



AMERICAN COLLEGE AND UNIVERSITY

2025-2026 COURSE CATALOG

A	4			
	O	5		
AB	C	C	P	6
P		M	C	7

C100: Process Safety Management

C101: Compliance Auditing

C103: Risk Based Process Safety

C104: Risk Management Program Compliance

C105: Resubmitting EPA RMPlans

F C 28

C217: APIRP 752, 753 and 756: Facility Siting Regulations and Compliance

C240: Facility Siting Hazards Analysis Techniques

AB QE 31

L A C 32

Certified ISO 9001:2015 Quality Management Systems Lead Auditor

Certified ISO 14001:2015 Environmental Management Systems Lead Auditor

Certified ISO 45001:2018 Occupational Health and Safety Management Systems Lead Auditor

Certified ISO 50001:2018 Energy Management System Lead Auditor

Certified Integrated Management Systems Lead Auditor

I A C 36

ISO 9001:2015 Quality Management Systems Internal Auditor

ISO 14001:2015 Environmental Management Systems Internal Auditor

ISO 45001:2018 Occupational Health and Safety Management Systems Internal Auditor

ISO 50001:2018 Energy Management System Internal Auditor

Integrated Management Systems Internal Auditor

C C O 40

A

For over five decades, ABS Group has set the standard for risk and reliability management, providing technical expertise to a wide range of diverse industries worldwide.

ABS Group provides data-driven risk and reliability solutions and technical services that help clients confirm the integrity, quality and efficiency of critical assets and operations. Our training experts have delivered customized public and private courses that have helped thousands of professionals globally.

We Wrote the Book

Unlike other providers, our instructors are industry experts and practicing engineers, meaning if you call us for incident investigation support, or process safety management assistance, one of our trainers may very well turn up at your site. This enables us to provide world-class training solutions, with up to date techniques from recent real-world experiences.

We deliver each of our courses; we have added our expertise to the industry standard.





At ABS Group we provide our clients with the most cost effective and flexible training options in order to meet the ever-changing needs of an organization. We have three (3) training options available to allow for the greatest flexibility.

- Private on-site instructor led
- Public in-person/virtual instructor led
- eLearning

PRIVATE ON-SITE OR VIRTUAL INSTRUCTOR LED TRAINING

Our private training is our most customizable solution, offering tailored examples and exercises based on the needs of your organization. We partner with our clients to find the best time, date and location for their training.

PUBLIC IN PERSON/VIRTUAL

Our public courses are available to any individual who wishes to attend. The courses may be attended either in person at one of our training locations around the world, or virtually from wherever your employees are based.

eLEARNING

Our eLearning options can be integrated into your in-house learning management system. With a variety of courses available to you, you can make sure your in-house training is of the highest quality with one of our online modules.

AB

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C

P

Available Certification Programs:

- PSM/RMP Auditor
- Root Cause Analysis/Incident Investigation
- Maritime Root Cause Analysis (RCA) / Incident Investigation
- PHA Leader
- Advanced PHA Leader

How Much Does a Certification Program Cost?

Certification programs are priced between \$550 to \$600 (USD).

Do I Need Any Prior Qualifications?

Certification Programs typically require attendees to have either a college

Frequently Asked Questions (FAQs)

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*“This has been a fantastic training experience!
I had fun working with other attendees who were
engaged - very refreshing!” - Client Feedback*



PM

C

Our Process Safety Management (PSM) Courses are designed to support clients who work alongside the U.S. Occupational Safety and Health Administration (OSHA) PSM regulations.

From compliance auditing to resubmitting Environmental Protection Agency (EPA) Risk Management Plans (RMP), our courses can support you on your journey to a safer facility.

CLICK | SCAN

ABOUT THIS COURSE

Learn how to interpret the performance-based requirements of the OSHA process safety management (PSM) regulation and the prevention program portion of the EPA risk management program (RMP) rule (the PSM regulations). You will also learn how to develop and implement a cost-effective PSM program for a single facility or an entire corporation.



\$1945

3 day



\$1945

4 days



Request Quote

3 days

WHO SHOULD ATTEND?

- Those needing to implement or maintain an effective PSM program
- Those who will be leading compliance auditing and risk management program compliance efforts
- Everyone who interacts with industry regulators

WHAT WILL I LEARN?

