Engineering Foundation BEng (Hons) (4 year route including a Foundation Year at Carmel College)

COURSE DETAILS
- UCAS code: H109
- Study mode: Full-time
- Length: 4 years

KEY DATES
- Apply by: 31 January 2024
- Starts: 23 September 2024

Course overview
Studying this programme provides a route into any of the BEng degree programmes currently available in the School of Engineering.

INTRODUCTION
You will undertake a foundation year (year zero) at Carmel College, St Helens, about nine miles from the university campus, where the class sizes are small and the standards of academic achievement high.

The programme, which is moderated by University staff, comprises introductory modules in Physics and Mathematics, with students choosing a third optional module from Chemistry or Information Technology. In year two, three and four, students follow their chosen course from a number of available Engineering programmes.

WHAT YOU'LL LEARN
- Skills needed for independent study at undergraduate degree level
- Undertaking a variety of learning methods and assessment tasks
- Laboratory and field work
- Practical experience and highly desirable skills to the engineering industry

ROUTES
- Aerospace Engineering MEng
- Aerospace Engineering BEng (Hons)
- Aerospace Engineering with Pilot Studies BEng (Hons)
- Aerospace Engineering with Pilot Studies with a Year in Industry BEng (Hons)
- Aerospace Engineering with a Year in Industry BEng (Hons)
- Architectural Engineering BEng (Hons)
- Avionic Systems BEng (Hons)
- Civil Engineering BEng (Hons)
- Civil Engineering with Year in Industry BEng (Hons)
- Computer Science and Electronic Engineering BEng (Hons)
- Computer Science and Electronic Engineering with Year in Industry BEng (Hons)
- Electrical and Electronic Engineering BEng (Hons)
- Electrical and Electronic Engineering with a Year in Industry BEng (Hons)
- Engineering BEng (Hons)
- Industrial Design MEng
- Industrial Design BEng (Hons)
- Mechanical Engineering BEng (Hons)

- Mechanical Engineering with a Year in Industry BEng (Hons)
- Mechatronics and Robotic Systems BEng (Hons)
- Mechatronics and Robotic Systems with Year in Industry BEng (Hons)
- Product Design Engineering BEng (Hons)
- Product Design Engineering with Year in Industry BEng (Hons)


Course content
Discover what you'll learn, what you'll study, and how you'll be taught and assessed.

YEAR ZERO

Students follow three foundation modules chosen from Physics, Mathematics, Chemistry, Biology or Geography. Module choice depends on the programme students wish to follow after the foundation year.

Programme details and modules listed are illustrative only and subject to change.

HOW YOU'LL LEARN

We are leading the UK's involvement in the international Conceive-Design-Implement-Operate (CDIO) initiative – an innovative educational framework for producing the next generation of engineers.

Our degree programmes encompass the development of a holistic, systems approach to engineering. Technical knowledge and skills are complemented by a sound appreciation of the life-cycle processes involved in engineering and an awareness of the ethical, safety, environmental, economic, and social considerations involved in practicing as a professional engineer.

You will be taught through a combination of face-to-face teaching in group lectures, laboratory sessions, tutorials, and seminars. Our programmes include a substantial practical component, with an increasing emphasis on project work as you progress through to the final year. You will be supported throughout by an individual academic adviser.

HOW YOU'RE ASSESSED

Assessment takes many forms, each appropriate to the learning outcomes of the particular module studied. The main modes of assessment are coursework and examination. Depending on the modules taken, you may encounter project work, presentations (individual and/or group), and specific tests or tasks focused on solidifying learning outcomes.

LIVERPOOL HALLMARKS

We have a distinctive approach to education, the Liverpool Curriculum Framework, which focuses on research-connected teaching, active learning, and authentic assessment to ensure our students graduate as digitally fluent and confident global citizens.
Careers and employability

The University of Liverpool’s Careers and Employability Service maximises opportunities for career prospects, graduate opportunities, student summer placements and the annual engineering careers fair with 30 blue chip companies attending (including Jaguar Land Rover, Nestle, Toyota, JCB, British Army, United Utilities, ABB Ltd, Network Rail, BAE Systems and many more). Our degrees provide pathways into rewarding careers and our graduates have found employment in a wide range of international industries and organisations.

