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.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H800

Course Length

4 years

Faculty

Faculty of Engineering

Department

Chemical and Process Engineering

Entry Requirements

2027 entry requirements

Standard entry:
4 Highers at AAAB including Maths at A and Chemistry plus English at National 5 (Higher preferred).

Widening access entry:
4 Highers at BBBB 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

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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