

Civil and Structural Engineering

University of Aberdeen

Venues

Old Aberdeen Campus

Content

Civil Engineers design, build and maintain (and decommission where appropriate) our roads, railways, airports, dams, industrial facilities, power stations and distribution grids, refineries, offshore facilities, renewable energy schemes, coastal protection and harbour works, hospitals, schools and sports stadiums. They also design water supply and effluent treatment systems and food protection and environmental protection schemes.

Civil Engineering within the School of Engineering has one of the best hydraulic laboratory facilities in Scotland associated with a high level research profile.

Year 1: Principles of Electronics; CAD and Communications in Engineering Practice; Fundamentals of Engineering Materials; Engineering Mathematics 1; Fundamental Engineering Mechanics.

Year 2: Fluid Mechanics and Thermodynamics; Process Engineering; Engineering Mathematics 2; Design and Computing in Engineering Practice; Electrical and Mechanical Systems; Solids and Structures.

Year 3: Geotechnics 1; Stress Analysis A; Fluid Mechanics; Mechanics of Structures; Design of Structural Elements; Structural Dynamics; Civil Engineering Design and Surveying; Engineering Analysis and Methods 1A; Project and Safety Management.

Year 4: Geotechnics 2; Civil Engineering Hydraulics; Advanced Structural Design; Advanced Structural Analysis; Individual Project (MEng/BEng); Group Design Project (BEng).

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H221

Course Length

4 years

Faculty

Physical Science

Department

Engineering

Entry Requirements

2025 entry requirements

Standard entry:

4 Highers at BBBB (by end of S5) including Maths and Engineering Science or Physics plus National 5 English. Those with Highers at BBB with a good performance in Maths and Physics by end of S5 are encouraged to apply.

2nd year entry may be possible with 3 Advanced Highers at AAB with Maths or Physics at A.

Widening access entry:

2 Highers at BB including Maths (by end of S5). Additional Highers/Advanced Highers in S6.

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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Aberdeen City
AB24 3FX

Website

www.abdn.ac.uk