mental health issues
- Explain the roles of a supervisor, manager and leader when a worker is using unhealthy coping strategies or living with addiction
- Identify the mental health resources that are available within your workplace and community
- Discuss how to implement these strategies in your workplace

## People-Based Safety: The Human Dynamics of Achieving an Injury-Free Workplace

Advanced | 1 day | 0.7 CEUs | 

This course focuses on the individual and system factors that influence safe and risky behavior. It will address the principles of behavior and person-based psychology, hazard recognition, human error reduction, and safety leadership. Participants will also discuss ways to design jobs for improved safety performance.

**Instructor(s):** Steve Roberts, Ph.D.

### Learning Objectives:

- Use principles of behavior and person-based psychology to facilitate an ideal safety culture
- Describe how to integrate the best aspects of behavior-based safety (BBS), human and organizational performance (HOP) and other safety systems
- Apply a continuous improvement cycle to identify, understand, and improve the factors influencing behavior
- Identify hazard recognition traps Describe how to use safety culture assessments to drive improvement

## Preventing Injuries: Applying the Total Worker Health Model

Intermediate | 1 day | 0.7 CEUs | 

Preventing injuries is always the goal, but how can that be accomplished given a workforce that is aging, has complex health issues and experiences work-related injuries? NIOSH's Total Worker Health (TWH) model can help refocus injury prevention efforts by placing focus on how the workplace environment can both reduce safety risks and enhance overall worker well-being. Build skills to assess your organization based on the five elements of TWH model, identify areas for improvement, then develop a targeted action plan.

**Instructor(s):** Deborah R. Roy, MPH, CSP, COHN-S, CIT, FASSP

### Learning Objectives:

- Identify the five elements of the TWH model
- Discuss why the model works to reduce work-related injuries and enhance worker well-being
- Determine what aspects of your current safety efforts embody the TWH approach
- Recognize initial steps to help your organization improve its TWH
- Develop an action plan based on your needs assessment and available resources