



UNIVERSITY OF  
LIVERPOOL



.....

# Undergraduate Prospectus 2017

LIFE CHANGING  
World Shaping

**Inspiri**

**Challe**

**Spirite**

**Ambit**

ng

nging

ed

Inspiring people to learn and achieve, we help them make the most of life. And by addressing some of the world's toughest challenges, we help make life better for people everywhere. Here you can do things you may have never thought possible. Because, just like the city of Liverpool, we celebrate individuality and ingenuity, energy and enterprise; and we see how the ideas of one person can reverberate around the world.

tious...



# Welcome to the University of Liverpool

*Choosing the right place to study is one of the most important decisions you will ever make. It will affect not only the next three or four years, but also your future career. At Liverpool, our staff are at the cutting edge of their disciplines, and work hard to keep students up-to-date with the excitement and knowledge of all the latest developments. If you join us, you will spend your undergraduate career in a dynamic, international research-led academic environment – one which has been associated with nine Nobel Laureates during our history. The University and city of Liverpool offer you the social, sporting and welfare facilities that will support an exciting and fulfilling student life. If you are able to, come and see us. Explore the campus, meet the academic staff and students, and take the time to make the best decision for you. If you can't visit the campus, see our virtual tour at [www.liverpool.ac.uk/study/opensday/virtual-open-day](http://www.liverpool.ac.uk/study/opensday/virtual-open-day) and videos at [www.liverpool.ac.uk/study/undergraduate/video](http://www.liverpool.ac.uk/study/undergraduate/video) for a flavour of life at the University of Liverpool.*

*Good luck in your search.*

**Professor Janet Beer**  
Vice-Chancellor

This is our undergraduate prospectus for 2017 entry, an introduction to the University of Liverpool and an at-a-glance guide to what we offer. We hope it will give you a flavour of what it would be like to study here. To find out more visit [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate) for information about the University, the city and full programme listings. Alternatively call us on **T: +44 (0)151 794 5927**, we'd be delighted to hear from you.



Come and visit us at one of our Open Days in 2016:

Friday 24 June 2016

Saturday 25 June 2016

Saturday 24 September 2016

Saturday 8 October 2016

[www.liverpool.ac.uk/openday](http://www.liverpool.ac.uk/openday)

If you can't make it to an Open Day or would like to explore our campus before visiting us, take a look at our Virtual Open Day:

[www.liverpool.ac.uk/study/openday/virtual-open-day](http://www.liverpool.ac.uk/study/openday/virtual-open-day)



Join our online community:



@livuni



[www.facebook.com/UniversityofLiverpool](http://www.facebook.com/UniversityofLiverpool)



UofLTube



@livuni



View additional content in our augmented reality prospectus...

1. Download the **FREE 'Zappar'** app from the iOS App Store or Google Marketplace to your device
2. Launch the app on your phone or tablet
3. Hold your device over a page that contains the Zappar logo (above) to bring the page to life.

# Contents

## **We are Challenging**

Be part of a bigger picture 08

## **We are Ambitious**

A globally connected university 12

Our international community 14

Study abroad 20

Xi'an Jiaotong-Liverpool University 22

## **We are Inspiring**

Prepare for your future career 26

Our alumni network 28

Music on campus 30

Sport Liverpool 31

Liverpool Guild of Students 34

Accommodation 38

Learning resources 42

Our support services 44

## **We are Spirited**

Life in the city 50

An insider's guide to Liverpool 52

Visiting the University 56

Programmes 58 – see index on page 05

Honours Select 290

Applications and admissions 296

Student finance 298

Terms and conditions 299

How to find us 300

City map 301

Campus map 302

Index 304

## Programme index (by subject area)

- Archaeology, Classics and Egyptology **58**
- Architecture **68**
- Chemistry **74**
- Communication and Media **80**
- Computer Science **86**
- Dentistry **96**
- Earth Sciences **102**
- Ecology and Marine Biology **110**
- Electrical Engineering and Electronics **116**
- Engineering **126**
- English **136**
- Environmental Science **142**
- Geography **146**
- Health Sciences **152**
- History **160**
- Irish Studies **166**
- Law **172**
- Life Sciences **178**
- Management School **188**
- Mathematical Sciences **198**
- Medicine **206**
- Modern Languages and Cultures **214**
- Music **230**
- Ocean Sciences **238**
- Philosophy **246**
- Physics **252**
- Planning **260**
- Politics **266**
- Psychology **272**
- Sociology, Social Policy and Criminology **278**
- Veterinary Science **284**
- Honours Select **290**

### Faculty key

- Health and Life Sciences
- Humanities and Social Sciences
- Science and Engineering

## Useful contacts

### UCAS codes

LVRPL L41

### Enquiries and applications

T: +44 (0)151 794 5927

E: [irro@liverpool.ac.uk](mailto:irro@liverpool.ac.uk)

<http://ask.liv.ac.uk>

### University switchboard

T: +44 (0)151 794 2000

[www.liverpool.ac.uk/study](http://www.liverpool.ac.uk/study)

### Clinical programmes

Dental Sciences T: +44 (0)151 706 5298

Health Sciences T: +44 (0)151 794 5799

Medical School T: +44 (0)151 795 4370

Veterinary Science T: +44 (0)151 794 4797

### International Support Team

E: [ist@liverpool.ac.uk](mailto:ist@liverpool.ac.uk)

[www.liverpool.ac.uk/studentsupport/ist](http://www.liverpool.ac.uk/studentsupport/ist)

### Student Service Centre

T: +44 (0)151 794 5863

[www.liverpool.ac.uk/studentsupport](http://www.liverpool.ac.uk/studentsupport)

### Tuition Fees Office

T: +44 (0)151 794 6777

### Disability Support Team

[www.liverpool.ac.uk/studentsupport/disability](http://www.liverpool.ac.uk/studentsupport/disability)

### Financial Support Team

[www.liverpool.ac.uk/studentsupport/finance](http://www.liverpool.ac.uk/studentsupport/finance)

### Accommodation Office

T: +44 (0)151 795 0319

E: [accommodation@liverpool.ac.uk](mailto:accommodation@liverpool.ac.uk)

[www.liverpool.ac.uk/accommodation](http://www.liverpool.ac.uk/accommodation)

## Useful dates

### Teaching year 2017/18

Welcome week: 18-24 September 2017

25 September – 15 December 2017

Exams: 15-26 January 2018

29 January – 16 March 2018

9 April – 11 May 2018

Exams: 21 May – 1 June 2018

### Semester dates

#### Semester One:

25 September 2017 – 26 January 2018

#### Semester Two:

29 January 2018 – 1 June 2018

If you need any sections of this prospectus in an alternative format, please contact

T: +44 (0)151 794 5927

# Challe



# We are engaging

We engage in ground-breaking research that addresses some of the world's toughest challenges. By joining a research-led university you will benefit from a high-quality education, learning from inspirational figures who will challenge and encourage you throughout your studies.

Ranked **20<sup>th</sup>**

in the UK's Research  
Excellence Framework (REF).



Be part of a  
**bigger**  
picture



In total,

**81%**

of our research is ranked  
in the highest categories of  
4\* (world-leading) and 3\*  
(internationally excellent).

## The University of Liverpool's research power is ranked 20th in the UK's Research Excellence Framework (REF), with seven subjects in the top 10.

As a Russell Group institution, research is central to everything we do, from identifying new drugs to treat Ebola to developing personalised healthcare, our work helps to tackle some of the great issues affecting society today.

### What this means for you

Study here, and rather than be spoon-fed your learning, you'll be challenged to think beyond the textbook, the lecture theatre or the lab, take what you learn from some of the greatest minds in their fields and apply your learning to the world around you. You'll graduate not only with a degree from a University ranked in the top 1% of institutions worldwide, but with a range of multidisciplinary skills to ensure you stand out from the crowd.

Good to know: we are associated with **9** Nobel Prize winners.

## Our ground-breaking research spans all three Faculties. Here is just a taster of our work.

### Developing high-efficiency, low-cost thin film solar cells

At Liverpool, our Stephenson Institute for Renewable Energy aims to change the physics and chemistry of solar cells to make them genuinely cheaper and to help create a self-sustaining market for cost-effective photovoltaics (PV). Recently, we have developed a new low-cost processing route for thin film solar cells, with an unequalled efficiency record in the UK of 16.5%.

### The power of digitality

Research by the University's Centre for Architecture and the Visual Arts, and its cultural partners, is investigating the role of digitality (such as computer-aided design, audio-visual quality of space or moving image visualisations) on the design of contemporary urban spaces. Using a range of methods and techniques, including mapping, filming, projecting, 3D animations and augmented reality, the aim is to provide insight into the representation of, and engagement with, architectural and urban forms, narratives and practices.

### Personalised health

Liverpool is at the forefront of developing new treatments and methods to create a personalised approach to healthcare. Using our knowledge of clinical pharmacology, genomics and our understanding of diseases, our aim is for every patient to receive the right drugs at optimal doses, maximising effectiveness and managing adverse reaction.

### Tackling Ebola virus infection


Researchers from our Institute of Infection and Global Health, in collaboration with Public Health England, have recently published research which shows how existing therapeutics can be identified and potentially repurposed for anti-viral therapy.

### Advanced materials

Liverpool is leading in the design of functional materials, changing the perception of what is possible in the field. Through a series of first-in-class *Science* and *Nature* papers we have introduced new classes of materials, and our Centre for Materials Discovery, Materials Innovation Factory and Leverhulme Research Centre developments are revolutionising this exciting area of science.

### Reducing losses in the food chain

A team from our Institute of Integrative Biology, led by Professor Jane Hurst, working with Rothamsted Research, is investigating the scent signal mechanisms that rodents use to navigate around their habitat, communicate with each other, and reproduce. They aim to use these signals to monitor and manipulate rodent behaviour to inform future rodent-control strategies and reduce the damage they cause to food resources around the world.

A group of diverse young people, including a man in a red and white striped shirt and two women, are smiling and looking towards the camera. They are standing in front of a background of large, colorful geometric shapes in shades of green, yellow, and grey. A green rectangular box is overlaid on the image, containing text.

