

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

BEng (Hons)

COURSE DETAILS

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

KEY DATES

- Apply by: [29 January 2025](#)
 - Starts: 22 September 2025
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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.

Find information about what essential and optional modules you will need to take during your Year Zero at Carmel College to progress to your chosen University of Liverpool degree programme in our [guide to progression routes](#)

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
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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)
 - [Chemical Engineering](#) MEng
 - [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)
 - [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)
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Course content

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

YEAR ZERO

The module choices for this programme are fixed. Students follow three compulsory foundation modules in physics, mathematics and additional mathematics (which is similar to further mathematics). In discussions with the HE team at Carmel College students who have already achieved a grade B or above in A level mathematics may be able to take computing as an optional module in lieu of mathematics.

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.

Fees and funding

Your tuition fees, how to pay, and other costs to consider.

TUITION FEES

UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)	
Full-time place, per year	£9,250
Foundation year fee	£7,500
Year in industry fee	£1,850
Year abroad fee	£1,385

International fees	
This course is not available to international students.	This course is not available to international students who require a visa to study in the UK. However, if you're a 'home' student and you've lived outside of the UK, you'll need to complete a fee status questionnaire as part of your application. We'll then assess your fee status and in some cases, home students who've lived outside of the UK may be required to pay the international fee rate. Check your tuition fee status on our webpages.

Following the foundation years, standard course fees apply.

Fees shown are for the academic year 2024/25. Please note that the Year Abroad fee also applies to the Year in China.

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 that could help pay your tuition and living expenses.

We've set the country or region your qualifications are from as United Kingdom. [Change it here](#)

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RIGBY ENTERPRISE AWARD

- [Home students](#)

[Are you a UK student with a household income of £25,000 or less? If you've participated in an eligible outreach programme, you could be eligible to apply for a Rigby Enterprise Award worth £5,000 per year for three years of your undergraduate degree.](#)

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THE LIVERPOOL BURSARY

- [Home students](#)

[If you're a UK student joining an undergraduate degree and have a household income below £35,000, you could be eligible for a Liverpool Bursary worth up to £2,000 for each year of undergraduate study.](#)

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ASYLUM SEEKERS SCHOLARSHIP

- [Home students](#)

[Apply for an Asylum Seekers Scholarship and you could have your tuition fees paid in full and receive help with study costs. You'll need to have applied for asylum in the UK, or be the dependant of an asylum seeker, and be joining an eligible undergraduate degree.](#)

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CARE LEAVERS' OPPORTUNITY BURSARY

- [Home students](#)

[If you've spent 13 or more weeks in Local Authority care since age 14, you could be eligible for a bursary of £3,000 per year of study. You'll need to be a UK student joining an eligible undergraduate degree and be aged 28 or above on 1 September in the year you start.](#)

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COWRIE FOUNDATION SCHOLARSHIP

- [Home students](#)

[Are you a UK student with a Black African or Caribbean heritage and a household income of £25,000 or less? You could be eligible to apply for a Cowrie Foundation Scholarship worth up to £8,000 for each year of undergraduate study.](#)

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ESTRANGED STUDENTS BURSARY

- [Home students](#)

[If you're a UK student identified as estranged by Student Finance England \(or the equivalent UK funding body\), you could be eligible for a bursary of £1,000 for each year of undergraduate study.](#)

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GENESYS LIFE SCIENCES SCHOLARSHIP

- [Home students](#)

[Joining a School of Biosciences degree and have a household income of less than £25,000? If you're a UK student, you could apply to receive £4,500 per year for three years of your undergraduate course.](#)

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GRADUATE ASSOCIATION HONG KONG & TUNG UNDERGRADUATE SCHOLARSHIPS

- [International students](#)

- [Hong Kong](#)

[If you're an undergraduate student from Hong Kong who can demonstrate academic excellence, you may be eligible to apply for a scholarship worth £10,000 in partnership with the Tung Foundation.](#)

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NOLAN SCHOLARSHIPS

- [Home students](#)

[Do you live in the Liverpool City Region with a household income of £25,000 or less? Did neither of your parents attend University? You could be eligible to apply for a Nolan Scholarship worth £5,000 per year for three years of undergraduate study.](#)

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ROLABOTIC SCHOLARSHIP

- [Home students](#)

[Are you a UK student with a household income of £25,000 or less? Did neither of your parents attend University? You could be eligible to apply for a ROLABOTIC Scholarship worth £4,500 for each year of your undergraduate degree.](#)

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SPORT LIVERPOOL PERFORMANCE PROGRAMME

- [Home and international students](#)

[Apply to receive tailored training support to enhance your sporting performance. Our athlete support package includes a range of benefits, from bespoke strength and conditioning training to physiotherapy sessions and one-to-one nutritional advice.](#)

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TECHNETIX BROADHURST ENGINEERING SCHOLARSHIP

- [Home students](#)

[Joining a degree in the School of Electrical Engineering, Electronics and Computer Science? If you're a UK student with household income below £25,000, you could be eligible to apply for £5,000 a year for three years of study. Two awards will be available per academic year.](#)

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UNDERGRADUATE GLOBAL ADVANCEMENT SCHOLARSHIP

- [International students](#)

[If you're a high-achieving international student starting an undergraduate degree with us from September 2024, you could be eligible to receive a fee discount of up to £5,000. You'll need to achieve grades equivalent to AAA in A levels and be joining a non-clinical degree.](#)

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UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE EXCELLENCE SCHOLARSHIP

- [International students](#)

[Completed a Foundation Certificate at University of Liverpool International College \(UoLIC\)? We're offering a £5,000 fee discount off the first year of undergraduate study to some of the highest achieving students joining one of our non-clinical degrees from UoLIC.](#)

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UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE FIRST CLASS SCHOLARSHIP

- [International students](#)

[We're offering a £1,000 fee discount for years 2 and 3 of undergraduate study to eligible students progressing from University of Liverpool International College. You'll need to be studying a non-clinical subject and get an average of 70% or above in year 1 of your degree.](#)

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UNIVERSITY OF LIVERPOOL INTERNATIONAL COLLEGE IMPACT PROGRESSION SCHOLARSHIPS

- [International students](#)

[If you're a University of Liverpool International College student awarded a Kaplan Impact Scholarship, we'll also consider you for an Impact Progression Scholarship. If selected, you'll receive a £3,000 fee discount off the first year of your undergraduate degree.](#)

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YOUNG ADULT CARER'S (YAC) BURSARY

- [Home students](#)

[If you're a young adult and a registered carer in the UK, you might be eligible for a £1,000 bursary for each year of study. You'll need to be aged 18-25 on 1 September in the year you start your undergraduate degree.](#)

Entry requirements

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

Your qualification	Requirements About our typical entry requirements
GCSE	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.
International qualifications	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.

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.
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