



University of
BRISTOL

Undergraduate study

Engineering Design



Key highlights



Subject leaders

We are consistently ranked as one of the top engineering degrees in the UK (ranking first in *Guardian* University Guide 2019, 2020 and *Times* Good University Guide 2020).



Industrial partnerships

Leading companies from the core engineering sectors support our course by providing placements and projects, as well as industrial mentors.



Outstanding support

We have a close-knit community of staff and students, with only 30 to 35 in each year group.



Career prospects

The course is accredited by leading professional engineering institutions such as the ICE, IStructE, IET, IMechE, RAes and IED. The industrial placement supports your progression towards chartership before graduation.

bristol.ac.uk/ug-study

Why study engineering design at Bristol?

Experiment, collaborate and gain industry expertise on this flexible degree with world-class learning delivered in state-of-the-art facilities. If you have broad engineering interests, are creative and ambitious, and would like to work on pioneering projects in areas such as renewable energy and sustainable transport, then engineering design could be for you.

Our engineering design course has been developed to educate and train students for future leadership roles in industry. Inspired by the Royal Academy of Engineering, this unique, accredited degree is supported by an industrial partnership of leading companies across a range of engineering sectors – including energy, the built environment, transport, manufacturing and product design. These partners guide the curriculum and provide placements, giving you a valuable head start in your career.

This flexible degree teaches you the broad fundamentals of core engineering disciplines (mechanical, civil and aerospace), allowing you to later specialise and develop expertise in a particular field. The industrial placements will help you further understand what sort of engineering you would like to do. Our large-scale engineering projects involve teams of engineers, meaning you will develop teamworking skills as well as learn how to deliver presentations, and gain practical knowledge about the impact of socio-economic, environmental and legal constraints on engineering projects.

Course structure

The degree provides a common core of engineering units in materials, structures, dynamics, fluids, electronics, mathematics and computing, taken alongside other engineering undergraduates. In the first year, there is also teaching in design concepts and use of computer-aided design software. During your second year, these skills are enhanced through detailed group design projects, and you will choose one of three pathways aligned with aerospace, civil or mechanical engineering.

The third year is usually a paid placement in industry, which forms an assessed part of the course and is closely monitored by the University. You will be given similar levels of responsibility as graduate entrants, with opportunities to manage your own projects. Returning to the University in your fourth year, you will have a clearer idea about what type of engineer you want to become and will be able to tailor your studies by selecting from a wide range of optional units based on our faculty's outstanding research strengths.

You will conduct major group research and design projects during the fourth and fifth year that address genuine business interests from our industrial partners and are conducted in collaboration with them.

'The University is embedded in the city, meaning there's such a buzz around campus and a student presence throughout the centre. Whether through societies, the degree programme, or beyond the realms of the University, I have found encouragement to push the boundaries when it comes to my development.'

Patrick (MEng Engineering Design with Study in Industry)



Our graduates have launched innovative startups, including Swytch and LettUs Grow, and have won a range of national awards. Read more at: bristol.ac.uk/engineering-design.



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.

100%

Engineering Design achieved 100 per cent overall student satisfaction for four consecutive years (NSS 2016-19).



Find out more

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

Course

MEng Engineering Design with Study in Industry

Connect with the Faculty of Engineering

 **Engineering, University of Bristol**

 **bristolengineering**

 **@BristolUniEng**

 **bristolengineering**

Photography

Manufacturing Technology Centre, Jack Wiseall, Bryony Griffiths

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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.

