

Chemical Engineering

University of Strathclyde

Content

Year 1:

Provides a firm foundation in mathematics and chemistry upon which an introduction to chemical engineering is built. Studies also include an introduction to computer applications and to project work.

Year 2:

You will continue to study mathematics, along with an introduction to the fundamental chemical engineering subjects such as material and energy balances, thermodynamics, heat and mass transfer and the flow of fluids. There is also an introduction to the design of process plant and equipment, including computer-aided flowsheeting. You will also study accountancy, finance and business studies.

Year 3:

The principles taught in the first two years are applied to the most important techniques - called unit operations - used in the chemical and process industries. These include distillation, gas absorption, evaporation and drying. You will also study the design of reactors and have an introduction to biochemical engineering and food processing as well as to chemical engineering design.

Year 4:

You will study seven specialist professional chemical engineering subjects. These include Air Pollution Control and Liquid Effluent Treatment, Process Control and Instrumentation, Safety and Hazard Analysis and Process Economics.

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

2020 entry requirements

Standard entry:

4 Highers at AAB including Maths at A and Chemistry and Physics plus English at National 5. Higher English preferred.

Widening Access entry:

4 Highers at AAB including Maths, Chemistry and Physics (widening access entry) plus English at National 5. Higher English preferred.

SCQF Level

10

Address

16 Richmond Street
Glasgow
Glasgow City
G1 1XQ

Website

www.strath.ac.uk