



## INTERNATIONAL CERTIFICATE in OIL and GAS OPERATIONAL SAFETY - Level 4

The NEBOSH International Technical Certificate in Oil and Gas Operational Safety is designed specifically for those with safety responsibilities in the oil and gas industry. It focuses on international standards and management systems, highlighting the importance of process safety management in the oil and gas industry, enabling students to effectively discharge workplace safety responsibilities both onshore and offshore.

This course is internationally accredited by National Examination Board in Occupational Safety and Health in United Kingdom and approved by Ministry of Labor (Kingdom of Bahrain).

## Content outline

Unit IOG: Management of international oil and gas health and safety

### Element 1 : Health, safety and environmental

- management in context
- Learning from incidents
- Hazard inherent in oil and gas
- Risk management techniques used in oil and gas industries
- An organization's documented evidence to provide a convincing and valid argument that a system is adequately safe

### Element 2: Hydrocarbon process safety

- Process Safety Management (PSM)
- Role and purpose of a permit-to-work system
- Key principles of safe shift handover
- Plant operations and maintenance
- Start up and shut down

### Element 3 : Hydrocarbon process safety

- Failure modes
- Other types of failures
- Safety critical equipment controls
- Safe containment of hydrocarbons
- Fire hazards, risk and control
- Furnace and boiler operations

### Element 4 : Fire protection and emergency

- response
- Fire and explosion in the oil and gas industries
- Emergency response

### Element 5 : Logistics and transport operations

- Marine transport
- Land transport

## TARGET AUDIENCE

- Individuals who have the responsibility for ensuring safety as part of their day to day duties, including managers, supervisors, employee representatives and newly appointed HSE advisers with oil and gas industry work experience.

## Entry Requirements

- The achievement of the NEBOSH International General Certificate in Occupational Health and Safety (IGC) or equivalent prior to undertaking this course is highly recommended.

## COURSE ASSESSMENT

Unit IOG1 is a taught unit, assessed by a two-hour written examination and the pass standard for the unit is %45.

## Duration

7 Days



معهد المعلم  
AL MOALEM INSTITUTE

Al Moalem Institute

PO Box 20649, Seef District, Kingdom of Bahrain

Tel : +973 17553808, 17400755, 17400766 Fax : +973 17554240

E mail: [almoalem@almoalem.net](mailto:almoalem@almoalem.net). Web: [www.almoalem.net](http://www.almoalem.net)