

Physical Sciences entry route leading to BSc (Hons) (4 year route including a Foundation Year at Carmel College)

COURSE DETAILS

- UCAS code: F308
- Study mode: Full-time
- Length: 4 years

KEY DATES

- Apply by: [25 January 2023](#)
- Starts: 25 September 2023

Course overview

Studying this programme provides a route into any of the BSc (Hons) degree programmes offered by the Department of Physics.

INTRODUCTION

This programme provides a route into any of the BSc (Hons) degree programmes offered by the Department of Physics. You will undertake a foundation year at [Carmel College, St Helens](#), where the class sizes are small and the standards of academic achievement high.

At Carmel College, you will take three foundation modules chosen from Physics, Mathematics, Chemistry, Biology or Geography, depending on which degree route you want to follow. In your second year, you will attend the University of Liverpool and take the same modules as

other students on your chosen programme from the following:

- Geophysics (Geology) BSc (Hons) (F640)
- Geophysics (Physics) BSc (Hons) (F656)
- Ocean Sciences (Physics Pathway) BSc (Hons) (F700)
- Physics BSc (Hons) (F300)
- Physics and Mathematics BSc (Joint Honours) (FG31)
- Physics with Astronomy BSc (Hons) (F3F5)
- Physics with Medical Applications BSc (Hons) (F350)
- Physics with Nuclear Science BSc (Hons) (F390)

WHAT YOU'LL LEARN

- Skills needed for independent study at

undergraduate degree level

- Undertaking a variety of learning methods and assessment tasks
- Fundamental principles that underpin modern physics

- Latest advances in cutting-edge physics research

ROUTES

- [Geophysics \(Geology\)](#) BSc (Hons)
 - [Physics](#) BSc (Hons)
 - [Physics and Mathematics](#) BSc (Hons)
 - [Physics with Astronomy](#) BSc (Hons)
 - [Physics with Medical Applications](#) BSc (Hons)
 - [Physics with Nuclear Science](#) BSc (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

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

Our research-led teaching ensures you are taught the latest advances in cutting-edge physics research. Lectures introduce and provide the details of the various areas of physics and related subjects. You will be working in tutorials and problem-solving workshops, which are another crucial element in the learning process, where you put your knowledge into practice. They help you to develop a working knowledge and understanding of physics. All of the lecturers also perform world class research and use this to enhance their teaching.

Most work takes place in small groups with a tutor or in a larger class where staff provide help as needed. Practical work is an integral part of the programmes, and ranges from training in basic laboratory skills in the first two years to a research project in the third or fourth year. You will undertake an extended project on a research topic with a member of staff who will mentor you. By the end of the degree you will be well prepared to tackle problems in any area and present yourself and your work both in writing and in person. In the first two years students take maths modules which provide the support all students need to understand the physics topics.

HOW YOU'RE ASSESSED

Assessment is mainly by examination and coursework. Depending on the modules taken you may encounter project work, presentations (individual or group), and specific tests or tasks focused on solidifying learning outcomes.

Students are expected to score an overall mark of 50% to progress to the second year of the course. In year two, students will start the first year of their selected degree programme at the University of Liverpool.

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 skills you will develop are highly valued by employers, such as a practical approach to problem solving, strong powers of analysis, numeracy, good IT skills and the ability to communicate well. At the University of Liverpool, we ensure our students graduate with the skills employers need. Our stakeholders group, formed of strong industry leaders, advises on all relevant aspects and entrepreneurship is introduced as a key skill through project work.

88% OF PHYSICS STUDENTS AT THE UNIVERSITY OF LIVERPOOL FIND THEIR MAIN ACTIVITY AFTER GRADUATION MEANINGFUL.

Graduate Outcomes, 2018-19.

Physicists are trained to solve a wide range of problems. That's why graduates have gone on to explore careers in such diverse areas such as telecommunications; microelectronics; nuclear power and instrumentation; cryogenics; astronomy; geophysics medical physics; materials science; computing; teaching; business;

finance and management. Physics graduates are currently among those earning the highest starting salaries in the UK, according to latest figures, and our graduates enjoy excellent opportunities for careers in research, industry, computing, teaching, business and finance.

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.
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Fees and funding

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

TUITION FEES

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

UK fees Also applies to Channel Islands, Isle of Man and Republic of Ireland	
Foundation year fee	£5,140

International fees	
This course is not available to international students.	

Following the foundation years, standard course fees apply.

Fees stated are for the 2023-24 academic year.

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](#)

Select your country or region for more scholarships and bursaries.

Entry requirements

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

Your qualification	Requirements About our typical entry requirements
A levels	<p>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, email degree@carmel.ac.uk or telephone +44 (0)1744 452 213.</p> <p>Applicants over 21 can be considered on GCSEs alone</p>
GCSE	<p>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.</p>
International qualifications	<div data-bbox="975 1285 1439 1420" style="border: 1px solid gray; padding: 5px; text-align: center;">Select your country or region to view specific entry requirements.</div> <p>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.</p>

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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THE ORIGINAL

REDBRICK