- Learn how to determine whether your facility is covered by OSHA's 29 CFR 1910.119 and EPA's 40 CFR 68
- Develop the understanding necessary to explain the PSM requirements to others in your company who need to understand the issues
- Discover a range of options for compliance that will allow you to develop a PSM program that addresses your specific needs
- Get up-to-the-minute information on OSHA and EPA regulatory enforcement activities and interpretations
- Learn to avoid costly mistakes made by others
- 2.1 Continuing Education Units (CEU)



ABOUT THIS COURSE



ABOUT THIS COURSE

This course teaches you how to use the risk based process safety (RBPS) guidelines to design a new process safety management (PSM) system, correct a deficient PSM system or improve PSM practices. This new framework for process safety builds upon the original ideas published by the Center for Chemical

CLICK | SCAN

ABOUT THIS COURSE

Learn how to evaluate and update your existing risk management plan (RMPlan) to comply with the 5-year resubmission requirements of EPA's risk management program (RMP) rule (40 CFR 68). This course provides expert guidance and proven techniques, developed by our engineers during many years of RMP compliance work, for assessing and updating RMPlans in a timely and cost-effective manner.



\$695

1 day



\$695

1 days

Request Quote

2 days

WHO SHOULD ATTEND?

- Those who have been given the responsibility of preparing and resubmitting/correcting a RMPlan to meet the requirements of 40 CFR 68 for their facility
- Anyone who needs to confirm that their facility or company has covered all regulatory responsibilities under 40 CFR 68 prior to resubmitting the RMPlan

WHAT WILL I LEARN?

- Learn the pitfalls and mistakes most commonly made when correcting and/or updating RMPlans
- Receive an update on the most recent guidance provided by EPA on RMP rule requirements, interpretations and resubmitting RMPlans
- Receive guidance/tools that will help you efficiently and cost effectively update and submit your revised RMPlan
- Gain experience in assessing/updating example RMPlans in an interactive workshop setting
- Learn ways to maintain your RMPlan to make future resubmittals easier
- 0.7 Continuing Education Units (CEU)




ABOUT THIS COURSE




CLICK | SCAN

ABOUT THIS COURSE

This course addresses OSHA process safety management and EPA risk management program mechanical integrity (MI) requirements. Attendees will learn how to develop and implement an efficient MI program. It also includes the inspection, test and preventive maintenance (ITPM) activities for equipment in the petrochemical industry and the recognized and generally accepted good engineering practices (RAGAGEPs) that are the bases for equipment design, fabrication, installation and ITPM plans.



\$1945
3 day
IN PERSON**VIRTUAL**



\$1945
4 days

Request Quote
3 days

WHO SHOULD ATTEND?

- Those who need to implement, improve and/or audit mechanical integrity programs
- Those who are responsible for mechanical integrity compliance with OSHA and EPA regulations
- Those who need to know regulations for design, inspection and construction in accordance with RAGAGEPs

WHAT WILL I LEARN?

- This course will cover the pertinent codes and standards and ITPM activities for: Pressure Vessels and Storage Tanks, Piping Systems, Relief and Vent Systems, Rotating Equipment, Instrumentation and Electrical, Fire Protection and Other Mitigation Equipment Learn strategies for developing inspection, testing, preventive maintenance (ITPM) plans, maintenance procedure lists and maintenance training programs.
- Return to your facility with the means to evaluate current plant practices and immediately begin upgrading the MI program
- Gain knowledge of codes and standards that are the foundation of equipment reliability programs for world-class facilities
- 1.9 Continuing Education Units (CEU)



PHAC




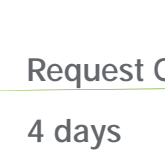


Our Process Hazard Analysis (PHA) and Revalidation courses are designed to support individuals to gain the skills necessary to perform PHAs and accompanying studies to comply with OSHA PSM and other regulatory requirements.

CLICK | SCAN

ABOUT THIS COURSE

Learn practical methods for performing process hazard analysis (PHAs) of systems, procedures and computer software using the hazard and operability (HAZOPs), what if / what-if and checklist analysis techniques that address federal regulatory requirements. Qualify as a “knowledgeable” PHA leader, as required by OSHA and EPA and be eligible for certification as a PHA leader.

