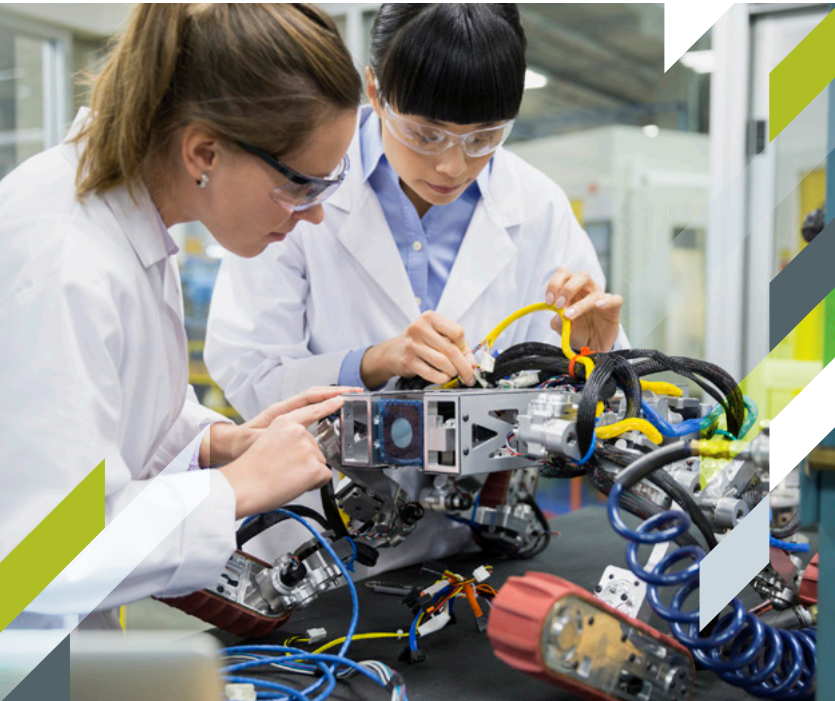



General Engineering

Undergraduate study

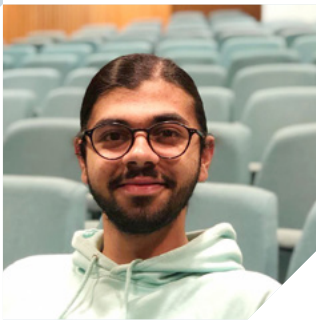




Engineering relies upon a way of thinking that combines mathematical and analytical skills with a desire to find innovative solutions to problems. If you are naturally curious, or the kind of person who asks ‘why’ things are the way they are and how they can be improved, then studying General Engineering at King’s could be for you.

At King’s, we are taking a fresh look at Engineering. This is reflected in the way our new General Engineering course combines modern, diverse, high-tech engineering specialisms with an innovative, multi-disciplinary, project-led teaching approach.

The course looks at engineering problems as a whole and in context, allowing students to build the critical technical capabilities required to flourish in 21st century engineering.



Voice of the **student**

‘I’ve always been inquisitive and wanted to know about the background behind how stuff works so it was really instinctive to choose engineering. King’s in particular is doing some pioneering engineering research. The skills we develop are really industry centric – if you see the world progressing then you should get into engineering so you can be a part of that progress.’

Gurbaz

Electronic and Information Engineering
BEng



Our course

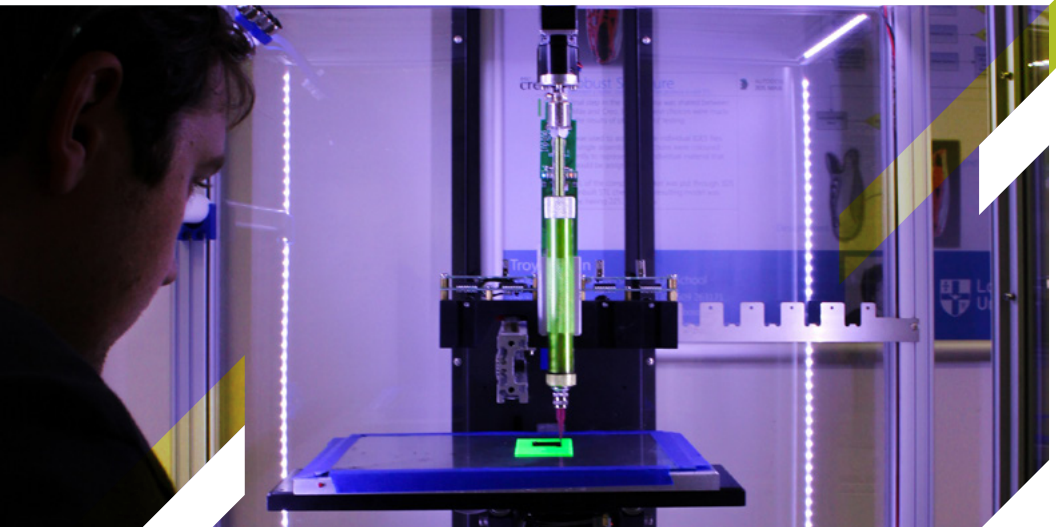
General Engineers at King's will benefit from a course which builds technical engineering, design and commercial capabilities upon the strong analytical foundations of maths and computation.

