Chemical Engineering

University of Aberdeen

Venues

Old Aberdeen Campus

Content

The BEng is a four-year Honours programme 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).

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H813

Course Length

4 years

Faculty

Physical Science

Department

Engineering

Entry Requirements

2027 entry requirements

Standard entry:
4 Highers at BBBB including Maths, Chemistry and Engineering Science or Physics plus English at National 5.

Widening access entry:
Higher Maths, Chemistry and Engineering Science or Physics at BBC plus English at National 5.

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

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

www.abdn.ac.uk