  IN PERSON	<p>\$2575</p> <p>4 day</p>	 VIRTUAL	<p>\$2575</p> <p>5 day</p>	 <p>Request Quote</p> <p>4 days</p>
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WHO SHOULD ATTEND?

- Anyone who needs to learn how to apply HAZOP, what-if and checklist analyses to any process or system in industries such as chemical, petroleum, pulp and paper, explosives, mining, iron and steel, pharmaceuticals and consumer products

WHAT WILL I LEARN?

- Learn from experts how to perform a PHA, including collecting information, selecting the team, leading a meeting and documenting results
- Focus on human factors issues to analyze procedures in areas such as startup, shutdown and maintenance
- 2.8 Continuing Education Units (CEU)

CLICK | SCAN

ABOUT THIS COURSE

Gain an understanding of key concepts, techniques, and approaches for completing process hazard analyses (PHAs), management of change (MOC) hazard reviews, and related studies that meet regulatory requirements and industry best practices



\$695

1 day



\$695

1 day



Request Quote

2 days

WHO SHOULD ATTEND?

- PHA/hazard review participants, PSM program managers, auditors, information gatherers, and others who need an overview of what is involved in preparing for, completing, and documenting a good PHA

WHAT WILL I LEARN?

- Overview of PSM and PHA requirements
- Essential process safety information, team members/roles, and topics/aspects that must be covered for a regulatory compliant PHA
- Differences between commonly used terms such as PHA, MOC, and HAZOP
- Typical PHA risk ranking approaches (e.g., crediting protection layers)
- An overview of PHA technique(s), their differences, and when/how each technique is used in a PHA
- An overview of piping and instrumentation diagrams (P&IDs), their symbols and terminology, and how they are typically sectioned for a PHA
- Common approaches for covering human factors, facility siting, and previous incidents in a PHA
- PHA reporting, follow-up, and revalidation requirements
- 0.7 CEU, 0.7 COC, 1.17 CM, ABIH approval #10-223

CLICK | SCAN

ABOUT THIS COURSE

In this course attendees learn how to efficiently revalidate process hazard analyses (PHAs). By learning how to use a revalidation decision tree, attendees gain a productive revalidation tool that accounts for management goals, previous documentation, PHA quality and operating history. Whether or not you are subject to the U.S. OSHA process safety management (PSM) regulation (29 CFR 1910.119), it is considered a recognized and generally accepted industry practice to update or revalidate PHAs or other types of risk analyses every 5 years to confirm that the “risk picture” of the process or facility has not changed.



\$1325

2 day



\$1325

3 days



Request Quote

2 days

WHO SHOULD ATTEND?

- Anyone who needs to determine an appropriate approach for revalidation
- Anyone who needs to effectively address previous PHA deficiencies
- Anyone who needs to prepare for and document a PHA revalidation
- Those who want to expand their basic PHA leadership skills may want to consider taking the Advanced PHA Leader course or the Layer of Protection Analysis course

WHAT WILL I LEARN?

- Discover how to identify a revalidation approach that will work for your PHAs
- Learn ways to lead a team through a revalidation analysis that satisfies OSHA and EPA requirements
- Gain a thorough understanding of your options for addressing PHA revalidation requirements
- Learn what resources may be required to perform a revalidation and how to use them more efficiently
- Learn how to prepare for, perform and document a revalidation analysis to make future analyses easier and to produce a report useful to other end users in your company
- 1.4 Continuing Education Units (CEU)

CLICK | SCAN

ABOUT THIS COURSE

Get a refresher on (or deeper understanding of) key concepts, techniques, and approaches for efficiently conducting and documenting process hazard analyses (PHAs), management of change (MOC) hazard reviews, and related studies that meet regulatory requirements and industry best practices in this two day in person course. Previous participation in a HAZOP, what-if/checklist analysis, and/or failure modes and effects analysis (FMEA) is not a prerequisite but is recommended.



\$1325

2 day



\$1325

3 days



Request Quote

2 days

WHO SHOULD ATTEND?

