

## Chemical Engineering

University of Strathclyde

### Content

Chemical engineers create and develop the processes to produce, change or transport products and materials into the everyday products and utilities that we use.

Year 1: covers the basic principles of chemical engineering, fundamentals, techniques and tools, as well as maths and chemistry.

Year 2: introduces process analysis, statistics, fluid flow, heat transfer, thermodynamics, chemical principles, and safety; as well as exploring these concepts in the chemical engineering lab.

Year 3: topics covered include reactors, biochemical engineering, materials and processes, sustainability, economics, mass transfer, and separation processes; with deepening of concepts in lab work and the introduction of chemical engineering design.

Years 4: focuses on particle technology, advanced reactors, process control, environmental technology, advanced separations, and problem solving; students also undertake the chemical engineering design project.

Year 5: provides students with deeper learning in topics selected to develop their professional engineering knowledge and skill set - advanced topics include safety management, programming and optimisation, environmental engineering, advanced process analysis, project management, molecular simulation, clean combustion technologies, electrochemical energy devices, and petroleum engineering; students undertake their final semester project within industry or as a research placement.

### Start Date

October

### Qualification

Degree

### Study Method

Full time

### Award Title

MEng

### UCAS Code

H801

## Course Length

5 years

## Faculty

Faculty of Engineering

## Department

Chemical and Process Engineering

## Entry Requirements

2027 entry requirements

Standard entry:

5 Highers at AAAAB including Maths at A and Chemistry plus English at National 5 (Higher preferred).

Widening access entry:

4 or 5 Highers at ABBB or BBBBB including Maths and Chemistry plus English at National 5 (Higher preferred).

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

## SCQF Level

11

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

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## Website

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