

BEng with Honours/MEng in Civil and Environmental Engineering – 2022 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) and MEng programmes are accredited by the Joint Board of moderators (JBM) of the Institution of Civil Engineers, the Institution of Structural Engineers, the Chartered 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 mostly in modules of 20 credits each, with 3 modules taken in term 1, and 3 in term 2 each year. First and second year of the programme includes a choice of microcredential modules worth a total of 20 credits per year. The programme offers practical construction experience in year 2, and a work placement for all students in year 3. 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, project work, presentations and examinations.

Progression: BEng and MEng students are streamed at the end of stage 3. All students require a minimum GPA of 2.5 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 a practical construction experience, 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 Engineering and Food Science in the School of Applied Sciences. Staff profiles can be viewed at <https://www.abertay.ac.uk/schools/school-of-applied-sciences/>

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| Core modules in the BEng programme: |
| Engineering Science |
| Introduction to Civil and Environmental Engineering |
| Surveying and Construction |
| Being Successful at Abertay (5 credits) |
| Water Resources and Fluid Mechanics |

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| Structural Engineering |
| Environmental Engineering |
| Geotechnical Engineering |
| Civil and Environmental Engineering Practice |
| Placement |
| Structural and Geotechnical Engineering |
| Water and Environmental Engineering |
| Research Methods |
| Waste and Wastewater Management |
| Integrated Project |
| Civil and Environmental Engineering Project |
| Core modules in the MEng programme: |
| Research Methods |
| Advanced Structural Analysis and Design |
| Civil and Environmental Engineering Project |
| Innovation in Design |
| Geotechnical Engineering Design |
| Water and Environmental Engineering |
| Environmental Management |
| MEng Integrated Design Project |
| 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.