- PHA leaders who need a refresher on PHA regulatory requirements and best practices as well as PHA/hazard review participants, auditors, and others who need a deeper understanding of what is involved in completing and documenting a good PHA

WHAT WILL I LEARN?

- Essential process safety information, team members/roles, and topics/aspects that must be covered for a regulatory compliant PHA
- Differences between commonly used terms such as PHA, MOC, and HAZOP
- Typical PHA risk ranking approaches (e.g., crediting protection layers)
- How to choose a PHA technique(s) and estimate how long it will take
- An overview of piping and instrumentation diagram (P&ID) symbols and terminology
- How to define the scope/boundaries and section/highlight P&IDs for a PHA
- HAZOP documentation options (e.g., cause-by-cause, interlinking deviations, handling of same/similar scenarios)
- Common approaches for covering human factors, facility siting, and previous incidents
- PHA reporting, follow-up, and revalidation requirements
- 1.4 CEU, 1.4 COC, 2.34 CM, ABIH approval #10-223



ABOUT THIS COURSE

Layer of Protection Analysis (LOPA) is the newest methodology for hazard evaluation and risk assessment. LOPA is a hybrid of qualitative and quantitative analysis and helps the analyst to make consistent decisions on the adequacy of existing or proposed layers of protection against an accident or scenario. The technique is ideally suited for companies striving to meet specific risk targets or to lower risk as low as reasonably practicable (ALARP).



ABOUT THIS COURSE

This course focuses on the principles involved in the design of safety instrumented systems (SIS) that conform to the requirements of ANSI/ISA-61511-2018. (IEC 61511 Mod). In this intensive course, we will teach you how to evaluate the need for a safety instrumented function (SIF), evaluate potential system architectures



C

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Our Root Cause Analysis courses are designed to support organizations to get to the bottom of their incidents and prepare mitigation strategies to prevent future incidents.

ABOUT THIS COURSE

This advanced follow on course to our standard RCA course (C120) allows attendees to learn advanced techniques and gain additional insight from our experienced investigators. We solicit input from each of the participants in advance so we can address the key concerns and issues of each attendee.

You will participate in additional workshops related to timelines, cause and effect trees, interviewing, physical data analysis plans, near-miss definitions and reporting and trending. Attendees also receive an overview of how to structure an effective investigation program for their company, including how to define near misses, train others to recognize and report incidents, classify incidents for assigning the appropriate investigator(s) and trend data. You will take back to your company an example of a successful incident reporting and investigation program.

WHO SHOULD ATTEND?

- Those who need to know the importance of near-miss investigations, incident classification and data trending
- Those who need to be equipped to investigate serious, complex incidents
- Those who want additional workshops in areas such as causal factor charting, cause and effect trees, etc.

WHAT WILL I LEARN?

- Identify root causes (not just causal factors) with proven techniques
- Collect data through interviews and physical data analyses – numerous workshops are used to reinforce these topics
- Apply powerful techniques for causal factor identification, including causal factor charting, cause and effect trees, change analysis and timelines
- Use ABS Group's Root Cause Map™ to aid in root cause identification
- Avoid future incidents by developing appropriate recommendations to address causal factors and root causes
- Structure reports for optimum effectiveness
- Develop your data-trending process to identify systemic problem areas
- 1.4 Continuing Education Units (CEU)





ABOUT THIS COURSE

Attendees learn how to examine and categorize specific human errors to identify the conditions and situations that contributed to mistakes. Attendees also discover why most human mistakes and human factors

F

C

ABOUT THIS COURSE

This course addresses the regulatory requirements for facility siting and gives an overview of the methods to satisfy the requirements. It specifically reviews the American Petroleum Institute (API) recommended practice (RP) documents 752 (Management of Hazards Associated with Location of Process Plant Permanent Buildings), 753 (Management of Hazards Associated with Location of Process Plant Portable Buildings) and 756 (Management of Hazards Associated with Location of Process Plant Tents). These documents give guidance for managing the risk from explosions, fires and toxic material releases to on-site personnel located in permanent or portable buildings. The course is a management-level overview.

Request Quote

1 days

WHO SHOULD ATTEND?

- Those who must perform facility siting assessment needs
- Those who must manage facility siting needs
- Those who must review facility siting needs

WHAT WILL I LEARN?

