

## 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).

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

H225

## 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

King's College  
Aberdeen  
Aberdeen City  
AB24 3FX

## Website

[www.abdn.ac.uk](http://www.abdn.ac.uk)