We are a global university with partnerships across the world, from our partner university in China to our campus in London. Join the University of Liverpool and these networks will open opportunities to travel, study abroad and make your own worldwide connections.

We are

Ambi



# ititious

# A globally connected university

With our global connections, we have students all over the world studying for a University of Liverpool degree either on our campuses in Liverpool, London or Singapore or at our joint venture University in China or online. This connectivity means that all of our students gain an international experience either within the classroom studying alongside international students or by taking advantage of our distinctive opportunities to study abroad.



Some of our international connections are highlighted below.

## XJTLU

Xi'an Jiaotong-Liverpool University (XJTLU) is our partnership with Xi'an Jiaotong University (a top 10 university in China). XJTLU is based in the world heritage city of Suzhou, which has a population of four million and is located half an hour from Shanghai by bullet train. XJTLU is a phenomenal success, having opened with a cohort of just 156 students which has now grown to almost 7,000 students. XJTLU offers degrees in:

- Computing
- Maths
- Engineering
- English
- Communication and Media
- Architecture
- Biological and Chemical Sciences
- Business
- Planning
- Environmental Sciences.

Currently around 2,700 students from XJTLU are either completing part of their undergraduate studies in Liverpool or studying for a postgraduate degree here. The presence of these students alongside our other international and EU students brings a truly international flavour to our campus.

Our special relationship with XJTLU also provides a distinctive and invaluable opportunity for almost all our students to study abroad in this exciting and vibrant country.



Good to know: currently,

# 2,700

undergraduates from XJTLU are completing part of their degree at Liverpool, bringing a truly international flavour to our campus.

This can be done by replacing a semester of your Liverpool programme (in relevant subjects), taking a summer school programme or by extending your degree to taking the exciting new Year in China option (see pages 22-23 and [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina)).

Our Chinese connections are strengthened by the Confucius Institute on campus, which offers our students the opportunity to learn Chinese.

### Singapore Institute of Technology (SIT)

SIT is Singapore's 5th university and works in collaboration with leading universities around the world to provide specialist programmes to provide for the diverse needs of the Singapore economy. The University of Liverpool is proud to offer a BA degree in Criminology and Security through SIT in Singapore.

### Liverpool in London

The University of Liverpool in London offers a suite of professionally focused postgraduate programmes in the heart of the capital. London is a global hub at the centre of professional, cultural, government and academic networks, so our campus is ideally located. Growing links to the professions and industry, allow opportunities for placements and enhanced career support from one of the UK's leading employability teams.

Many of our students are taking advantage of this link to complete postgraduate study in London.

For further information and to watch a film about our London campus see [www.liverpool.ac.uk/london](http://www.liverpool.ac.uk/london)

### Liverpool online

As Europe's largest provider of wholly online degrees through our partnership with Laureate Online, our online portfolio now includes 22 postgraduate programmes and two professional doctorates – giving almost 8,000 students from across the globe the opportunity to take advantage of Liverpool's teaching excellence without leaving their homes, jobs and families.

### Study abroad partnerships

The University has over 120 partnerships with prestigious universities around the world to offer our students the opportunity to study abroad through the Erasmus+ or worldwide study abroad programme. For more information see pages 20-21.



# Our international community

7,700



We currently have  
over 7,700 international  
and EU students...

127

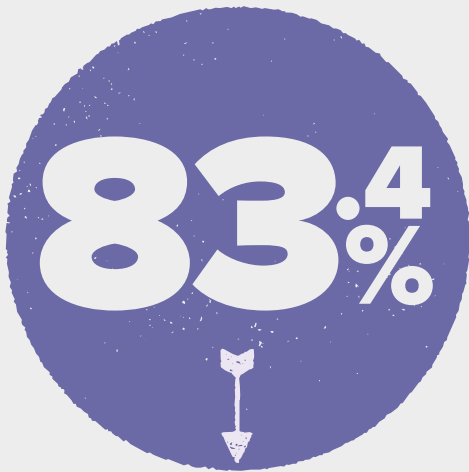


...from over 127 countries.



*I spent five great years at the University of Liverpool. The teaching has always been excellent and the facilities are great. There are so many things to do on-and-off campus it makes it almost impossible to not enjoy it here. I have met wonderful people, world-renowned academics and made lifelong friends. Liverpool is multicultural and diverse; it possesses all the qualities of a great city; countless restaurants, visitor attractions, cafés, bars, concerts and many other events.*

**Vartan Balian**  
Medicine and Surgery MBChB student from Armenia



83.4% of international graduates are employed or in further study within six months of graduating.



We are in the top 1% of universities worldwide for internationally recognised research.



**As a truly global university, we currently have 7,700 international and EU students from 127 countries around the world. If you join us you will enjoy an amazing, life-changing student experience in a diverse international community with a rich cultural mix.**

More than 70% of our international students are studying at undergraduate level. 850 undergraduate students are from EU countries and we welcome an additional 330 EU and international students through Erasmus+, international exchange or visiting students programmes.

### **Why choose Liverpool?**

Here are some reasons why international students keep choosing Liverpool:

#### **Worldwide reputation for excellence**

- We are ranked joint 10-17 in the UK (Academic Ranking of World Universities – Shanghai Jiao Tong University's Institute of Education)
- A rich heritage stretching back to 1881
- We are a member of the Russell Group (the prestigious association of the top 24 UK research-led universities)
- We have pioneering global partnerships offering distinctive opportunities to study abroad or to study a University of Liverpool degree in Liverpool, London, China, Singapore or online
- We are the original 'redbrick' University and are associated with nine Nobel Prize winners
- We are internationally renowned for our teaching and research in the professions, including Medicine, Law, Dentistry, Business and Engineering.

#### **Outstanding student experience**

- Personalised and supported entrance into the UK for international students
- Wide range of scholarships for international students
- One of the most cost effective student cities in the UK
- Competitive tuition fees
- Compact campus at the heart of a safe city
- Our student:staff ratio is the 9th best in the UK and the 7th best in the Russell Group (Guardian University Guide).

#### **Internationally recognised research**

- Liverpool is in the top 1% of universities worldwide
- Our research power is ranked 20th in the UK's Research Excellence Framework (REF) with seven subject areas in the top 10.

#### **University campus in a world-famous city**

- Liverpool's impressive waterfront is a UNESCO World Heritage site
- Home of Liverpool and Everton Football Clubs and the Beatles
- Liverpool is 3rd in the Rough Guides list of top 10 destination cities in the world 2014
- Liverpool was voted 4th in the top 10 must visit destinations in TripAdvisor's Travellers Choice awards for 'Destinations on the Rise 2015'.

#### **Great career prospects**

- 83.4% of international graduates are employed or in further study within six months of graduating
- Dedicated career advice for international students
- 80% of careers service users rated their experiences as 'excellent' or 'good'
- Award-winning Careers & Employability Service.

International students are an integral part of our student community here at Liverpool, but we do realise that you may need additional support and information and we have outlined some of the sources of support available over the next few pages.

## International Recruitment, Relations and Study Abroad Team

Our International Recruitment, Relations and Study Abroad team (IRRSA) is responsible for providing information and advice to international students before you get to the University. This includes guiding you through our entry requirements and the admissions process, informing you of opportunities for scholarships and sending relevant information at the right time to help you prepare for your studies in Liverpool.

We produce separate publications for international students, which outline specific information on fees, scholarships, overseas representatives and entry requirements. You can download these publications online at [www.liverpool.ac.uk/international/courses/prospectus](http://www.liverpool.ac.uk/international/courses/prospectus) or request a copy from the team.

At [www.liverpool.ac.uk/international](http://www.liverpool.ac.uk/international) you will find:

- Answers to all the questions you may have as an international student
- Qualifications we accept from your country for entry to undergraduate study
- Contact details for some of our current international students who can answer your questions from a student's perspective
- The opportunity to speak to a member of our Enquiries Team via our online chat service
- A short film about life on campus in a world famous city to help you get a real feel for the place.

## Student Ambassadors

Our Student Ambassadors are current international students here at the University who are always ready to share their experiences. Whether you want to know what it is like studying at Liverpool or what to pack in your suitcase, our Student Ambassadors are happy to answer your questions. Have a look at their profiles at [www.liverpool.ac.uk/connect](http://www.liverpool.ac.uk/connect)

## Welcome to Liverpool

To ensure you arrive safely in Liverpool, the Student Recruitment team organises a free 'Meet and Greet – Airport Transfer Service' from Manchester Airport.

This service is available for three days before the start of Welcome Week to bring you to campus in time for the important induction programme during Welcome Week. This induction for all new students contains specialist sessions and talks for international students to ensure you fulfil immigration requirements, register on time, make friends and settle into campus life quickly.

Throughout the week, you will have the opportunity to get involved in various social activities including events such as, British film nights and society gatherings. All of these events are a great way to make new friends and practice your English from the start of term. The International Support Team are located in the University's Student Services Centre and provide a central point of contact for any issues you face as an international student throughout the academic year. Staff can provide advice relating to immigration, finance, accommodation, study and any personal issues you might have.

## English language requirements

As well as meeting academic requirements, all students (including UK) must have an acceptable English language qualification such as IELTS. School level English language qualifications from some countries are acceptable in lieu of these international tests and general guidelines can be found on the International website at [www.liverpool.ac.uk/international/countries/english-language](http://www.liverpool.ac.uk/international/countries/english-language). The level of English required varies depending on your chosen programme of study.

## English Language Centre

If your English test score is below the required entry level for your chosen degree programme you can attend one of our English Language Centre's English for Academic Purposes (EAP) Pre-sessional courses, before you commence your studies. These courses are designed not only to help you improve your command of English language but also to help you settle into the University and city before the start of your main academic programme.

We offer a range of specially designed courses in English from intensive short courses to all year round study. Delivered by highly experienced staff our programmes can improve your English by up to two IELTS bands over a 29 week course and by half a band over a six week course.