- Look specifically into API RP 752, 753 and 756 documents
- Gain an overview of the requirements and review the methods needed to satisfy them
- Learn what those results and recommendations could mean to your company
- 0.7 Continuing Education Units (CEU)

COMBINE C217 & C240 TO SAVE

ABOUT THIS COURSE

Learn what you need to do to satisfy the hazards analysis portion of OSHA facility siting requirements using either a consequence or risk-based approach. This technical course is designed for the process safety professional who performs facility siting studies. Students should bring a calculator or computer.

WHO SHOULD ATTEND?

- Those who must perform facility siting hazard analyses
- Those who review facility siting hazard analyses performed by others
- Those who supervise engineers that perform facility siting hazard analyse

WHAT WILL I LEARN?

- How to apply techniques for calculating the effects from fire and toxic hazards, including evaluating the vulnerability of personnel evacuations
- How to apply specific techniques for calculating N(1F00 in



All of our ISO and Cybersecurity Maturity Model Certification Training is conducted by ABS Quality Evaluations, an ABS Group Company. ABS QE is a world-leading certification body that can work with your company to help you better assure business, systems, people and supply chain performance through management systems certification, verification, assessment and training.

qetraining@abs-qe.com

I O C M M


ABS QE's training and development solutions are designed to help organizations and individuals improve personal competence and skills. Our expert trainers are experienced practitioners in their field, and our training moves beyond theory, giving you valuable real-world insights. Our training uses the most current methods and management principles to help you integrate your management system principles into your operations. We incorporate hands-on exercises to implement and evaluate systems and offer foundation, overview, internal and lead auditor training.



L A C I O

Our ISO standard courses are available to those seeking to become a lead auditor for ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018 and IMS.

Certified ISO 9001:2015 Quality Management Systems (QMS) Lead Auditor



ABOUT THIS COURSE

This course is designed for those who plan and/or conduct audits of Quality Management Systems (QMS) under the ISO 9001:2015 standard. We use quality principles, concepts and tooling, based on the requirements of the ISO 9001:2015 standards and the audit and leadership requirements based on ISO

Certified Integrated Management Systems Lead Auditor



Virtual, Instructor-Led Course - See website for full details

ABOUT THIS COURSE

This Integrated Management Systems (IMS) Lead Auditor course provides comprehensive training in the principles and practices of an IMS audit. Designed for professionals looking to develop their skills in auditing and assessing, this course covers the latest industry standards and guidelines for an IMS audit including ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. Participants will learn about the audit process, including planning, preparation, conducting, reporting and follow-up. Upon its completion, participants will be equipped with the necessary knowledge and skills to lead an effective IMS audit and assessments, with the capability to provide insights and recommendations to organizations.

WHO SHOULD ATTEND?

- This course was developed for those who will be planning and/or driving Quality, Environment and Occupational Health and Safety audits

WHAT WILL I LEARN?

- The benefits of integrated Quality, Environment and Occupational Health and Safety systems
- Obtain knowledge of ISO 9001:2015, ISO14001:2015, 45001:2018 and ISO 19011:2018 requirements
- Understand the principles and methods of execution audits against ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018
- Learn how to prepare, execute and lead an audit, then how to evaluate and report audit findings



I A I O C

Our ISO standard courses are available to those seeking to become an internal auditor for ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018 and IMS.

If you are responsible for auditing or managing your organization's quality, environmental, energy or occupational health and safety management systems, our courses help provide you with the practical and technical information you need to achieve and maintain your certification.

ISO 9001:2015 Quality Management Systems (QMS) Internal Auditor



Virtual, Instructor-Led Course - See website for full details

ABOUT THIS COURSE

This ISO 9001:2015 Internal Auditor course is designed for professionals involved in quality management and assurance, including those looking to learn more about the ISO 9001:2015 standard. This course will provide participants with the knowledge and skills needed to perform internal audits of an organization's Quality Management System (QMS) based on the ISO 9001:2015 requirements. This course involves interactive sessions and practical exercises to provide participants with hands-on experience in conducting internal audits.

WHO SHOULD ATTEND?

- Those responsible for conducting internal audits and implementation of Quality Management Systems and preparing audit reports

WHAT WILL I LEARN?

