

NEBOSH HSE Certificate in Process Safety Management



DESIGNED FOR HIGH HAZARD INDUSTRIES WHERE PSM IS CRITICALLY IMPORTANT

Course Overview

This qualification is a joint collaboration between NEBOSH and UK's Health and Safety Regulator, the Health and Safety Executive (HSE). The collaboration combines the advanced technical 'high hazard' expertise of the HSE with NEBOSH's ability to deliver strong vocational OSH qualifications.

Process safety management (PSM) is a blend of engineering and management skills. It focuses on the prevention of catastrophic accidents and near misses associated with loss of containment of energy or dangerous substances such as chemicals and hydrocarbons.

This qualification aims to provide delegates a sound breadth of knowledge and understanding of the accepted principles and recognised industrial practices for the management of process risk. This will enable them to recognise and contribute to the control of process safety hazards/risks and effectively manage their process safety responsibilities.



Who Should Attend

The qualification is for personnel who work in process industries such as oil and gas, chemicals, plastics and pharmaceuticals; ideal for supervisors, newly appointed managers, junior managers, safety representatives and health and safety advisors working within the process industries.

Important note: this qualification is not designed for process safety/chemical engineers with extensive operational experience of working within the processing environment.

Course Content

- Establishment of process management systems
- Asset management and maintenance strategies
- Safe Start-up and shutdown of process plant
- Performance standards for safety critical systems and equipment
- Hazards and controls for
 - chemical reactions
 - bulk storage of dangerous substances
 - fire and explosion
- Purpose and features of emergency plans

It is divided into the following four key elements: *Process safety leadership*, *Management of process risk*, *Process safety hazard control* and *Fire and explosion protection*.

Entry Requirements

There are no entry requirements, but it is recommended that the delegates should have an underpinning knowledge of health and safety issues. Delegates should have a suitable standard of English language in order to understand and articulate the concepts contained in the syllabus (*equivalent to International English Language Testing System (IELTS) score of 6.0 or higher in IELTS tests*).

Benefits for Employees

- **Knowledge**– The training is designed to provide a sound breadth of knowledge that will allow you to contribute to the effective management of process safety risks.
- **Recognition**– This qualification is the result of a unique collaboration which combines the advanced technical 'high hazard' expertise of the HSE with NEBOSH's ability to deliver strong vocational OSH qualifications. HSE has led the way in risk-based regulation, underpinned by the fundamental principle of UK health and safety law – those who create risks are best placed to control them and should do so in a proportionate and practical way.
- **Career Prospects**– Process Safety Management is of vital importance in hazardous process industries such as oil and gas, chemicals, plastics and pharmaceuticals. Holding a qualification designed and assessed by NEBOSH and the HSE can help you stand out.

Benefits for Employers

Employers will benefit by giving their staff the opportunity to take this qualification, including

- **A safer workplace**– The NEBOSH HSE Certificate in Process Safety Management is all about keeping people safe from injury and loss of life. For employers this also means protecting valuable assets and avoiding prosecution, litigation and loss of reputation.
- **Assurance**– An employer whose workers are NEBOSH qualified is an employer committed to process safety management. The NEBOSH HSE Certificate in Process Safety Management can help employers achieve international standards and can even help win new business.
- **Return on investment**– A worker with the NEBOSH HSE Certificate in Process Safety Management has practical knowledge that brings real value, wherever they operate.

Course Duration & Study Modes

Full-time— 4 days classroom training. This course is 28 taught hours and approximately 20 hours of private study.

Assessment and Certification

Unit PSM1 is a taught unit, assessed by a 90 minute, 40 question multiple-choice question examination. There is no practical element to this qualification.

Upon successful completion with a 'Pass' in Unit PSM1, delegate will be awarded with NEBOSH HSE Certificate in Process Safety Management issued by NEBOSH.

Professional Recognition and SQA Accreditation

This qualification is not SQA accredited. However it is intended to be broadly comparable to Level 7 in the Scottish Credit and Qualifications Framework (SCQF), comparable to RQF Level 4 in England, Wales and Northern Ireland.

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