The classes prepare you for listening to lectures, participating in academic seminars, reading academic papers, and writing essays and reports. You will be shown how to use the library, computing facilities, Sports Centre and other university services.

There is also a full social programme, which includes excursions and activities. For most of our degree programmes if you successfully complete one of our Pre-sessional courses you will not have to retake an IELTS test. There will however be an assessment in each competency (reading, writing, speaking, listening) in order to ensure progression onto your main academic programme.

The English Language Centre also offers free In-sessional English language classes to all international students who would like additional English language support throughout the academic year.

Full details of the English Language Centre's activities can be found on [www.liverpool.ac.uk/english-language-centre](http://www.liverpool.ac.uk/english-language-centre)

### Pathway programmes

As many countries have a different education system to that of the UK, you may require further academic preparation before you can start your main programme of study at a UK university.

International students whose school leaving qualifications are not eligible for direct entry to many undergraduate programmes at the University can undertake a foundation pathway programme to provide an entry route onto many of the undergraduate programmes at the University of Liverpool.

In conjunction with our partner organisations, Kaplan and the Northern Consortium (NCUK), we offer a number of opportunities for students to enter the University via foundation pathway programmes, here in Liverpool via Liverpool International College or in centres around the world via the NCUK or Kaplan global foundation programmes.

### Liverpool International College (LIC)

LIC, based on the University campus, provide two different Foundation Certificate options leading to entry onto a wide range of our undergraduate programmes.

- Foundation Certificate in Business, Law and Social Sciences
- Foundation Certificate in Science and Engineering.

Upon successful completion of the Foundation Certificate programme to the required level, you will be guaranteed admission to the first year of undergraduate study at the University of Liverpool. For further information please see [www.liverpool.ac.uk/lic](http://www.liverpool.ac.uk/lic)



Kaplan also provides Global Foundation Programmes around the world with pathways to University of Liverpool programmes. For more information, please see [www.kic.org.uk/pathways/](http://www.kic.org.uk/pathways/)

### Northern Consortium (NCUK)

NCUK provides in-country foundation pathway programmes in their centres in over 30 countries around the world. If you pass your NCUK foundation programme at the required level, you are guaranteed a place on your chosen undergraduate study programme here. An NCUK foundation pathway is a great option if you would like to complete your foundation qualification in your own country. For further information please see [www.ncuk.ac.uk](http://www.ncuk.ac.uk)

### Keeping in touch

The University provides extensive IT facilities for students, including free, fast speed 24-hour access to the internet and email to help you keep in touch with friends and family overseas. For further details please see pages 42-43.

### Tuition fees and the cost of living

Full details of tuition fees for overseas students for 2017/18 can be found on our website at [www.liverpool.ac.uk/study/international/money-and-scholarships](http://www.liverpool.ac.uk/study/international/money-and-scholarships)

Liverpool is one of the most cost effective student cities in the UK. We estimate that to cover your living expenses you will need between £8,000 and £10,000 per year, depending upon your lifestyle. With our competitive tuition fees, scholarship package and comparatively low cost of living, we offer an affordable student experience at a high quality, world-renowned institution.

### Visas

Most international students from outside the EU will need a visa to enter the UK. The majority of students coming to the University will need a Tier 4 general student visa and you must obtain your visa before you enter the UK. For details on how to apply for your visa see [www.liverpool.ac.uk/studentsupport/ist/information](http://www.liverpool.ac.uk/studentsupport/ist/information) or [www.gov.uk/tier-4-general-visa/overview](http://www.gov.uk/tier-4-general-visa/overview)

### Contact information International Recruitment, Relations and Study Abroad Team

The Foundation Building  
Brownlow Hill, Liverpool L69 7ZX  
United Kingdom

T: +44 (0)151 794 6730

E: [irro@liverpool.ac.uk](mailto:irro@liverpool.ac.uk)

### English Language Centre

T: +44 (0)151 794 2722

F: +44 (0)151 794 2739

E: [elc@liverpool.ac.uk](mailto:elc@liverpool.ac.uk)

# Study abroad



**Study abroad is a fantastic opportunity to combine your Liverpool degree with time spent at a prestigious partner university in the USA, Canada, Asia, Australia or Europe.**

It's a fact that studying abroad gives you a head start in getting a job when you graduate – around 60% of the country's top employers say international study enhances employability. Data from the Higher Education Statistics Agency also shows that students who participate in study abroad are more likely to be in work or further education six months after graduating and that their average salaries are higher.

Study abroad gives you the invaluable opportunity to spend an extended period of time in another part of the world, without adding any extra time on to your Liverpool degree. You will always be taught in English at any of our partner universities, so it's not necessary to speak another language to take part. In addition, you can feel safe in the knowledge that, even though you may be halfway around the world, you're still a Liverpool student with all the help, advice and support that goes with it.

Studying abroad has huge personal benefits too. You will experience a new culture, make friends from all over the globe, as well as develop your independence. Academically, the time you spend abroad will enhance your degree; giving you the chance to experience a new educational environment and take classes and modules that you won't take at Liverpool. It also gives you the chance to improve your language skills, something that is increasingly important in the global community.

Although it's not necessary to speak another language to study abroad, many of our partner universities offer free courses in the local language. Under the Erasmus+ scheme, we have over 60 partnerships with European universities, giving students in more than 20 different subject areas the opportunity to apply for study abroad in Europe. Or perhaps you're interested in opportunities to study further afield? Depending on your degree subject, there are opportunities to study abroad in destinations such as Hong Kong, China, Malaysia, the United States, Canada, Brazil, Peru or Australia.



*Studying abroad was one of the best decisions I made at university. Academically it gave me the chance to study under a different university system and get a different perspective on my degree. One semester will allow you to have some of the best times of your life!*

**Alice Hirst**  
 BA History, studied abroad  
 at Monash University, Australia



We are unique in having set up the first joint Sino-British institution in China: Xi'an Jiaotong-Liverpool University (XJTLU), located in the beautiful and bustling Suzhou, half an hour from Shanghai by high speed train. Through this special partnership, we are able to offer students from a number of departments the life-changing opportunity to spend a semester or year studying in China, one of today's global economic power houses.

Students studying abroad will usually spend one semester at the partner university, although some opportunities, for example at XJTLU, are for a full academic year. Students participating in study abroad won't pay any tuition fees to the partner university and will still receive their student loan. We also offer a number of grants and scholarships to students who participate in study abroad.

Visit the study abroad website [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad) to find out about the opportunities and practicalities and to read the profiles and blogs of students who have benefitted from this extraordinary opportunity.

 @livuniandabroad

 www.facebook.com/uolstudyabroad

 **Erasmus+**  
 Changing Lives. Opening Minds.

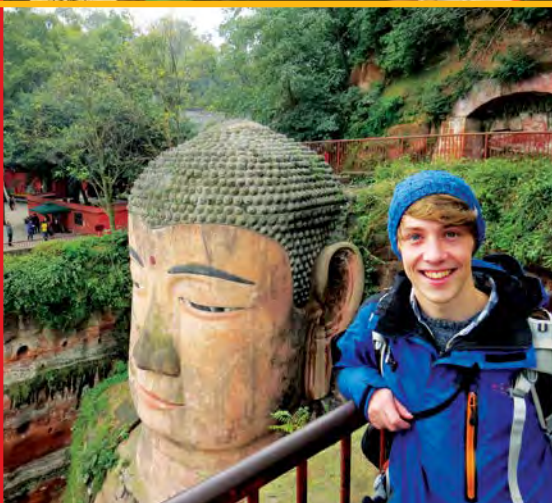
# Xi'an Jiaotong-Liverpool University



Liverpool is unique in having established a joint Sino-British university in China in collaboration to form a new university with the prestigious partner Xi'an Jiaotong University.

Located in the beautiful Suzhou, an ancient Chinese capital, the joint venture, Xi'an Jiaotong-Liverpool University (XJTLU) is only 30 minutes from Shanghai by bullet train.

Through this special partnership, we are able to offer students, from a wide range of subject areas, the life-changing opportunity to spend time studying in China, one of the world's most important economies.



## You can study at XJTLU on one of the following options:

### Year in China

The Year in China is our flagship opportunity for Liverpool students to experience and understand this amazing country. Combine your normal Liverpool degree programme with an extra year spent studying classes on Chinese language, politics and culture at XJTLU. This fantastic opportunity is open to nearly all degree programmes at the University, to find out which look out for this symbol in the programme pages (pages 58-289). See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more details.

### Study abroad at XJTLU

Students from selected departments can choose to replace a semester, or their second year of study, with one at XJTLU. See [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad) for more details.

### XJTLU Summer School

Students from any degree programme can apply to the XJTLU Summer School, learning Mandarin. Liverpool students receive a 30% discount on the tuition fees.



Lecture Theatre A, B, C & D



We are

inspired





We provide our staff and students with the best intellectual, social and physical environment in which to conduct research, teach and learn. You will benefit from our supportive, high-quality facilities designed to enhance both your time here and future after you graduate.



# Prepare for your future career

Our award-winning Careers & Employability Service is here to help you make the most of your time at the University by providing a range of expert advice and information to give you a head start in the graduate job market. But don't worry if you don't yet know what you want to do after graduation. Clued-up or clue-less, we're here to help. After all, it is your career we're talking about.

Studying at the University of Liverpool brings with it numerous career benefits. Supporting you all the way will be the University's Careers & Employability Service – one of the UK's most innovative and dynamic university careers services. So you can be confident that you are making a sound decision for your future career by choosing us.

### Enhance your employability

Being employable is about attitudes and skills, confidence and drive – it means being able to choose a career, apply effectively and be successful. As the world of work changes and organisations evolve, employers are increasingly searching for graduates not just with a degree but with the right blend of skills, knowledge and experience – graduates who can make a difference in any situation.

That's why at Liverpool we are focused on developing your employability while you are studying in preparation for life after graduation.

