Civil and Environmental 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 ?ood 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).

Year 5: Offshore Structural Design; Structural Vibrations; The Engineer in Society; MEng Group Design.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H255

Course Length

5 years

Faculty

Physical Science

Department

Engineering

Entry Requirements

2027 entry requirements:
4 Highers at ABBB including Math 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

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Aberdeen
Aberdeen City
AB24 3FX

Website

www.abdn.ac.uk