5-DAY INTENSIVE TRAINING WORKSHOP

# Certified Safety Professional (CSP) Certification

Champion a safer workplace through expertise, prevention, and proactive leadership.



GLOBAL TRAINING INSTITUTE

# Course Description

The **Certified Safety Professional (CSP) Certification** course is designed for experienced safety professionals who want to lead and manage safety systems in high-risk industries. The course covers practical and strategic tools for building effective safety programs, managing process safety, handling emergencies, and promoting a strong safety culture. It also introduces the use of modern technologies like AI, digital twins, and predictive analytics to improve safety performance and decision-making.

# Who Should Certify

**This certification is ideal for:**

- Safety Managers, Engineers, and HSE Specialists
- Safety Directors and Program Leaders
- Safety Consultants and Auditors
- Anyone responsible for overseeing safety systems in complex industrial environments

# Course Objectives

**Upon completion of this certification, participants will be able to:**

- Lead and improve company-wide Safety Management Systems (SMS)
- Conduct advanced risk assessments using tools like HAZOP, FMEA, Bow-Tie, and LOPA
- Design and manage Process Safety programs, including MOC, PSSR, and RCA
- Prepare for and respond to emergencies effectively, including crisis communication
- Use new technologies (AI, ML, digital twins, IIoT) for real-time safety insights
- Build a strong safety culture using leadership, communication, and behavior-based safety methods
- Ensure compliance with global safety regulations like OSHA, ISO 45001, and API standards
- Measure safety performance using data and show ROI for safety initiatives
- Create effective training programs using modern tools such as AR/VR

# Course Content

**Module 1: Safety Management & Leadership**

- Building effective safety systems aligned with ISO 45001
- Engaging leaders and teams in safety goals and performance
- Promoting a strong safety culture and addressing human factors
- Understanding the business case and cost savings of safety investments

**Module 2: Risk Management & Process Safety**

- Performing detailed risk assessments and hazard analysis
- Using tools like HAZOP, LOPA, FMEA, Bow-Tie, and risk matrices
- Managing process safety lifecycle: integrity checks, PSSR, MOC, and audits
- Integrating cyber and physical risks in industrial systems

**Module 3: Emergency Response & Fire Safety**

- Designing emergency response plans and practicing drills
- Fire prevention systems and alarms in industrial settings
- Managing crisis communication with internal teams and external agencies
- Enhancing fire safety and system reliability in high-risk environments

**Module 4: Health, Hygiene & Ergonomics**

- Monitoring and managing workplace exposure to hazardous substances
- Applying ergonomics in workstation and process design
- Promoting employee health and mental wellness
- Using wearable tech for safety alerts and fatigue monitoring

**Module 5: Legal Compliance & Incident Investigation**

- Understanding key safety regulations (OSHA, Seveso III, API, NFPA)
- Managing contractor safety and legal responsibilities
- Investigating incidents using RCA tools like TapRooT and Tripod Beta
- Learning from failures and applying corrective actions

**Module 6: Training, Communication & Performance**

- Designing training programs with interactive and immersive tools (AR/VR)
- Communicating safety messages clearly across all levels
- Measuring training impact and behavior change
- Conducting audits and tracking safety indicators for improvement

# Certificate Accreditations

The Certificate **Certified Safety Professional (CSP) Certification** course equips participants with key skills and knowledge for career success. It enhances credibility and provides insights into industry standards. Through theory and practical application, it prepares individuals for real-world challenges, offering expert instruction and networking opportunities.

This course will be accredited by one of the following organizations. Please contact us for more information.

Cambridge Training College Britain

INSTITUTE OF SUPPLY CHAIN MANAGEMENT MENA

IBIU UNIVERSITY

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