

## **BEng with Honours/MEng in Civil and Environmental Engineering – 2018 entry**

**Duration of programme:** 4 years BEng, 5 years MEng (where students join the programme in year 1)

**Award on successful completion:** Bachelor of Engineering with Honours, or Master of Engineering

**Accreditation:** The BEng (Hons) programme is accredited by the Joint Board of moderators (JBM) of the Institution of Civil Engineers, the Institution of Structural Engineers, the Institution of Highways and Transportation and the Institute of Highway Incorporated Engineers.

**Location of delivery:** Abertay University, Bell Street, Dundee

**Composition of the programme:** 120 SCQF (Scottish Credit and Qualifications Framework) credits in each academic year, generally delivered in modules of 20 credits each, with 3 modules taken in term 1, and 3 in term 2 each year. In years 1 and 2, students have the opportunity to take modules outside their main subject. The programme offers practical experience in the form of a week-long construction experience in year 2, a work placement for all students in year 3, and the opportunity to undertake a sandwich option in the summer periods from year 2 onwards. All students complete an independent project in the final year.

**Contact hours and workload:** Each academic year typically requires 1200 hours of student effort; on average across the 4 years of this programme, 25% of that time is in lectures, seminars, practicals and similar activities; the remainder is independent study.

**Assessment methods:** Assessment is by a combination of coursework assignments, class tests, presentations and examinations.

**Progression:** BEng and MEng students are streamed at the end of stage 3. All students require a minimum GPA of C+ for entry to the MEng stream.

**Additional costs:** Students have to provide their own safety boots, and have to make a contribution of £30 in year 1 to the cost of the Construction Skills Certification Scheme card. In year 2, each student contributes £100 towards the cost of Constructionarium, and in year 3 all students participate in a placement, which may incur travel costs.

**Academic staff:** This programme is delivered by staff in the Division of Natural and Built Environment in the School of Science, Engineering and Technology. Staff profiles can be viewed at <http://www.abertay.ac.uk/studentlife/schools/set/staff/>

<b>Core modules in the BEng programme:</b>
Engineering Science 1
Introduction to Civil and Environmental Engineering
Introduction to Environmental Sciences
Engineering Science 2
Landscape Processes and Surveying
Engineering Science 3

Surveying and Construction
Water Resources and Fluid Mechanics
Structural Engineering 1
Environmental Engineering
Structural Engineering 2
Geotechnical Engineering
Civil and Environmental Engineering Practice
Placement
Structural and Geotechnical Engineering
Water and Environmental Engineering 1
Research Methods
Waste and Wastewater Management
Integrating Project
Civil and Environmental Engineering Project
<b>Core modules in the MEng programme:</b>
Research Methods
Advanced Structural Analysis and Design
MEng Individual Research Project
Innovation in Design
Innovation in Geotechnical Engineering
Water and Environmental Engineering 1
Environmental Management
MEng Integrated Design Project
Water and Environmental Engineering 2
BIM Life Cycle
Advanced Geotechnical Engineering
Finite Element Analysis and Application

**Developments in the discipline:** The curriculum across the programme, including within the core modules, will change over time with emerging technologies, industry demands, and professional body requirements.