

# Safety and Reliability Engineering for Oil and Gas

University of Aberdeen

## Venues

Off campus

## Content

This programme provides education and training for graduate engineers in the general area of safety engineering, reliability engineering, and loss prevention. Safety engineering is not a subject which is adequately covered in most undergraduate degrees, so this MSc programme brings together those topics relating to the safety and reliability of engineering products and systems, including the legislative framework, in a unified approach.

The aim is to provide an opportunity for graduate engineers to develop a career in safety and reliability engineering and risk management. There is a continuing high demand for people with specialist knowledge in these areas. This is partly a result of the new legal requirements to assess and control industrial risks to people and the environment, and partly because of the need to create high integrity engineering systems in many industries – for example, in the offshore, nuclear, transport, aerospace and process industries. The needs are global.

## Start Date

September, January

## Qualification

Postgraduate Master's

## Study Method

Distance and Flexible learning

## Award Title

MSc

## Course Length

27- 30 months

## Faculty

Physical Science

## Department

Engineering

## Entry Requirements

A 2:1 (upper second class) UK Honours degree in any branch of Engineering, Mathematics or Physics.

Those with a 2:2 Honours degree in Engineering may also be considered if they can demonstrate 2+ years of relevant Oil and Gas Industry experience.

Key subjects you must have covered: Mathematics and Mechanical subjects such as stress analysis, strength of materials and thermodynamics.

## SCQF Level

11

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

King's College  
Aberdeen  
Aberdeen City  
AB24 3FX

## Website

[www.abdn.ac.uk](http://www.abdn.ac.uk)