



The
University
Of
Sheffield.

Chemical &
Biological
Engineering.

MSc (Eng)
Process
Safety &
Loss
Prevention.

The process
Industries Live
Or Die on their
safety record.

MSc (Eng) Process Safety & Loss Prevention



Reducing risks to employees, the public and the environment from exposure to chemicals is a high priority for industry.

This unique MSc in Process Safety and Loss Prevention has been developed jointly by the University of Sheffield, The Institution of Chemical Engineers and The Health and Safety Executive. The course is accredited by the IChemE and provides a sound basis for meeting the academic requirements of their "registered process safety professional" scheme.

The Course Director has over 30 years of process safety experience in the oil and gas, chemical, nuclear and financial sectors and is an acknowledged leader in the subject. We have brought together leading experts from the industry regulators, consultants and The University of Sheffield to run it.

Learning is through a mixture of lectures and discussions, real-life case studies, workshops and hands-on computer sessions that will equip you with in-depth knowledge of best practice in industry.

You will become a member of a leading, research active department and part of one of the largest and most successful engineering faculties in the UK. You will earn a degree that commands respect nationally and internationally from industry and academia alike.

- Course delivered by leading experts from industry, regulators, consultancies and the University of Sheffield.
- Course director is regarded as a leading expert in process safety

Course Structure

The MSc (Eng) in Process Safety and Loss Prevention is offered on a full-time basis over one year, starting in September, or can be studied over two years part-time and requires completion of eight, four-day modules, assignments and a dissertation. The dissertation will be based on a project or topic that relates to process safety.

The course is modular, allowing students some flexibility in the design of their degree. Students must take both of the core modules and choose six from a range of optional modules.

The MSc(Eng) consists of:

- two compulsory modules
- optional modules (choose 6)
- written assignment for each module
- three hour written exam
- an industry focussed dissertation

A Diploma is awarded for satisfactory completion of eight modules and their assignments and a three-hour written exam. Each module may also be taken individually as a short course.

Core Modules

Elements of Risk and Major Hazards

Dissertation Project

Optional Modules

Applied Hazard and Operability Studies

Process Plant Reliability and Maintainability

Hazards in process Plant Design and Operation

Human Behaviour and Human Error

Process Safety Management and Loss Prevention

Computer Control: Safe Practice

Safety in Nuclear Operations

Our graduates work for:

Agip	Huntsman Chemicals
Amec	Jacobs Engineering
Aventis	Kellogg Brown and Root
BG Group	Lloyds Register
BNFL	Monaco Engineering
BP	Mustang Engineering
Centrica	National Grid
Chevron Texaco	Nigeria LNG
ConocoPhillips	Npower
Croda	Petrobras
DnV GL	Petrofac
Eli Lilly	Petronas
Entec	Proctor & Gamble
ExxonMobil	QAPCO
Foster Wheeler	Rolls Royce
GSK	Shell
Great Lakes Chemical	Syngenta
Health and Safety Executive	



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Voted number one for student experience

Times Higher Education Student Experience Survey 2014-2015

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Our City

Sheffield is England's fourth largest city. It is located roughly in the middle of England, on the edge of the Peak District National Park, about 2.5 hours by train from London. The atmosphere is laid-back, friendly. The city is compact and easy to get to know.

We love the fact that although Sheffield is a major city, and developing all the time, it has kept its sense of community. This is a friendly, safe and affordable place to make your home. Here you can enjoy sophisticated fast-paced city life and be in the middle of beautiful countryside in 20 minutes.

Our Union of Students

It's the best. Ranked joint first in the UK by the Virgin guide and winner of countless awards, our Union has live music, club nights, a 400-seat cinema, shops, an advice centre, travel agent, banks and much more. There are 165 different clubs and societies to get involved with, so you'll never be short of something to do or someone to do it with.

The University's sports facilities include a 33m swimming pool with sauna and steam room, bouldering wall, synthetic pitches, squash and tennis. You won't have to look off-campus for a high-tech gym either – we've got one of our own.

- England's greenest city 150 woodlands and 50 public parks.
- One of the UK's safest cities Government statistics.
- Minutes away from Peak District National Park.

Accommodation

There's a great choice of accommodation so you can live the way that suits you best: catered or self-catering, city centre or leafy suburb. All of our student housing is within easy walking distance of campus and close to a frequent bus service. If you decide University accommodation is not for you, the Accommodation Office can still help you.

We can help you find private accommodation that's right for you. For details see: www.sheffield.ac.uk/housing

Our University

Founded in 1905, we have grown in reputation and size to become one of the UK's best universities with a global reputation as an international leader in teaching and research. Today, we are a premier-league, research-led institution with almost 24,000 students including over 3,600 international students from 120 countries.

We've produced five Nobel Prize winners, and many of our alumni have gone on to hold positions of great responsibility and influence around the world. A University of Sheffield graduate degree is a real investment in your future.

- The people are friendly, and the nightlife is vibrant.
- Only 2hrs by train to London.
- It's central location makes the city an ideal base for travel.



“ They earn a degree that commands respect nationally and internationally from industry and academia alike. ”



Entry Requirements

Candidates must be:

- a recognised graduate, attained a good honours degree in a technological or scientific subject
- or deemed qualified as a result of wide work experience
- International students must have International English Language Testing Service (IELTS) with average of 6.5 or above with at least 5.5 in each component or equivalent

Please contact us if you are not sure whether your qualifications are suitable for the course.

Course Accreditation

This course is accredited by Institution of Chemical Engineers (IChemE).



Further information

For further information or to apply contact us directly or visit the website.

Maria Soto
Course Administrator

T: +44 (0)114 222 7500

E: CBE-pg@sheffield.ac.uk

www.sheffield.ac.uk/pslp