Civil Engineering

University of Aberdeen

Venues

Old Aberdeen Campus

Content

Civil Engineering is concerned with creative use of engineering principles and science to shape and improve our lives and our environment.

The work of the Civil Engineer centres on sustainable design for the built and natural environment. Civil Engineers design, build, maintain and manage roads, railways, dams, buildings, airports, hospitals, schools, harbours and sports stadia. They design water supply and water treatment systems and river management, flood and coastal protection schemes.

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

H200

Course Length

4 years

Faculty

Physical Science

Department

Engineering

Entry Requirements

2027 entry requirements

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

Widening access entry:
3 Highers at BBC including Math and Engineering Science or Physics 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