

# Chemical Engineering

University of Aberdeen

## Venues

Old Aberdeen Campus

## Content

Honours Degrees of MEng and BEng: The MEng is a five-year Honours programme and the BEng is a four-year Honours programme both of which are fully accredited by the Engineering Institutions (see Professional Accreditation section). For the first two years you study a common core covering the basic principles of all branches of engineering. In these two years you will follow courses which will give you choice of at least three of the School's main disciplines to specialise in. In the later years you specialise, following your chosen discipline in greater depth, including design applications.

Year 1: Principles of Electronics; CAD and Communications in Engineering Practice; Fundamentals of Engineering Materials; Engineering Mathematics 1; Fundamental Engineering Mechanics; Chemistry for the Physical Sciences 1.

Year 2: Fluid Mechanics and Thermodynamics; Process Engineering; Engineering Mathematics 2; Design and Computing in Engineering Practice; Electrical and Mechanical Systems; Chemical Kinetics and Thermodynamics; Organic and Biological Chemistry.

Year 3: Chemical Thermodynamics; Heat, Mass and Momentum Transfer; Fluid Mechanics; Chemical Reaction Engineering; Separation Processes 1; Process Modelling; Chemical Engineering Design; Engineering Analysis and Methods 1A; Project and Safety Management.

Year 4: Process Safety; Process Control; Biochemical Engineering; Separation Processes 2; Individual Project (MEng/BEng); Group Design Project (BEng).

Year 5: Upstream Oil and Gas Processing; Computational Fluid Dynamics; Air and Water Pollution Control; Process Plant, Equipment and Operations; Mathematical Optimisation; The Engineer in Society; MEng Group Design.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

MEng

## UCAS Code

H810

## Course Length

5 years

## Faculty

Physical Science

## Department

Engineering

## Entry Requirements

2027 entry requirements:

4 Highers at ABBB including Maths, Chemistry and Engineering Science or Physics plus National 5 English.

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

## 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)