You will study modules which include design for engineers, robotics, mechatronics, sustainability, electrical engineering, mechanics, materials and manufacturing, and thermo-fluids. The study of these specialist subjects is underpinned by systems thinking which can be applied to improve technology, products and services whilst building the skills to understand, model and predict their performance.

Our course will encourage innovative approaches to problem solving. This will include collaborative project work with your fellow students which will embed well-rounded teamwork, communication and negotiation skills which matter in the future workplace.

Course highlights

- ♦ A unique blend of leading-edge, small footprint engineering specialisms which provide a holistic perspective on engineering directly applicable to a whole range of future-focused careers.
- ♦ Our course connects engineering expertise with that of King's wider disciplines, such as business and law, to unlock a better understanding of how engineers can apply their knowledge innovatively to the issues that matter in the world today.
- ♦ Study in inspiring teaching spaces offering state of the art equipment.
- ♦ Build critical thinking and future workplace skills with live, collaborative project work from the first term.





Voice of the **academic**

'King's engineers will study in a dynamic location and teaching environment.'

'Our course will bring together leading engineering academics in a central London context, to offer deep technical knowledge that is complemented by the perspectives brought by King's wider academic departments.'

'Engineers need to be curious, to make connections – that is what will deliver real value to society. London provides new ways to look at old problems – like 'how can we revolutionise transport?' This question requires not only technical answers, but legal, policy, social, economic and entrepreneurial solutions. That is the mindset we are building for King's engineers, we are equipping them for future success in an ever changing world.'

Professor Barbara Shollock
Head of Department of Engineering

Our degrees

- ♦ General Engineering BEng
- ♦ General Engineering MEng

How to apply

Apply online at ucas.com UCAS institution code: BEng: H100, MEng: H101

Entry requirements

Please visit kcl.ac.uk/study for current entry requirements.

Student societies

Engineering students have access to a number of very active student societies, including the KCL Engineering Society, KCL Tech and KCL Robotics Society. The societies run social activities, events and careers talks, providing students with the opportunity to make valuable connections with industry.



Careers and employability

Studying General Engineering at King's sets you up with broad career options. It builds a diverse array of high tech and softer skills required by future engineers and industry, including problem solving, analytical, teamwork and interpersonal expertise. The curriculum will equip the next generation of engineers with the skills and knowledge to be transformative thinkers and disciplined innovators able to deliver real impact, in traditional industries, tech sectors, healthcare, business and government.

Women in science

The Faculty of Natural & Mathematical Sciences and Department of Engineering at King's are dedicated to supporting the careers of women to address the imbalance of women studying and working in science, technology, engineering and mathematics. Our goal is to create a fair and inclusive environment for all staff and students, so that everyone has the support and opportunities they need to achieve their full potential. The faculty offers a number of competitive scholarships for home/EU female undergraduates worth £3,000 spread over the course of study.

To find out more go to kcl.ac.uk/nms





The Faculty of Natural & Mathematical Sciences

The Faculty of Natural & Mathematical Sciences has a tradition of excellence in research and education, and a commitment to promoting the careers of women in science. Our work crosses traditional subject boundaries, creating cutting-edge research in non-traditional disciplines that contribute towards the university's broad subject base. We're working on fundamental problems in basic science across mathematics, physics, chemistry, computer science, telecommunications and robotics, as well as their application to healthcare, security and many other areas.

For more information on the Faculty, please visit kcl.ac.uk/nms

 kcl.ac.uk/engineering

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This leaflet was printed in September 2019. Although it was up-to-date at the time it was produced, please make sure you check our website (kcl.ac.uk/study) or contact us directly for the very latest information before you commit yourself to any of our courses.