

Structural Engineering with Architecture

University of Edinburgh

Venues

King's Buildings Campus

Content

This interdisciplinary programme is taught jointly with the Edinburgh School of Architecture and Landscape Architecture (ESALA), which is part of the Edinburgh College of Art.

It will equip you with highly valuable training in structural engineering and give you a deep appreciation of the architectural context. It will prepare you for a holistic approach to sustainable building design and professional licensure.

Year 1

Your study will be divided equally between engineering and mathematics courses, and architecture, where you are introduced to architectural history and also design courses, including studio work.

Year 2

This year focuses on engineering fundamentals, supported by further study of mathematics and architecture history. You will extend the application of your scientific and mathematical skills to solving engineering problems, building on your experiences from Year 1, including some project work.

There is also a substantial laboratory element to many of the engineering courses giving you experience of practical engineering and experimental work.

Year 3

You will now focus entirely on study of core materials, spanning structural engineering and the architectural aspects of the construction and design of real buildings, supplemented by choice of two options, one of which may be in architecture.

At the end of Year 3, you will have the option of completing one more year for a BEng (Hons) or a further two years for a MEng.

Year 4

You will pursue advanced courses which deepen your fundamental knowledge in structural engineering and architecture, spanning a mixture of compulsory and option courses.

You undertake substantial design projects encompassing geotechnical engineering and interdisciplinary engineering.

Year 5

You will pursue further advanced courses in both structural engineering and architecture, together with further

option courses. You will undertake a substantial structural engineering design project supported by experienced industrialists.

Half of the final year credits are allocated to the honours thesis, which is an original study of a challenging engineering problem, which may be undertaken either with architecture or engineering, or both.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

H2KC

Course Length

5 years

Faculty

College of Science and Engineering

Department

Engineering

Entry Requirements

2027 entry requirements

Standard entry:

4 Highers at AABB (first sitting) or AAAB (two sittings) including Maths at A and one from Biology, Chemistry, Computing Science, Engineering Science or Physics (preferred) plus National 5 Engineering Science or Physics at B and English at C.

Widening access entry:

4 Highers at AABB (two sittings) including Maths at A and one from Biology, Chemistry, Computing Science, Engineering Science or Physics (preferred) plus National 5 Engineering Science or Physics at B and English at C. Highers at BBB must be achieved in one sitting.

SCQF Level

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Old College
South Bridge
Edinburgh
City of Edinburgh
EH8 9YL

Website

www.ed.ac.uk