



University of
BRISTOL

Undergraduate study

Civil Engineering



Key highlights



Outstanding facilities

Enjoy access to our state-of-the-art geotechnical, structural and water engineering laboratory facilities and the most advanced earthquake shaking table in Europe.



Become an expert

On graduation you will be recognised by ICE, IStrucE, CIHT and IHE as an incorporated engineer, on your path to becoming a chartered engineer.



Career progression

Our sought-after graduates go on to work for engineering consultancies and contractors, utilities companies, sustainable enterprises and more.



Cutting-edge research

93 per cent of Bristol's engineering research was rated 'internationally excellent' or 'world-leading' (REF 2014). You'll learn with academics and industry experts involved in pioneering research and practice.

bristol.ac.uk/ug-study

Why study civil engineering at Bristol?

If you are creative, enjoy design and aspire to improve the built environment, then come and study in a city known for its engineering excellence. You'll develop skills to deliver resilient and sustainable buildings and infrastructure; test hypotheses and designs in our world-class experimental facilities; and graduate ready to tackle tomorrow's engineering challenges.

Our courses will develop your technical and project management skills, giving you the opportunity to be a future leader in the industry. As a small department – one of six in a strongly integrated engineering faculty – we offer a friendly and supportive learning environment.

You will learn about:

- environmental and sustainable engineering;
- designing and building major structures;
- project management;
- community and infrastructure planning, design and liaison;
- disaster risk management;
- urban infrastructure and smart cities.

The first two years cover the basics of engineering analysis and design. This includes structures, mathematics, soil and fluid mechanics, materials, computing and surveying. You will also have options including studying sustainable development, understanding architecture or developing a foreign language.

In year three a major research project will allow you to develop your investigative and problem-solving skills by focusing on one of the department's research areas, with supervision from the relevant academic expert. Units in professional studies will widen your knowledge of the business, management, ethics and legal sides of the construction industry. In year four you can develop your specialist knowledge through optional units which may include Sustainable Construction, Sustainable Systems, Wind and Marine Power, Earthquake Engineering, or Engineering for International Development.

Design is at the heart of our courses. For example, you'll make a model bridge in your first year; will learn about building design in year two; and will gain scheme design skills including structures like dams, buildings, and road intersections in year three. For MEng students, the fourth year will culminate in a design project based on real design problems that have often emerged through our links with industry.

If you choose one of our Study Abroad courses, you will spend your third year at a partner university overseas. Your study plan will be arranged on an individual basis, depending on where you spend the year abroad – it may include projects and specialist subjects that are not taught at Bristol.

Find out more

Entry requirements, course structure and units
bristol.ac.uk/ug2021-civileng

'In my third-year research project I spent most of my time in the labs using machinery and instruments that many young engineers can only dream of. It's a challenging course, but because of that the rewards are so much greater.'

Emily (MEng Civil Engineering)



Your skills will be in high demand from top employers such as engineering consultancies, national infrastructure and the energy sector. Ninety-five per cent of our graduates are in a professional or managerial job six months after graduation (latest DLHE data, 2016/17).



The Industrial Liaison Office manages our links with world-class engineering and tech companies, working to ensure you engage with industry throughout your study. You can attend Inside Track lectures, where business insiders offer first-hand insight, or take advantage of industrial mentoring and internship schemes.

Learn from our experts about how to tackle global environmental challenges such as providing safe drinking water and renewable energy, or developing disaster-resilient and sustainable infrastructure.



Courses

BEng Civil Engineering

MEng Civil Engineering

MEng Civil Engineering with Study Abroad

MEng Civil Engineering with Study Abroad in a Modern Language

MEng Civil Engineering with a Year in Industry

Connect with the Faculty of Engineering

 **Engineering, University of Bristol**

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This leaflet contains information for students planning to start university in autumn 2021. We have made every effort to ensure all details are correct at the time of going to press (May 2020). However, since this information is subject to change, you are advised to check the University's website, bristol.ac.uk/ug-study for the latest updates. Any sample units listed are indicative and offerings may change due to developments in the relevant academic field. Unit availability varies depending on staffing, student choice and timetabling constraints.