- The benefits of documented quality assurance systems
- Gain knowledge of the ISO 9001:2015 and ISO 19011:2018 requirements
- Understand the principles and methods of performing audits against ISO 9001:2015
- Learn how to prepare, perform and lead an audit as well as how to evaluate and report audit findings

ISO 14001:2015 Environmental Management Systems (EMS) Internal Auditor

ABOUT THIS COURSE

This ISO 14001:2015 Internal Auditor course is designed to provide participants with a comprehensive understanding of the ISO 14001:2015 Environmental Management Systems (EMS) standard and the skills necessary to perform a successful internal audit of an EMS. Through interactive training and practical training, participants will learn about the requirements of the ISO 14001:2015 standard and how to assess an organization's compliance against it. By the end of the course, participants will have the knowledge and

WHO SHOULD ATTEND?

- Those that are involved with Environmental Management Systems, conducting internal audits and reporting on those audits

WHAT WILL I LEARN?

- Analysis and interpretation of ISO 14001:2015 requirements
- How to evaluate, scope and implement Environmental Management System audits

ISO 45001:2018 Occupational Health and Safety (OH&S) Internal Auditor



Virtual, Instructor-Led Course - See website for full details

CLICK | SCAN

ABOUT THIS COURSE

This course will provide participants with the necessary training to conduct internal audits, prepare audit reports and notify areas of non-compliance to ISO 45001:2018. Through interactive and practical training, participants will learn about the requirements of the standard and how to plan, execute and report on an internal audit, as well as how to communicate the findings to management. Upon completion, participants will have the knowledge and skills necessary to serve as internal auditors for their organizations, helping to ensure their Occupational Health & Safety (OH&S) program is functioning effectively.

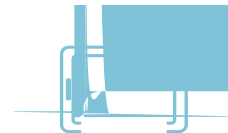
WHO SHOULD ATTEND?

- This course is intended for people involved with the Occupational Health and Safety Management Systems

WHAT WILL I LEARN?

- Risk assessment and the scope of an Occupational Health and Safety Management System
- How to plan, conduct and communicate the results of an audit
- How to identify and record any instances of noncompliance

ISO 50001:2018 Energy Management System (EnMS) Internal Auditor



Virtual, Instructor-Led Course - See website for full details

CLICK | SCAN

ABOUT THIS COURSE

This course is for those responsible for managing their organization's Energy Management System (EnMS). Participants will learn about the requirements of the ISO 50001 standard and how to assess an organization's compliance against it. Participants will also learn how to plan, execute and report on an internal audit and communicate their findings.

WHO SHOULD ATTEND?

- Professionals who are responsible for their organization's Energy Management System and sustainability initiatives

WHAT WILL I LEARN?

- The structure, history and implementation of a successful Energy Management System
- How to analyze, assess risk and identify areas for improvement in your organization's energy management system
- How to conduct internal audits and provide reports to stakeholders

Integrated Management Systems Internal Auditor



Virtual, Instructor-Led Course - See website for full details

CLICK | SCAN

ABOUT THIS COURSE

This course provides comprehensive training and practices of internal auditing for an Integrated Management System (IMS), focusing on Quality, Environmental and Occupational Health and Safety Management. Upon completion, participants will have an in-depth understanding of the requirements of the ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 standards and how to conduct their audits and report findings of non-conformance. With our expert trainers and through hands-on training, participants will leave the course with the confidence and ability to conduct these internal audits and report their findings effectively.

WHO SHOULD ATTEND?

- This combo course is intended for anyone involved with the auditing or implementation of Quality, Environmental and Occupational Health and Safety Management Systems

WHAT WILL I LEARN?

- The history, structure and interpretation of ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018
- How to analyse, program and plan audits for ISO 9001:2015, ISO 14001: 2015 and ISO 45001:2018
- How to assess risk, scope and implement a successfully integrated Quality, Environmental and Occupational Health and Safety Management System



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Our combined course option allows you to get the most out of our training solutions by providing coinciding industry courses that offer considerable savings.

Combined Courses

Our combined courses offer participants the chance to take two or more of our most popular courses, in the same week, for a discounted rate. These courses have been specially curated by our experts to support attendees in their professional development, and maximize their training and development.