### Services and resources

The University of Liverpool Careers & Employability Service supports students and graduates across all disciplines. Each academic department has a dedicated careers adviser, and as a student, you can access our up-to-date resources in person via our Careers Resource Centre or on our website: [www.liverpool.ac.uk/careers](http://www.liverpool.ac.uk/careers)

Resources and services available to you include:

- A comprehensive programme of careers related seminars, workshops, fairs and recruitment events
- Support in finding work placements and internships in the UK and overseas
- Access to a wide range of job opportunities
- Opportunities to meet organisations keen to recruit Liverpool students and graduates
- Support from our team of professional careers advisers.

Not that we're complacent, we are constantly looking to improve our services and develop our expertise to support students.

### Wanted: work experience

A good degree from the University of Liverpool will open a lot of doors, but these days employers are interested in graduates who can demonstrate more than just an outstanding academic record. We can help you find opportunities specifically designed for university students.



These include:

- Part-time jobs
- Paid Summer and Easter internships
- Year in industry placements.

### My Liverpool

My Liverpool is our online portal where you can search for extra-curricular activities to complement your studies and to develop the skills needed to increase your employability. Whether you are interested in volunteering, mentoring, taking an additional course, learning a new language, being a Student Representative, blogging for the University, joining a sports club or any of the 200+ Guild Societies, you can find out about all of these at [www.liverpool.ac.uk/my-liverpool/](http://www.liverpool.ac.uk/my-liverpool/)

### Talent Sourcing: Graduate Recruitment

As a member of the Russell Group, studying at Liverpool gives you direct access to an extensive range of recruiters operating in all sectors of the economy, and in companies ranging from SMEs (Small and Medium Enterprises) to international corporations. Employers value our solid academic reputation and want to meet our students.

At Liverpool we have a dedicated Employer Engagement Team who promote Liverpool students and graduates directly to some of the world's leading recruiters. Last year, around 300 employers visited campus to recruit Liverpool students, and we advertised thousands of placement, internship and graduate vacancies on the Careers & Employability Service website.

### Find out more

Careers & Employability Service

T: +44 (0)151 794 4647

E: [careers@liverpool.ac.uk](mailto:careers@liverpool.ac.uk)

[www.liverpool.ac.uk/careers](http://www.liverpool.ac.uk/careers)

Good to know: we are ranked in the top

15

UK universities targeted by UK employers in the latest Global Employability University Survey.

*At Deloitte we recruit talented individuals from all disciplines, not only business related degrees. The University of Liverpool offers a diverse range of subjects coupled with extensive extracurricular activities that produces a large pool of talented individuals with a broad range of skills. As an employer with 1,200 graduate and undergraduate opportunities we relish the opportunity to target these quality students who we hope will add to the eminence of our organisation.*

A spokesperson from Deloitte, one of the top four UK professional service firms

# Our alumni network

When you graduate you join a global community of more than 195,000 University of Liverpool alumni with access to a network of Ambassadors and Alumni Associations designed to support you wherever you are in the world.

Our alumni programme is not just designed to assist you during your transition from student to graduate but to help you to build a rewarding lifelong relationship with the University.

With our support you will be able to forge relationships that can help to develop your career, opening up new opportunities with like-minded professionals, forming new friendships, and building invaluable social networks.

You will also have access to a wide range of benefits and services, including Continuing Professional Development and volunteering opportunities, and exclusive discounts and event invitations. Liverpool is also one of the only universities in the Russell Group that offers free online journal access, with both Emerald and JSTOR available through the alumni website. On top of all this, you will receive a regular e-newsletter and a copy of our alumni magazine, enabling you to keep up to date with news and views from Liverpool. For more information visit [www.liverpool.ac.uk/alumni](http://www.liverpool.ac.uk/alumni)

*Although I now live in London, I remain closely connected to the University and the city. The University's Alumni Relations team organise a great range of events so I can keep in touch with my friends and meet other graduates. I've been along to several of these in London and have found them a fantastic way of catching up on old times and networking with other Liverpool alumni in the Capital.*

**Joanna Robotham**  
BA (Hons) Music/Popular Music 2002  
BBC Press Officer



Watch our graduation film at:  
[www.liverpool.ac.uk/study/undergraduate/courses/video](http://www.liverpool.ac.uk/study/undergraduate/courses/video)



# Music on campus

Liverpool is a city full of music. The campus is bursting with the musical activities of students of all instrumental and vocal abilities. Anyone can enjoy making music at the University of Liverpool.

For classically minded musicians we have the University Symphony Orchestra, and the Chamber Orchestra. Between them, these two orchestras generate at least six concerts a term. The Chamber Orchestra, in particular, performs in local and international outreach projects, in local schools and colleges and various campus functions. It also undertakes an annual tour of Normandy and takes paying gigs around the country.

Liverpool University Music Society (LUMS) develops ensemble musicianship in all standards of musicians; Band Society allows students to form bands and play at the best venues in the city. Then there's the Folk Society, the Big Band for jazz and swing enthusiasts, the Flute Choir, the Brass Band, the University Singers and the Chamber Choir.

But of course, as Liverpool students you are encouraged to innovate, to form new societies or reshape existing ones, and help to make your mark on the constantly changing musical life of both the campus and the city.

The Department of Music hosts many events open to the public, with a regular lunch-time concert series and research colloquia. See [www.liverpool.ac.uk/music](http://www.liverpool.ac.uk/music) for up-to-date listings.



# Sport Liverpool

Whatever your sporting interests, we have a dedicated and growing team of professional staff to help you get the best out of our excellent facilities.

When you come to the University of Liverpool, you'll have the opportunity to try a whole range of different sports and activities as well as developing any existing skills you already have.

## Excellent facilities

Sport Liverpool offers you space, facilities and support to enjoy a fantastic range of activities, meet new people and have fun, all for a great price. Our facilities include the **Sport and Fitness Centre** with access to:

- 25 metre swimming pool and shallow water area
- Two sports halls
- Four squash courts
- Dance and spinning studios
- Boulderling wall
- Sports Cafe
- Supportive staff and personal training sessions to help you achieve your fitness and wellbeing goals.

Add these to a comprehensive fitness suite and weight training rooms, and we have some of the best facilities and services university life can offer.

The Sports and Fitness Centre offers organised sign-up/drop-in classes including spinning, pilates and combat training and a five-a-side league. These are available to suit all levels of ability, providing individuals and groups with the opportunity to participate in a range of recreational exercise, dance and sporting activities.

For general information call:

T: +44 (0)151 794 3307/4126

For membership information call:

T: +44 (0)151 794 3314/4126

Few university sports grounds can match the number of quality outdoor sports facilities at the University of Liverpool. At our **Wyncote Sports Ground** we have:

- 10 senior football and four rugby pitches
- One lacrosse pitch
- Two hockey/football pitches (full-size, sand-dressed, all-weather pitches)
- Floodlit rugby training area.

In the heart of the Snowdonia National Park in the village of Deiniolen, near Llanberis, our **Outdoor Activity Base** offers basic accommodation for up to 18 people in two dormitories. It's perfect for a team building trip or outdoor expedition around this beautiful part of North Wales. It is available for booking on a first come, first served basis, throughout the year.

## Value

At Sport Liverpool we offer so much more than just flexible, competitive membership fees. We tailor our facilities, classes, advice and services to our members, so whether joining as part of a team, a class, or simply meeting your own fitness goals we can offer you real support.

## Wellbeing

We understand that looking after your fitness can not only help you look good, but make you feel great too. Feeling fit and healthy can help with managing the stresses and strains of everyday life, and lead to improved performance at work, or even better academic results. So our approach to wellbeing is not just about sport, it's about helping you develop a mind-set, a real work life balance that enables you to get to where you want to be.

## Community

Sport is and should be fun, whether you are taking part or spectating. As well as offering you the chance to join in and compete at all levels, our Athletics Union also means you can really get behind team Liverpool too. There's a real community feel to our facilities and lots of opportunities to socialise and make new friends.

## How do I get involved?

Everyone is welcome to drop in to the Sports and Fitness Centre or Sport Liverpool Office even if it is just to look around and pick up additional information or a membership application form. Our staff will provide you with all the information you need to get started and to help you make the most of our wide ranging facilities, services and activity programmes.

Sports are available at three levels so there is something for everyone:

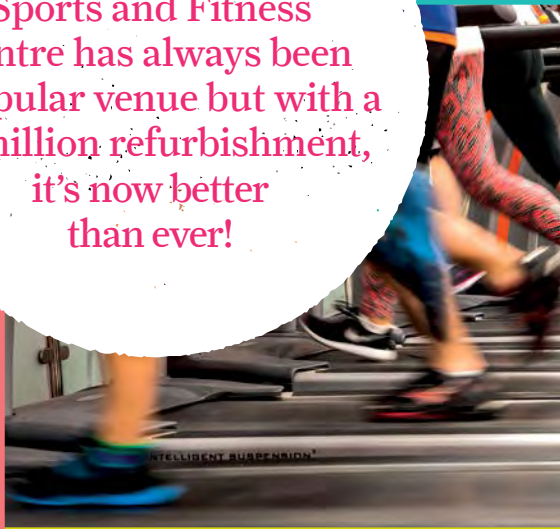
- **Club Sport:** Join one of our 47 student-led sport clubs most of which represent us in the British Universities and Colleges Sport leagues (BUCS) and with some clubs accepting beginners now is your chance to try something completely new!
- **Campus Sport:** Campus Sport provides students and staff with the opportunity to take part in sport at a recreational level. There are internal leagues in football, rugby, netball and hockey and also casual opportunities to play organised badminton and basketball. The University's Campus Football programme is the first in England to be accredited through the FA's Charter Standard
- **Casual:** Keep fit and enjoy the sports that you love on an informal basis.

To find out more visit the website  
[www.liverpool.ac.uk/sports](http://www.liverpool.ac.uk/sports)

## Elite Athlete Support

The University offers sport bursaries to ambitious, high performing athletes in a wide range of sports. For an application form visit our website or contact E: [hwhitton@liverpool.ac.uk](mailto:hwhitton@liverpool.ac.uk)





The University Sports and Fitness Centre has always been a popular venue but with a £5 million refurbishment, it's now better than ever!





