

Course No. 1969

Integrated Health, Safety & Environment (HSE) Management Systems Training Course

HEALTH, SAFETY & ENVIRONMENT MANAGEMENT
HEALTH, SAFETY, ENVIRONMENT & SUSTAINABILITY

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The Integrated Health, Safety & Environment (HSE) Management Systems Training Course provides a comprehensive framework for designing, integrating, implementing, and continuously improving HSE management systems across organizational operations. The course focuses on creating a unified management approach that connects occupational health, workplace safety, environmental protection, risk management, compliance, operational controls, and performance improvement.

Participants will explore the fundamental components of an integrated HSE management system, including organizational context, leadership, planning, risk and opportunity management, legal and regulatory requirements, operational control, competence, communication, documentation, performance evaluation, auditing, management review, and continual improvement. The program emphasizes practical integration rather than managing health, safety, and environmental activities as isolated functions.

The course also examines how integrated HSE systems can reduce duplication, strengthen accountability, improve consistency of procedures and controls, enhance regulatory readiness, and provide management with a clearer view of organizational risk and performance. Participants will learn how to align HSE processes with business objectives while maintaining effective operational and environmental controls.

Through practical exercises, gap assessments, process mapping, risk analysis, system integration activities, audit scenarios, and implementation planning, participants will develop the capability to assess existing HSE arrangements, identify integration opportunities, design an effective integrated framework, and establish mechanisms for monitoring, review, and sustainable improvement.

Objectives

- By the end of the course, participants will be able to:
- Explain the principles and strategic value of integrated HSE management systems.
- Assess the current maturity and effectiveness of an organization's HSE management arrangements.
- Identify opportunities to integrate health, safety, environmental, risk, and compliance processes.

- Map HSE requirements to organizational processes, responsibilities, and controls.
- Apply risk-based approaches to integrated HSE planning and management.
- Establish clear leadership, accountability, and governance arrangements.
- Develop integrated HSE objectives, targets, indicators, and action plans.
- Strengthen operational controls for occupational health, safety, and environmental risks.
- Integrate legal, regulatory, and internal compliance requirements into HSE processes.
- Improve HSE documentation, communication, competence, and records management.
- Design integrated monitoring, auditing, and assurance processes.
- Analyze HSE performance data and identify systemic improvement opportunities.
- Apply corrective action and continual improvement methodologies.
- Integrate contractor and third-party HSE requirements into the management system.
- Develop practical implementation roadmaps for integrated HSE systems.
- Establish sustainable mechanisms for reviewing and improving integrated HSE performance.

Who Should Attend

This course is designed for HSE managers, health and safety professionals, environmental managers, HSE coordinators, compliance specialists, risk professionals, internal auditors, and personnel responsible for developing or maintaining management systems.

It is also suitable for operations managers, project managers, engineering and maintenance professionals, quality managers, process owners, regulatory affairs specialists, business continuity and operational assurance professionals, contractor management teams, and senior managers responsible for organizational risk and performance.

The program is particularly relevant to organizations operating in oil and gas, petrochemicals, energy, utilities, manufacturing, construction, engineering, mining, transportation, logistics, infrastructure, government, and other organizations where occupational health, safety, environmental protection, and operational risk must be managed through an integrated framework.

Learning Outcomes

- Upon completion of the course, participants will be able to:
- Evaluate the maturity and effectiveness of an existing HSE management system.
- Identify overlaps, gaps, and duplication across health, safety, and environmental processes.
- Develop an integrated HSE management system structure aligned with organizational needs.
- Map HSE requirements, processes, risks, controls, and responsibilities.
- Establish integrated risk registers and risk-based management priorities.
- Define clear HSE roles, responsibilities, authorities, and accountability mechanisms.
- Develop integrated objectives and performance measurement frameworks.
- Strengthen operational controls for workplace and environmental risks.
- Incorporate legal and regulatory obligations into operational HSE processes.
- Improve consistency of HSE procedures, documentation, and communication.
- Design integrated audit, inspection, monitoring, and assurance programs.
- Evaluate HSE performance and identify systemic weaknesses.
- Develop effective corrective actions and verify their effectiveness.
- Integrate contractor HSE management into the wider organizational system.
- Prepare practical implementation and transition plans.
- Establish a continual improvement framework for long-term HSE performance.