Our research-led teaching ensures that we incorporate the latest advances in cutting edge engineering research. 95% of our research is deemed world leading or internationally excellent, and is highly regarded by engineering industries and partners. As well as achieving a degree qualification, you will graduate as an industry-ready engineer who has both practical experience and highly desirable skills to the engineering industry.

4 in 5 of the University of Liverpool’s engineering students find their main activity after graduation meaningful.

Graduate Outcomes, 2018-19.

Preparing you for future success

At Liverpool, our goal is to support you to build your intellectual, social, and cultural capital so that you graduate as a socially-conscious global citizen who is prepared for future success. We achieve this by:

- Embedding employability within your curriculum, through the modules you take and the opportunities to gain real-world experience offered by many of our courses.
- Providing you with opportunities to gain experience and develop connections with people and organisations, including student and graduate employers as well as our global alumni.
- Providing you with the latest tools and skills to thrive in a competitive world, including access to Handshake, a platform which allows you to create your personalised job shortlist and apply with ease.
- Supporting you through our peer-to-peer led Careers Studio, where our career coaches provide you with tailored advice and support.
Fees and funding
Your tuition fees, how to pay, and other costs to consider.

TUITION FEES

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<tr>
<th>UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)</th>
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<tbody>
<tr>
<td>Foundation year fee</td>
<td>£5,140</td>
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<th>International fees</th>
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<td>This course is not available to international students.</td>
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Following the foundation years, standard course fees apply.

*Fees stated are for the 2023-24 academic year and may rise for 2024-25.*

Tuition fees cover the cost of your teaching, assessment, operating University facilities such as libraries, IT equipment, and access to academic and personal support.

ADDITIONAL COSTS

We understand that budgeting for your time at university is important, and we want to make sure you understand any course-related costs that are not covered by your tuition fee. This could include buying a laptop, books, or stationery.

Find out more about the [additional study costs](#) that may apply to this course.

SCHOLARSHIPS AND BURSARIES

We offer a range of scholarships and bursaries to help cover tuition fees and help with living expenses while at university.

[Scholarships and bursaries you can apply for from the United Kingdom](#)
# Entry requirements

The qualifications and exam results you'll need to apply for this course.

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<th>Your qualification</th>
<th>Requirements</th>
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<tr>
<td>A levels</td>
<td>A typical offer is likely to be CDD at A level, in related subjects. Students with alternative A level combinations are welcome to apply but should expect to be made higher offers. For further information, visit <a href="http://www.carmel.ac.uk">www.carmel.ac.uk</a>, email <a href="mailto:degree@carmel.ac.uk">degree@carmel.ac.uk</a> or telephone +44 (0)1744 452 213. Applicants over 21 can be considered on GCSEs alone.</td>
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<tr>
<td>GCSE</td>
<td>All applicants must have a minimum of five GCSEs at grade C/4 or above, including English Language, Mathematics and two Sciences. Core and Additional Science/Dual Science acceptable as the two Sciences. Alternatively, if separate sciences are being studied then one of these must be GCSE Physics. Applicants over 21 can be considered on GCSEs alone.</td>
</tr>
<tr>
<td>Subject requirements</td>
<td>A typical offer is likely to be CDD at A level, in related subjects. Students with alternative A level combinations are welcome to apply but should expect to be made higher offers. For further information, visit <a href="http://www.carmel.ac.uk">www.carmel.ac.uk</a>, email <a href="mailto:degree@carmel.ac.uk">degree@carmel.ac.uk</a> or telephone +44 (0)1744 452 213. Applicants over 21 can be considered on GCSEs alone.</td>
</tr>
<tr>
<td>International qualifications</td>
<td>Many countries have a different education system to that of the UK, meaning your qualifications may not meet our direct entry requirements. Although there is no direct Foundation Certificate route to this course, completing a Foundation Certificate, such as that offered by the University of Liverpool International College, can guarantee you a place on a number of similar courses which may interest you.</td>
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**ALTERNATIVE ENTRY REQUIREMENTS**

- If your qualification isn't listed here, or you're taking a combination of qualifications, contact us for advice
- Applications from mature students are welcome.