# Liverpool Guild of Students

---

As soon as you join the University of Liverpool, you automatically become a member of the Guild of Students and from your first day as a student and throughout your university years, it's our job to make sure you enjoy your time with us. We are led by students, and we make sure you're at the heart of everything we do.





*I loved being involved with the Guild during my time at the University so much that I'm now proud to work as President here and make being a student at the University of Liverpool even better. Your student years really are the best of your life, and we're here to show you why.*

**Harry Anderson**  
President – Liverpool Guild of Students 2014/15



**Advice**

[www.liverpoolguild.org/advice](http://www.liverpoolguild.org/advice)

We offer free, confidential and independent advice on academic issues to all University of Liverpool students.

We can support you with any problems you face during your studies – whether it's guiding you through the University's disciplinary or academic procedures, helping you to appeal your results, or making a claim for mitigating circumstances.

There's lots of help available to you, and if we can't give you the answers you're looking for, we will point you in the direction of the people who can.

**Change it**

[www.liverpoolguild.org/main-menu/change-it](http://www.liverpoolguild.org/main-menu/change-it)

Got an idea to improve things for you and your fellow students? Tell us and we can help you make change for the better. Our democracy structure is easy to get involved in.

Students have successfully used our Change It system in the past including improving the dietary information on our menus and introducing a preferred name option on all University and Guild documentation – so the power really is in your hands.

**Course representatives**

[www.liverpoolguild.org/course reps](http://www.liverpoolguild.org/course reps)

So you start your course and find yourself full of ideas for how it could be even better. Great stuff – become a course rep!

Course reps work with staff and fellow students to identify and discuss issues which affect their course, and look for solutions.

They go to relevant Staff Student Liaison Committees (SSLCs) to talk about their course and their input helps to improve the quality of the academic experience for themselves, their peers, and future students.

As well as changing your studies for the better, being a course rep will give you useful CV boosting skills which will appear on your My Liverpool report, and it's a great way to meet new people.

**Green Guild**

[www.liverpoolguild.org/greenguild](http://www.liverpoolguild.org/greenguild)

Our Green team provide students with opportunities to think green and become more sustainable. They run lots of student-led volunteering and social enterprise projects throughout the year where you can learn loads of new skills.

**Eat and drink**

Hot or cold food options in our Courtyard or Sphinx Bar, or if you're on the move, grab a snack from our Guild Shop (you can even warm it up using our microwaves if you like!). We've got great £3.29 meal deal offers you can take advantage of.

Enjoy a drink in one of our four bar spaces, or take a break at our Starbucks coffee shop franchise or Courtyard area!

**Give it a go**

[www.liverpoolguild.org/giag](http://www.liverpoolguild.org/giag)

Exactly what it says on the tin! It's time to experience, experiment and explore. We have a programme packed with activities and events you can get involved in – from skills and training courses to fun filled trips around Liverpool and the rest of the UK.

**Halls Student Committees**

[www.liverpoolguild.org/halls](http://www.liverpoolguild.org/halls)

Our Halls' Student Committees (HSCs) make sure that all students living in halls have a great time by organising plenty of exciting trips and events you can enjoy throughout the year.

Events organised include Children in Need parties, Christmas and Halloween film nights, and trips all over the country.

The HSCs also represent halls students on any issues they have, and make sure their views are heard by the University of Liverpool.

**Learn**

New cooking and dancing skills with fellow society members in the shake and bake room – a quirky spot where you can perfect your pirouettes and whip up a culinary storm within the same four walls.

## Officers

[www.liverpoolguild.org/main-menu/about-us/your-officers](http://www.liverpoolguild.org/main-menu/about-us/your-officers)

Four officers are elected by all students in a vote each year. Once elected, they help you get involved, have fun, and make the most of your university experience.

It's their job to work with Guild staff and volunteers to help shape the work of the organisation and work out what our priorities are.

They lobby the University, the City and other organisations to represent your thoughts and opinions on your University experience. We attend councils, forums and Trustee Board meetings throughout the year to make sure these are heard and action is taken to make positive changes.

## Party

To the superb sounds of live music in our bar and night club areas. Among your suite of party spaces is the Mountford Hall – the second biggest concert arena in Liverpool which has already been a stage for The Killers, Queen, Led Zeppelin, The Smiths, Jamie T and Example.

## Shop

For those all-important University of Liverpool goodies from our Merchandise Shop – we've got everything from hoodies to calculators and mugs to USB sticks.

You can pick up stationery, food and household essentials from our Guild Shop. We also offer a CollectPlus service so you can have your parcels delivered directly to our shop.

## Societies

[www.liverpoolguild.org/groups](http://www.liverpoolguild.org/groups)

From Geography to Gaming, Poker to Politics. Sociology to Salsa.

We give students the space and resource to come together with people who share the same interests.

Whether you're keen to pursue a current hobby or want to start doing something new, we have over 200 societies for you to get involved in. And if we don't have what you're looking for – start a new society! We'll support you all the way.

## Volunteering

[www.liverpoolguild.org/volunteering](http://www.liverpoolguild.org/volunteering)

We run lots of our own volunteer projects to give you the chance to boost your skills, self-esteem and the wider Merseyside community.

### You can volunteer With young people

Help to teach young people the joys of science and all things green and improve your own people skills in the process.

### In the community

Cook and serve tasty, nutritious meals to vulnerable groups of society and help reduce the amount of reusable items we send to landfill.

### Across our campus

Boost your gardening skills, improve your energy awareness, share your green knowledge with others and make sure our campus stays top of the eco-friendly class.

### For charity

Take part in fundraising and volunteering projects with one or more of the local charities we work with.

## Watch

Sporting events on big screens in our bar areas, films and documentaries in our cinema room.

If you'd rather see a live show, there will also be lots of comedy and live music nights to enjoy.

You can also come along to the Stanley Theatre and enjoy entertainment from our performing arts societies.


## Contact details

[www.liverpoolguild.org](http://www.liverpoolguild.org)

T: +44 (0)151 794 6868

E: [recept01@liverpool.ac.uk](mailto:recept01@liverpool.ac.uk)

 [www.facebook.com/liverpoolguildofstudents](https://www.facebook.com/liverpoolguildofstudents)

 @LiverpoolGuild



# Accomm

University Halls of Residence offer students a comfortable and safe setting with a strong residential support network on hand at all times. These close-knit communities help new students to integrate by providing exclusive social events where lifelong friendships will be made.

Whether you live in our campus-based accommodation or our off-campus Student Villages, you will be able to access a range of recreational facilities within easy travelling distance of the city centre. Our Halls Student Experience Team organise events throughout the year and strongly encourage both students' involvement and ideas for future activities.

## Student Villages

Carnatic and Greenbank Student Villages are home to a thriving community of exclusively first-year undergraduates with a vibrant social scene. Many events are hosted on the spacious grounds and various communal spaces located at the two sites, from sports clubs and society meetings to formal dinners. Both Villages are located in the leafy residential area of Mossley Hill, close to the popular areas of Allerton and Smithdown Road where many students choose to live in their subsequent years of study.

### Greenbank Student Village

With its historic parkland and listed mansion house, Greenbank Student Village comprises a lively community of approximately 420 students. Sporting facilities include Greenbank mini-gym and outside tennis courts, with large green spaces for summer activities.

### Carnatic Student Village

Carnatic consists of five individual Residences totalling around 1,100 students who enjoy the central restaurant and bar as well as other amenities, including a music room, meeting areas and communal study rooms.

## Campus residences

Students who live on campus are within walking distance of the University academic departments and recreational facilities as well as the city centre.

### Crown Place, Philharmonic Court and Vine Court

These modern Halls of Residence offer students a high standard of accommodation and are extremely popular with current students. Study bedrooms are all en-suite with WiFi connection and shared kitchen and lounge areas. There are laundrettes, outdoor social spaces and communal chill-out spaces, along with an excellent restaurant and café at Vine Court.

**Crown Place:** 1,300 first-year students

**Philharmonic:** 350 first-year students

**Vine Court:** 450 first-year students and 300 postgraduate students

### Melville Grove

This Hall houses around 200 first-year students and has recently undergone a huge programme of refurbishment. Rooms are self-catered with shared kitchen and bathroom facilities which are maintained regularly by our staff.

# Accommodation

## 2016-17 fees

See [www.liverpool.ac.uk/accommodation](http://www.liverpool.ac.uk/accommodation) for the latest fees for 2017/18.

Site and name of hall	Contract length (Wks)	Weekly rate (£)	Annual rate (£)
<b>Carnatic</b>			
<b>C</b> Lady Mountford Hall	39	141.40	5,514.60
<b>C</b> Morton House	39	141.40	5,514.60
<b>C</b> Rankin Hall	39	141.40	5,514.60
<b>C</b> Salisbury Hall	39	141.40	5,514.60
<b>C</b> McNair Hall	39	141.40	5,514.60
<b>Greenbank</b>			
<b>C</b> Roscoe and Gladstone Hall	39	141.40	5,514.60
<b>Campus</b>			
<b>SE</b> Crown Place Single	39	134.40	5,241.60
<b>SE</b> Crown Place Deluxe	39	140.00	5,460.00
<b>SE</b> Crown Place Deluxe Studio	39	161.35	6,292.65
<b>SE</b> Crown Place Deluxe Plus Studio	39	171.50	6,688.50
<b>SE</b> Vine Court Premier	39/51	153.65	5,992.35
<b>SE</b> Vine Court Premier Plus	39/51	159.25	6,210.75
<b>SE</b> Vine Court Premier Studio	39/51	170.80	6,661.20
<b>SE</b> Vine Court Premier Plus Studio	39/51	191.10	7,452.90
<b>CE</b> Vine Court Premier Catered	39	194.60	7,589.40
<b>CE</b> Vine Court Premier Plus Catered	39	206.15	8,039.85
<b>SE</b> Philharmonic Court Premier	39	153.65	5,992.35
<b>SE</b> Philharmonic Court Premier Plus Studio	39	191.10	7,452.90
<b>S</b> Melville Grove Single	39	124.60	4,859.40
<b>S</b> Melville Grove Double	39	130.55	5,091.45

**C** Catered **CE** Catered En-suite **S** Self-catered **SE** Self-catered En-suite

**Catered or self-catered?**

Staying in catered halls can make the transition of moving away from home and settling into student life more manageable as you don't have the added worries of shopping and cleaning up after meals. You will be able to choose either a continental or freshly-cooked breakfast each morning as well as a three-course evening meal, with vegetarian and special diet options also available. Mealtimes are a fantastic chance to catch up with friends and as the catered package is included in the price of the room, you won't have the hassle of budgeting for food.

