



BEng (Hons)

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

UCAS code H109

### Entry requirements

A level: CDD

### Study mode

Full-time

### Duration

4 years

Apply by: **14 January 2026**

Starts on: **28 September 2026**

## About this course

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

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## 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](#)

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## 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](#) BEng (Hons)
- [Aerospace Engineering](#) MEng
- [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)
- [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 Abroad](#) 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)
- [Mechatronics and Robotic Systems with a Year Abroad](#) BEng (Hons)
- [Product Design Engineering](#) BEng (Hons)
- [Product Design Engineering with a Year in Industry](#) BEng (Hons)

^ [Back to top](#)

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# Course content

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

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## 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.

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## Teaching and assessment

### 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.

The Liverpool Curriculum framework sets out our distinctive approach to education. Our teaching staff support our students to develop academic knowledge, skills, and understanding alongside our **graduate attributes**:

- Digital fluency
- Confidence
- Global citizenship

Our curriculum is characterised by the three **Liverpool Hallmarks**:

- Research-connected teaching
- Active learning
- Authentic assessment

All this is underpinned by our core value of **inclusivity** and commitment to providing a curriculum that is accessible to all students.

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^ [Back to top](#)

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# 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.

^ [Back to top](#)

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# 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 - £9,535

Foundation year fee - £9,535

Year abroad fee - £1,385 (applies to year in China)

### International fees

Full-time place, per year - £32,000

Please note, UK full-time fees, year abroad and year in industry fees are for the academic year 2025/26. 2026/27 fees have yet to be confirmed. Please be advised that tuition fees are subject to increase each year.

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

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## Additional costs

You cannot apply for the foundation programme if you require a visa to study in the UK. However, some UK-based international students may be eligible to apply. If you are eligible to apply, your fee status assessment will determine if you pay home or international fees.

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

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^ [Back to top](#)

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# Entry requirements

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

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## A levels

CDD

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 [www.carmel.ac.uk](http://www.carmel.ac.uk), email [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) or telephone +44 (0)1744 452 213. Applicants over 21 can be considered on GCSEs alone.

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## T levels

T levels considered in a relevant subject and specialism.

Applicants should contact us by [completing the enquiry form on our website](#) to discuss specific requirements in the core components and the occupational specialism.

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## 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.

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## International qualifications

[Select your country or region to view specific entry requirements.](#)

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.

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## English language requirements

You'll need to demonstrate competence in the use of English language, unless you're from a [majority English speaking country](#).

We accept a variety of [international language tests](#) and [country-specific qualifications](#).

International applicants who do not meet the minimum required standard of English language can complete one of our [Pre-Sessional English courses](#) to achieve the required level.

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### **IELTS**

6.5 overall, with no component below 5.5

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### **TOEFL iBT**

88 overall, with minimum scores of listening 17, writing 17, reading 17 and speaking 19. TOEFL Home Edition not accepted.

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### **Duolingo English Test**

125 overall, with speaking, reading and writing not less than 105, and listening not below 100

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### **Pearson PTE Academic**

61 overall, with no component below 59

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### **LanguageCert Academic**

70 overall, with no skill below 60

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### **Cambridge IGCSE First Language English 0500**

Grade C overall, with a minimum of grade 2 in speaking and listening. Speaking and listening must be separately endorsed on the certificate.

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## Cambridge IGCSE First Language English 0990

Grade 4 overall, with Merit in speaking and listening

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## Cambridge IGCSE Second Language English 0510/0511

0510: Grade B overall, with a minimum of grade 2 in speaking. Speaking must be separately endorsed on the certificate. 0511: Grade B overall.

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## Cambridge IGCSE Second Language English 0993/0991

0993: Grade 6 overall, with a minimum of grade 2 in speaking. Speaking must be separately endorsed on the certificate. 0991: Grade 6 overall.

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## Cambridge ESOL Level 2/3 Advanced

176 overall, with no paper below 162

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## Pre-sessional English

Do you need to complete a Pre-sessional English course to meet the English language requirements for this course?

The length of Pre-sessional English course you'll need to take depends on your current level of English language ability.

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### Pre-sessional English in detail

If you don't meet our English language requirements, we can use your most recent IELTS score, or [the equivalent score in selected other English language tests](#), to determine the length of Pre-sessional English course you require.

Use the table below to check the course length you're likely to require for your current English language ability and see whether the course is available on campus or online.

<b>Your most recent IELTS score</b>	<b>Pre-sessional English course length</b>	<b>On campus or online</b>
6.0 overall, with no component below 5.5	6 weeks	On campus
5.5 overall, with no component below 5.5	10 weeks	On campus and online options available
5.5 overall, with no more than one component below 5.5, and no component below 5.0	12 weeks	On campus and online options available
5.5 overall, with no component below 4.5	20 weeks	On campus
5.0 overall, with no component below 4.5	30 weeks	On campus
4.5 overall, with no more than one component below 4.5, and no component below 4.0	40 weeks	On campus

If you've completed an alternative English language test to IELTS, we may be able to use this to assess your English language ability and determine the Pre-sessional English course length you require.

Please see our guide to [Pre-sessional English entry requirements](#) for IELTS 6.5 overall, with no component below 5.5, for further details.

## **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.

^ [Back to top](#)

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