



**SAFETY TRAINING
AND CONSULTANCY CENTRE**
مركز السلامة للتدريب والاستشارات



NEBOSH

**International Technical Certificate
in Oil and Gas Operational Safety**



nebosh

**LEARNING
PARTNER**

BRONZE 558



وزارة العمل والتنمية الاجتماعية
Ministry of Labour
and Social Development



Build Safer Community!

WHY TAKE NEBOSH INTERNATIONAL TECHNICAL CERTIFICATE IN OIL AND GAS OPERATIONAL SAFETY?

This qualification is for those working in the oil and gas (or related) industries, who need to gain a sound understanding of the principles of operational health and safety that apply in their specialist area. For some, the International Oil and Gas Certificate can be an important step towards establishing a lifelong professional career in occupational health and safety. .

The key topics covered by the qualification are:

- Hazards inherent in the extraction, storage and processing of raw materials and products
- Hydrocarbon process safety
- Risk management techniques used in the oil and gas industries
- Contractor management
- Fire and explosion controls in the oil and gas industries
- Marine and Land logistics organization.

Overview

The qualification focuses on hydrocarbon process safety, so that learners can effectively discharge workplace health and safety responsibilities both onshore and offshore throughout the world. It also highlights the importance of process safety management.

Topics include:

- Hazards inherent in the extraction, storage and processing of raw materials and products
- Hydrocarbon process safety
- Fire protection and emergency response
- Logistics and transport operations

Course Details

Certificate: NEBOSH UK

Duration: 34 Hrs. 9 days

Assessment: Written Examination

Target Audience:

People from all around the world who work in Oil and Gas and the connected industries. Oil and Gas is a hazardous industry. Managers, supervisors, offshore and onshore workers need specialist skills and know-how to fulfil their health and safety responsibilities. Learners should already have an underpinning knowledge of safety issues and may already have studied one of NEBOSH's other qualifications.

Admission/Entry Requirements

- There are no specific requirements in terms of academic qualifications, skills, or experience to entry to NEBOSH Award in Health and Safety at Work programme.
- Examination is in English.
- Other internal requirements such as documents needed are at the discretion of STC.



Course Contents

Day	Content
1	1.1 Learning from Incidents 1.2 Hazards inherent in the oil and gas
2	1.2 Hazards inherent in the oil and gas 1.3 Risk management techniques used in the oil and gas industries
3	1.4 An organisation's documented evidence to provide a convincing and valid argument that a system is adequately safe. 2.1. Contractor Management 2.2 Process Safety Management (PSM) 2.3 Role and purpose of a permit-to-work system
4	2.4 Key principles of safe shift handover 2.5 Plant operations and maintenance 2.6 Start up and shut down
5	3.1 Failure modes 3.2 Other types of failures 3.3 Safety critical equipment controls
6	3.4 Safe containment of hydrocarbons 3.5 Fire hazards, risks and controls
7	3.6 Furnace and boiler operations 4.1 Fire and explosion in the oil and gas industries
8	4.2 Emergency response 5.1 Marine transport
9	5.2 Land transport

Learning Outcomes:

Element 1

- Explain the purpose of and procedures for investigating incidents and how the lessons learnt can be used to improve health and safety in the oil and gas industries.
- Explain the hazards inherent in oil and gas arising from the extraction, storage, and processing of raw materials and products.
- Outline the risk management techniques used in the oil and gas industries.
- Explain the purpose and content of an organisation's documented evidence to provide a convincing and valid argument that a system is adequately safe in the oil and gas industries.

Element 2

- Explain the principles of assessing and managing contractors, including the roles of parties involved.
- Outline the tools, standards, measurement, competency requirements and control applicable to Process Safety Management (PSM) in the oil and gas industries.
- Explain the role and purpose of a permit-to-work system.
- Explain the key principles of safe shift handover.
- Explain the importance of safe plant operation and maintenance of hydrocarbon containing equipment and processes.
- Outline the hazards, risks and controls to ensure safe start up and shut down of hydrocarbon containing equipment and processes.

Element 3

- Outline types of failure modes that may lead to loss of containment from hydrocarbons.
- Outline types of failures that may lead to loss of containment from hydrocarbons.
- Outline the controls available to maintain safety critical equipment.
- Outline the hazards, risks and controls available for safe containment of hydrocarbons offshore and onshore.
- Outline the fire hazards, risks and controls relating to hydrocarbons.
- Outline the hazards, risks and controls available for operating boilers and furnaces.

Element 4

- Outline appropriate control measures to minimize the effects of fire and explosion in the oil and gas industries.
- Outline the principles, procedures and resources for effective emergency response.

Element 5

- Identify the main hazards of and suitable controls for marine transport in the oil and gas industries.
- Identify the main hazards of and suitable controls for land transport in the oil and gas industries.

Benefits to Employers:

A safer workplace – The NEBOSH International Technical Certificate in Oil and Gas Operational Safety 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 health and safety. The NEBOSH International Technical Certificate in Oil and Gas Operational Safety can help employers achieve international standards and.

Return on investment – A worker with a NEBOSH International Technical Certificate in Oil and Gas Operational Safety has practical knowledge that brings real value, wherever they operate.



Progression route and further studies:

By pursuing NEBOSH International Technical Certificate in Oil and Gas, the progress route will be a Certificate-level qualification:
1- NEBOSH HSE Certificate in Process Safety Management.

Syllabus Guide: Learners can refer to the syllabus guide in the below link (in resources section) for more information about the NEBOSH International Technical Certificate in Oil and Gas

<https://www.nebosh.org.uk/qualifications/international-oil-and-gas-certificate/>

NEBOSH Learners Terms and conditions

<https://www.nebosh.org.uk/policies-and-procedures/learner-terms-and-conditions/>

Contact for general enquiries or to arrange a meeting with programme advisor :

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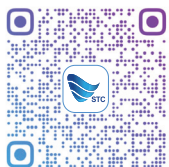
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