Self-catered accommodation is becoming increasingly popular with students at Liverpool and this has been a focal point for the University's investment into its Halls of Residence. Self-catered rooms are all located centrally to the University campus and are divided into flats of around six to ten students sharing spacious kitchen facilities.

**The Accommodation Guarantee**

We guarantee University accommodation to students who have firmly accepted an unconditional (UF) or conditional firm offer (CF) of study at Liverpool and have applied for their accommodation by 31 July 2017. The accommodation team will ask for your three preferences as a guideline but cannot guarantee these choices. It is strongly recommended that students submit their applications as early as possible.

Students who have accepted a conditional insurance (CI) offer should also apply as soon as possible as we are often able to offer them accommodation. These students do not fall inside the guarantee.

If you apply after the guarantee deadline and there are no rooms left in University accommodation, Liverpool Student Homes (LSH), a joint initiative between the three universities in Liverpool, will be able to offer you advice and support in finding accommodation in the private sector. LSH provides students with details concerning rented accommodation including student houses, flats, apartments, studios, and private Halls of Residence. All properties are vetted by LSH and must comply with their strict Code of Practice.

**What's next?**

Once you have received an offer to study at the University of Liverpool, you will be sent an email invitation to submit your application for accommodation through our online student portal. You will not receive a room offer until your place of study has been confirmed. For most students, this will be the Monday following A level results day.

**Contact us**

Accommodation Office  
Crown Place  
202 Brownlow Hill  
Liverpool L3 5UE

T: +44 (0)151 795 0319

E: [accommodation@liverpool.ac.uk](mailto:accommodation@liverpool.ac.uk)

[www.liverpool.ac.uk/accommodation](http://www.liverpool.ac.uk/accommodation)

*Shared housing in popular student districts such as Smithdown Road typically costs between £65-£75 per person per week.*

Liverpool Student Homes  
[www.liverpoolstudenthomes.org](http://www.liverpoolstudenthomes.org)



# Learning resources

## The University libraries

Our libraries have over two million books, a large portfolio of 65,000 electronic journals and online access to most major databases. The libraries offer access to over 680,000 contemporary electronic books including academic e-books, reports and conference proceedings. There are extensive special collections, such as the largest Science Fiction collection in Europe, plus rare books and manuscripts. Electronic resources can be accessed from any computer with an internet connection.

You can have 24/7 access on or off-campus to the library catalogue, our electronic resources, the programme notes your department has put online and a fantastic array of learning materials. Both the Sydney Jones and Harold Cohen libraries are open 24 hours on week days throughout the academic year.

The libraries provide computer and study space, a laptop loan service, staffed helpdesks and both are zoned to provide silent, quiet and group study space.

The University libraries consistently achieve excellent scores in student satisfaction surveys, including The National Student Survey (NSS) for all groups of students.

[www.liverpool.ac.uk/library](http://www.liverpool.ac.uk/library)

## IT services

There are over 2,000 computers available across campus plus high speed WiFi service for laptops, tablets and mobiles. Most of the computers are in our two main libraries and are available 24/7 but there are also PC centres in most buildings across campus.

We provide a wide range of software to support your studies, some of which is also available for you to install on your own computer for free, including Microsoft Office.

Most of our services are available off campus and apps like Mobile Campus and Mobile Learn give you access to your resources wherever you are from your smartphone or tablet.

As soon as your place is confirmed you can activate your University computing account, use your University email and access many of the resources and services you will need when you arrive to start your studies.

## Getting help 24/7

The Computing Services Service Desk provides support 24/7, you can follow us on [twitter.com/liverpoolcsd](https://twitter.com/liverpoolcsd) and our webpages [www.liverpool.ac.uk/csd](http://www.liverpool.ac.uk/csd) keep you up-to-date with what is going on, what is new and what is available to you.

We have online resources to support and develop your IT skills, including task-based materials which you can download and work through at your own pace. We are here to help you develop the IT skills you need to make the most of your studies.

**Good to know:**  
Liverpool was the first  
Russell Group university  
to provide week-day  
24-hour opening  
throughout the  
academic year.



### Online learning environment

Virtual Interactive Teaching at Liverpool (VITAL) supports learning and teaching activities across the Internet. This enables quick and easy provision of your programme materials; provision of communication tools such as discussion boards and virtual chat facilities; and support for collaborative project work. You can also view recorded lectures online to support your study and revision. The Mobile Learn app gives you access to VITAL on your mobile wherever you are. Our 'Lecture Timetables' app also means you can keep up-to-date with your schedule whenever and wherever you are.



Improving your study skills and prospects *iLearn* is a unique website providing practical tips to help you not only get the most out of your studies but also to develop skills that help you in every aspect of your life.



The website contains a wide variety of tips and ideas for things such as getting the most from lectures, revision, researching using the Internet and essay writing. To find out more, visit [www.liverpool.ac.uk/eddev/supporting-students/ilearn/](http://www.liverpool.ac.uk/eddev/supporting-students/ilearn/)

### Continuing Education Modern Languages

Through our Continuing Education Modern Languages programme, you can learn a wide range of languages, including Arabic, Chinese, French, German, Irish, Italian, Japanese, Portuguese, Russian and Spanish.



# Our support services

## Student Services Centre

The Student Services Centre is a focal point for all our specialist support, welfare and health and wellbeing services. If you are not sure which team to talk to, try here first. Our staff are friendly, helpful and very experienced.

[www.liverpool.ac.uk/studentsupport](http://www.liverpool.ac.uk/studentsupport)

## Financial Support Team

The Financial Support Team (FST) provides support and advice to both current and prospective students.

The team offer the following services:

- Discretionary financial help through the University Hardship Fund for students experiencing financial hardship
- Advice on statutory funding for full and part-time undergraduates
- Liaise with funding bodies regarding problems with funding
- Debt advice service – liaising with creditors if necessary

- Assist in cases where students are trying to prove either estrangement or independent status with their funding body
- Advice on funding for EEA migrant workers and other EU students who may qualify for UK funding
- Eligibility and calculation of welfare benefits
- One to one budgeting sessions and other group sessions aimed at improving money management.

If you have any previous study at Higher Education level, we advise you to contact the team before starting your programme as this may affect your funding entitlement. For more information see [www.liverpool.ac.uk/studentsupport/finance](http://www.liverpool.ac.uk/studentsupport/finance)

## Support for care leavers

The FST also provides a dedicated support service to all care leavers and you will have a dedicated member of staff to offer any extra support you may need.



# We strive to provide student support services. Whatever help you may need, we have an entire support network to help you.

The University offer a bursary to UK students who have been in care for a specified period of time (not available for students on NHS funded courses). If you need further information contact the FST.

For more information on all of our services see [www.liverpool.ac.uk/studentsupport/finance](http://www.liverpool.ac.uk/studentsupport/finance)

## Health

Brownlow Health is a full-time general practice offering medical services to students on campus. We also give nurse-led emergency treatment and provide health services at the Halls of Residence. For more information contact the Student Health reception on T: +44 (0)151 285 4578/4784.

## Childcare facilities

Our purpose-built Children's Centre on campus provides 68 full-day care places for babies and pre-school children. It also runs playschemes during the school holidays see [www.kidsinbloom.co.uk/portfolio/university-of-liverpool-nursery](http://www.kidsinbloom.co.uk/portfolio/university-of-liverpool-nursery)

## Religion

As you might expect in a city of this size, there are places of worship for virtually every religion and faith and we can help you find them. At the University we have Chaplains from the leading Christian denominations who are based in Faith Express and provide pastoral care and support for all students and support Christian societies in The Guild.

Faith Express is the centre for faith information on campus including information about world faiths, local events related to faith, student faith societies and about finding a place of worship in Liverpool. Other faiths such as Baha'i, Buddhism, Hinduism, Judaism, Islam and Sikhism also have societies within The Guild. There is also a dedicated Muslim Prayer Room located on campus in the Sydney Jones Library.

[www.liverpool.ac.uk/studentsupport](http://www.liverpool.ac.uk/studentsupport)



### Counselling Service

The Counselling Service provides confidential counselling and support to help students with personal and emotional problems affecting their studies and general well-being, both on an individual basis and through our workshop programme. This provides help on specific topics such as optimising performance, managing anxiety and confidence building.

You can meet one of the professionally experienced counsellors to discuss any issues in confidence, by attending the drop-in service which runs Monday to Friday between 1pm and 2.30pm (no pre-booking required). Visit the website for full details and information about self-help materials and other sources of help. For more information see [www.liverpool.ac.uk/counserv](http://www.liverpool.ac.uk/counserv)

### Mental Health Advisory Service

Our full-time Mental Health Adviser is available throughout the year to support students experiencing difficulties. She is also available to give advice to students considering making an application to study. General enquiries should be made on T: +44 (0)151 794 2320, or by E: [mentalhealthadviser@liverpool.ac.uk](mailto:mentalhealthadviser@liverpool.ac.uk)

### Disabled students

Where students wish to disclose a disability, we work closely with students and their academic schools/departments to co-ordinate appropriate support. Our aim is to reduce any disadvantage a student may experience as a result of a disability.

The Disability Support Team recognises that each student has their own individual needs and will offer the student help and advice to establish a support system that works best for them.