Course Outline

DAY 01

Foundations of Integrated HSE Management Systems

- Principles and objectives of integrated HSE management.
- Evolution from separate health, safety, and environmental systems.
- Benefits and challenges of integration.
- Key components of an integrated management system.
- Organizational context and internal and external factors.
- Stakeholder expectations and organizational requirements.
- HSE leadership, commitment, accountability, and governance.

DAY 01 — CONTINUED

- Roles, responsibilities, authorities, and process ownership.
- Integration of HSE with business and operational objectives.
- Assessing current HSE system maturity.

PRACTICAL APPLICATION

Conduct an initial maturity and integration assessment of an organization's existing HSE management arrangements.

DAY 02

Integrated Planning, Risk Management and Compliance

- Integrated HSE planning principles.
- Hazard identification and risk assessment.
- Environmental aspects, impacts, and environmental risk.
- Risk and opportunity management.
- Legal and regulatory requirements.
- Developing and maintaining compliance obligations.
- Risk-based prioritization of HSE activities.
- Establishing HSE objectives and targets.
- Developing integrated action plans.
- Management of operational and organizational change.
- Linking HSE planning with strategic and operational planning.

PRACTICAL APPLICATION

Develop an integrated HSE risk and compliance framework for a selected organization or operational process.

DAY 03

Integrated Operational Control and System Implementation

- Operational planning and control.
- Developing consistent HSE procedures and work processes.

DAY 03 — CONTINUED

- Control of high-risk activities.
- Occupational health and workplace safety controls.
- Environmental operational controls.
- Emergency preparedness and response.
- Contractor and third-party HSE management.
- Competence, training, awareness, and workforce engagement.
- HSE communication and consultation.
- Documented information and records management.
- Implementing integrated controls across operational functions.

PRACTICAL APPLICATION

Map a critical operational process and develop integrated health, safety, environmental, and risk controls.

DAY 04**Performance Evaluation, Auditing and Corrective Action**

- Principles of integrated HSE performance evaluation.
- Leading and lagging performance indicators.
- Monitoring, measurement, and data analysis.
- Integrated inspections and workplace observations.
- Integrated HSE auditing and assurance.
- Audit planning, evidence collection, and findings.
- Identifying nonconformities and system weaknesses.
- Root cause analysis.
- Corrective and preventive action management.
- Verification of corrective action effectiveness.
- Management reporting and performance review.

DAY 04 — CONTINUED

PRACTICAL APPLICATION

Conduct a simulated integrated HSE audit, identify system-level findings, analyze their causes, and develop corrective action plans.

DAY 05

Governance, Continual Improvement and Integrated HSE Excellence

- Management review of integrated HSE performance.
- HSE governance and executive oversight.
- Evaluating the effectiveness of the integrated management system.
- Eliminating duplication and improving process efficiency.
- Integrating HSE performance with operational excellence.
- Organizational learning and knowledge management.
- Using HSE data to support management decisions.
- Developing integrated improvement initiatives.
- Measuring system maturity and improvement progress.
- Building a proactive HSE culture.
- Developing implementation and sustainability mechanisms.
- Establishing a continual improvement cycle.

FINAL WORKSHOP

Develop a complete Integrated HSE Management System framework for a complex organization, covering governance, context, risk management, compliance, operational controls, competence, communication, contractor management, performance measurement, auditing, corrective action, management review, and continual improvement.



Register or Request More Information

Course page: <https://quest-training.com/courses/integrated-health-safety-environment-hse-management-systems-training-course>

Website: <https://quest-training.com>

Email: info@quest-training.com

Phone: +905016771440