Examples of support we can offer include:

- Confidential one-to-one appointments
- Advisory drop-in service
- Assistance with obtaining funding to support disability-related study needs, eg Disabled Students Allowance
- Help in arranging specialist assessments including Needs Assessments
- Identification of individual reasonable adjustments

- Liaison with academic departments/schools and other University departments to communicate and implement individual support requirements
- A Disabled Student Network forum
- Support to access loans of specialist equipment and software
- Access to independent Specialist Support Tutors
- Provision of study assistants eg note takers, mentors, library assistants
- Referral to a wide range of external contacts if specialist support and advice is needed.

If you would like to talk about any specific requirements you might have, please call us on T: +44 (0)151 795 8634 E: [disteam@liverpool.ac.uk](mailto:disteam@liverpool.ac.uk) or visit [www.liverpool.ac.uk/studentsupport/disability](http://www.liverpool.ac.uk/studentsupport/disability)

### Support for international students

The International Support Team (IST) works with students, University departments and the Liverpool Guild of Students to improve the overall experience of international students at the University of Liverpool. We provide specialist immigration advice and support students with a variety of personal and practical issues. We are available throughout the year to support students before, during and after studies in the UK. We have lots of information on our website or please contact us if you need specific advice.

For more information please contact:  
T: +44 (0)151 794 5863 E: [ist@liverpool.ac.uk](mailto:ist@liverpool.ac.uk)  
[www.liverpool.ac.uk/studentsupport/ist](http://www.liverpool.ac.uk/studentsupport/ist)

### Support for mature students

It's never too late to study for a degree – whether you are 21 or 91, we welcome and value the experience and commitment that older students have to offer. At the University of Liverpool, we're committed to extending opportunities to adults returning to study. All adult returners have their own reasons for wanting to go to university, but the qualities that they offer the University do not change: motivation, ability and a wealth of skills and experience. For more information, see [www.liverpool.ac.uk/study/undergraduate/applying/mature-students](http://www.liverpool.ac.uk/study/undergraduate/applying/mature-students)

### Diversity and Equality

The University is committed to ensuring that all students are able to succeed, and we are committed to ensuring that no students experiences any form of disadvantage because of their age, disability status, gender reassignment, pregnancy or maternity, marriage or civil partnership, race or nationality, religious belief or non-belief, gender, or because of their sexual orientation. Further information can be found at [www.liverpool.ac.uk/diversity-and-equality](http://www.liverpool.ac.uk/diversity-and-equality)

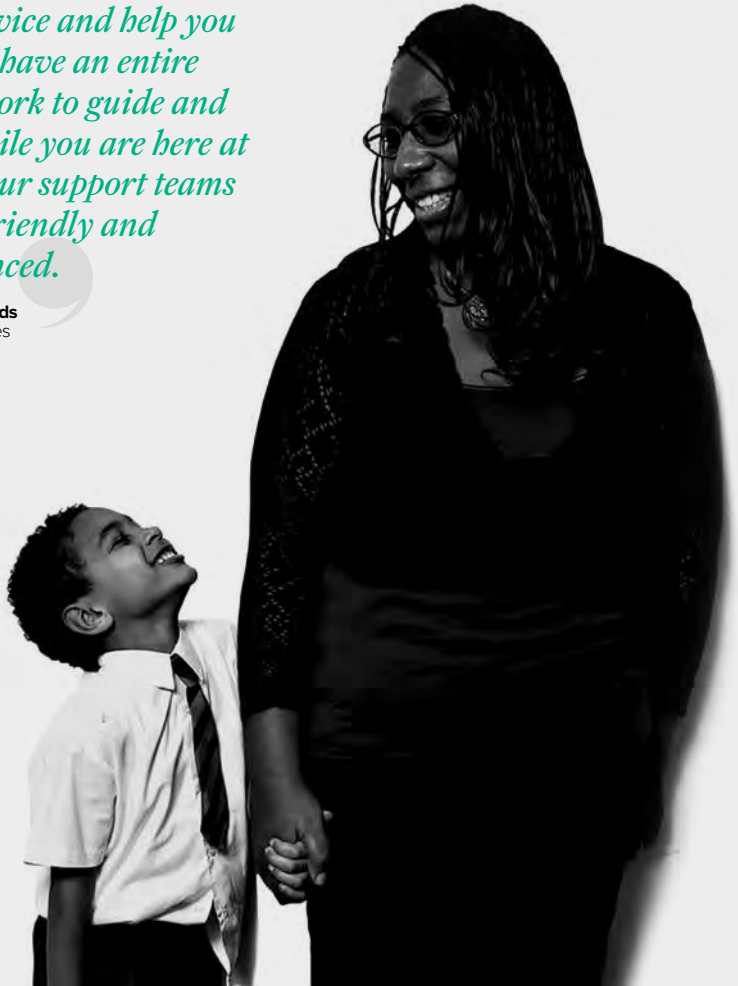
### Student Administration Centre

The Student Administration Centre, based in the Foundation Building, is a 'one-stop-shop' for all your financial and administrative needs. Home to the Student Administration and Support Division, here you will find information and help with the formal processes relating to registration and your academic record. Details of services offered can be found online at [www.liverpool.ac.uk/sas](http://www.liverpool.ac.uk/sas)



*Whatever advice and help you may need we have an entire support network to guide and assist you while you are here at university. Our support teams are helpful, friendly and very experienced.*

**Dr Paula Harrison Woods**  
Head of Student Services



The city of Liverpool shapes the University through its dynamic spirit, global outlook and pioneering opportunities and we shape the city through our extensive collaborative local network. Energetic, beautiful, creative... you will soon realise there is nowhere quite like Liverpool.



# Spir



We are  
ited





# Rio... Sarajevo... Liverpool...

Liverpool was ranked 3rd in the  
Rough Guides top 10 world cities.

*[www.roughguides.com/  
best-places/2014/top-10-cities/](http://www.roughguides.com/best-places/2014/top-10-cities/)*

LIVERPOOL ICE CR  
Company



# An insider's guide to Liverpool



Two of our recent graduates, Oliver Press (LLB Hons 2013) and David Williams (BA Hons Business Studies 2012), have developed Independent Liverpool, a company that enables members to benefit from discounts and special offers from some of the most unique retailers in the city.

The idea was sparked by a shared love of independent eateries and coffee shops, coupled with a growing disillusionment of the chain stores that were dominating Liverpool's high street. "We wanted to show our support for the underdogs, so we started a blog in our spare time to tell people about the city's best independent places to eat, drink, and shop," explains Oliver.

Within six months, the website quickly established itself as a 'go-to' guide for everything independent in the city and Oliver and David realised the potential to convert the blog into a profitable business.

Launched in 2013, the Independent Liverpool Membership Card offers discounts to some of Liverpool's best independents. Today, the company boasts 100 participating businesses, 15,000 cardholders, and two very happy graduates. "We've now expanded across the UK with websites and membership cards available in Birmingham and Sheffield," says David. "The next step is to expand even further and launch the card in every major city in the UK."

Find out more at  
[www.independent-liverpool.co.uk](http://www.independent-liverpool.co.uk)



Oliver and David have picked their top spots from across the city on pages 53-55.



Watch Oliver in our city film *Liverpool: an insider's guide* at: [www.liverpool.ac.uk/study/undergraduate/courses/video](http://www.liverpool.ac.uk/study/undergraduate/courses/video)

**Good to know:** The Royal Town Planning Institute (RTPI) named Liverpool's waterfront the 'greatest place in England'.

### Art and museums

With more galleries and museums than any city outside London, Liverpool is an ‘art-lovers’ paradise; from old masters in the **Walker Art Gallery** and modern masterpieces in **Tate Liverpool**, to cutting-edge film, photography and visual arts at **FACT**, the **Open Eye Gallery** and the **Bluecoat**. Not to mention we are host to the **Liverpool Biennial**, the largest international contemporary art festival in the UK. You can also spend a lazy Sunday afternoon wandering around the city’s museums, one of the most impressive collections in the country, among the most exciting is the **Museum of Liverpool**, a celebration of the city’s many great places, people and events. Many of the other museums explore the city’s rich and varied history, such as the **Merseyside Maritime Museum** and **The Liverpool Slavery Museum**. Galleries and museums are generally free entry except for special exhibitions.

★ Bluecoat



### Music

The 11,000 seat **Echo Arena Liverpool** on the world-famous waterfront is host to the world’s leading music artists for concerts on a large scale. If you prefer an alternative sound live bands play every night of the week, visit **LEAF**, **Camp and Furnace**, **The Shipping Forecast** or **East Arts Village Club** to see artists play in these unique venues. Classical music fans should not miss the world renowned **Royal Liverpool Philharmonic Orchestra**, led by the Chief Conductor and honorary Professor of the University of Liverpool, Vasily Petrenko.

★ Liverpool Philharmonic



### Nightlife

With over 250 city centre bars, pubs, clubs and plenty of student nights to pick from, it is no surprise that the users of TripAdvisor voted Liverpool as Britain’s Best Nightlife Destination. As we are a relatively small city, it is easy to move from place to place on your big night out, some of our favourite spots are the **Camp and Furnace**, **Aloha**, **Heebie Jeebies** and **Berry & Rye**. Bars are generally open into the early hours and are free to get in.

★ Camp and Furnace





### Theatre and performance

Amongst Liverpool's many theatres, the **Liverpool Playhouse** stages premieres by both local and international writers, while the **Liverpool Empire** is home to many popular touring West End productions including recently *The Lion King*, *Wicked* and *Mamma Mia!* The **Liverpool Everyman** Theatre features a 400 seat auditorium, its redevelopment has seen this much loved and important institution reinvigorated for the 21st century and the theatre was awarded the RIBA Stirling Prize for best new building of the year in 2014. If you prefer the big screen, grab your picnic blanket to watch a film under the stars at the **Secret Garden Cinema** or **The Bombed Out Church**, just two of the many outdoor cinemas popping up across the city!

★ Everyman



### Festivals

All year-round Liverpool draws in the crowds. Whether it's to see live music at **Liverpool Sound City**, the **Liverpool International Music Festival**, **Africa Oyé** and **Creamfields**; or embrace the energy and passion at **Brouhaha**, **Homotopia**, **Brazilica** and **Liverpool Pride**; or experience our world-shaping heritage and culture at the **Mersey River Festival** and **Liverpool Light Night** – Liverpool is always celebrating something.

★ Liverpool Light Night



### Relaxing

You might be surprised to find how green Liverpool is, with a wealth of beautiful city parks and a real sense of space. **Sefton Park** near the Student Villages in the south of the city, is a lovely place to spend an afternoon. Nearby **Lark Lane** is home to chilled-out bars and restaurants and an eclectic mix of independent shops. You might also be surprised to find that as we are a coastal city, we have some beautiful beaches. **Formby** to the north of the city offers an unspoilt stretch of National Trust coastline with fantastic dunes and forests that are one of the last remaining habitats for the red squirrel. Nearby **Crosby Beach** is home to Antony Gormley's 'Another Place', an installation of 100 life-size statues facing out to sea. Liverpool is also within easy reach of the **Lake District**, **North Wales** and the **Peak District**.

★ Sefton Park

## Shopping

Liverpool is a shopping destination to rival any city. In the city centre, **Liverpool ONE** houses 160 shops that are open late into the evening, along with restaurants to suit all tastes and a multiplex cinema. Nearby, there is high-end and designer fashion at the **Met Quarter** and **Cavern Walks**. As well as all the high street names that you would expect to find in any major city, Liverpool has more than its share of small, eclectic boutiques and quirky shops in the likes of **Grand Central** and **Bold Street**, offering a range of styles from urban street wear to vintage. In 2014 Lonely Planet rated **Bold Street** as one of the best shopping streets in the UK.

★ Bold Street



## Eating out

There is an incredible range of cafés, bistros and restaurants in Liverpool appealing to all tastes and budgets. Aside from the many eateries dotted around the campus, take a short walk into the city centre to find there's hearty food to be had in chilled out, bohemian surroundings at independent venues like **Neon Jamon**, **The Egg Café** and **Lucha Libre**. On a special occasion, push the boat out at **60 Hope Street**, or enjoy fine dining alongside breath taking 360° views across the city and over to the Wirral Peninsula from **Panoramic 34**, on the 34th floor of West Tower. Liverpool also has Europe's oldest Chinatown, **Yuet Ben** offers delicious food with a view of the magnificent Chinese Arch, the largest outside China.

★ Lucha Libre



## Sport

Liverpool is sport mad. Home to two of the Premiership's biggest football teams, both **Liverpool** and **Everton Football Clubs** are a mile or so from the city centre. **Aintree Racecourse** is home to the **Grand National**, there is county cricket at **Liverpool Cricket Club**, golf on "England's Golf Coast" at **Royal Birkdale** and the **Royal Liverpool Golf Club** in Hoylake (Wirral), Rugby League at **St Helens** and **Widnes**, and ample opportunities for watersports.

★ Liverpool Cricket Club




 Download the free 'it's liverpool' app from the iOS App store and Google Play [itsliverpool.com/app](http://itsliverpool.com/app)

# Visiting the University

If you like what you've read so far, the best way to get a feel for whether the University is right for you is to come and see us.

## Open Days

Our Open Days are a great opportunity for you to discover for yourself the facilities and programmes we have on offer and spend a day with us on campus.

You'll find current students on hand to welcome you and give first-hand opinions on what University life is like. You can visit departments, find out about Liverpool Guild of Students and more:

- Find out more about all aspects of life at the University at our general talks
- Ask our support staff your questions at the central exhibition
- Look around your academic department, meet the lecturers and get a feel for your subject
- See our university accommodation
- Get your bearings on one of our campus tours
- Explore our beautiful city on a city-centre tour.

To visit us on Open Day, please register at [www.liverpool.ac.uk/openday](http://www.liverpool.ac.uk/openday). Around two weeks before the event you will be sent an Open Day Guide that will provide full details of the event, allowing you to plan ahead for your visit.

## Virtual Open Day

If you are unable to attend one of the four Open Days we hold every year, our Virtual Open Day is an ideal way for you to find out more about the University of Liverpool, including our campus, key central facilities and the range of accommodation that we offer. Experience our Virtual Open Day at [www.liverpool.ac.uk/study/openday/virtual-open-day](http://www.liverpool.ac.uk/study/openday/virtual-open-day)

## Campus tours

If you can't make an Open Day, but would like to see the campus, guided tours of the campus take place regularly. Your tour will begin with an introduction to the University, followed by a walking tour of the campus that includes a visit to the Sports and Fitness Centre, one of the central libraries, a show flat in our on-campus accommodation, computing facilities and Liverpool Guild of Students. If you would like to book on to a campus tour, please complete the online form at [www.liverpool.ac.uk/openday](http://www.liverpool.ac.uk/openday)

Tours last for one hour. To visit a particular academic department, please contact them directly. Contact details can be found on our website.

## Independent visits

The campus is open to the public and our Self-Guided Campus Tour will help you orientate yourself, so please feel free to visit us at any time. You can request or download a Campus Tour Map and audio podcast at [www.liverpool.ac.uk/study/openday/tours](http://www.liverpool.ac.uk/study/openday/tours)



# In 2015 46,000 visitors came to our Open Days.

## Are you a teacher?

Our UK Recruitment Team provides a comprehensive and professional service to schools and colleges throughout the UK. We visit hundreds of schools and colleges and deliver a variety of talks and workshops to help students make informed choices about university. You will meet us at UCAS conventions and careers fairs around the country and we would love the opportunity to meet you in person to discuss what we can do for you. Contact us at any stage of the application process to find out how we can help your school.

## Contact us

T: +44 (0)151 794 5933

E: [schoolsandcolleges@liverpool.ac.uk](mailto:schoolsandcolleges@liverpool.ac.uk)  
or visit [www.liverpool.ac.uk/study/undergraduate/schools](http://www.liverpool.ac.uk/study/undergraduate/schools)

International students should contact the International Recruitment, Relations and Study Abroad team for queries and details of overseas visits – see page 19 for contact details.

## Our Open Days this year are on:

Friday 24 June 2016  
Saturday 25 June 2016  
Saturday 24 September 2016  
Saturday 8 October 2016



# Archaeology, Classics and Egyptology

We offer you the opportunity to engage in research-led teaching across a wide range of cultures and languages spanning five million years, in an academically inspiring environment. In a department with a heritage dating back to the 1880s, one of the largest teaching and research museums in the UK, and with access to award-winning teaching facilities, our staff will not only teach you the foundations of their research specialisms, but challenge and guide you through your studies to foster independent learning, and encourage you to specialise in what interests you most.

*I find the amount of access that we get to the Garstang Museum on campus, with frequent handling sessions and guided tours, as well as the availability of artefacts really beneficial to my studies, particularly now as part of my dissertation.*

**Ed Clark**  
Archaeology BSc (Hons)

## Good to know

### 88

Year One undergraduates in 2015

### 5th

in the UK for Archaeology and Egyptology for world-leading research (REF 2014)

### 94%

of our students are happy with the teaching on their programme (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose Archaeology, Classics or Egyptology at Liverpool?

## Bring theory to life

At Liverpool our teaching is not just paper-based; we have campus facilities that allow you to experience hands-on activities to complement your studies. You'll be taught in our Garstang Museum of Archaeology, which holds over 40,000 artefacts, including collections from Egypt, the Aegean, Sudan, Jericho, Anatolia and Great Britain. You'll also be able to use archaeological facilities in our Archaeological Research Laboratories as well as our award-winning Central Teaching Laboratories, which houses equipment and material for scientific analysis and has provision for flint-knapping and cave-painting, all of which are part of our core teaching activities.

## Benefit from the unique breadth of our programmes

You'll work alongside staff who are experts in their chosen field and have developed degree programmes that fully immerse you in the subject by studying the world from human origins right through to the civilisations of Greece, Rome, the Near East and Egypt. You can either choose to focus on a particular culture or period or gain a broader training that combines ancient civilisations. Alongside this, you will also have the opportunity to explore a number of ancient languages: Egyptian Hieroglyphs, Greek, Latin, Coptic, Sumerian and Akkadian.

## Surround yourself with academic excellence

You'll be studying in one of the largest departments of its kind in the world, with a community of 40 full-time academic staff all engaged in internationally recognised research. In the Research Excellence Framework (REF) 2014 Archaeology and Egyptology staff were ranked 5th in the UK for world-leading research.

Our staff specialisms include Greek and Roman Literature, Ancient History, Mediterranean Archaeology, British Prehistoric and Historic Archaeology, Human Evolution (Evolutionary Anthropology), African Archaeology, Near Eastern Archaeology and Egyptology (the largest grouping of Egyptologists in the UK).

## Fulfil your potential in a supportive environment

With our extensive staff expertise, we can support you in every aspect of your learning. As you move through your programme of study, we will work with you to encourage you to play to your strengths and to specialise in aspects and approaches that interest you, whether historical, archaeological, literary or linguistic.

## Study abroad

As part of your Archaeology, Classics and Egyptology degree programme you have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Our students can currently apply to study with one of the many worldwide partners we share links with. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Archaeology, Classics and Egyptology, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Archaeology, Classics, Ancient History and Egyptology degrees from Liverpool provide you with a rigorous training experience that produces graduates with an unusual breadth of experience.

Our graduates are well equipped for a wide variety of careers in fields as diverse as journalism, heritage management, law, the civil service, teaching, business, IT and tourism. You can also go on to undertake further study and research degrees and our past students have had marked success in gaining employment in universities and major museums, locally, national and internationally.

## How you learn

Your learning will flourish through lectures, seminar discussions, practical classes, oral presentations and tutorial sessions, encompassing both individual study and group work. You'll be working with a wide range of evidence including ancient texts in translation and physical remains. Students on archaeological programmes may have the opportunity to take placements in the Garstang Museum or National Museums Liverpool. Single Honours, Major and Joint Honours students have the opportunity to develop an individual piece of research on a topic of your own by choosing to undertake a dissertation in the final year. An academic adviser will help you focus on and hone the topic, and meet with you regularly to discuss progress and direction. All students will undertake fieldwork studies, principally at our Field School in Wales. However, with staff engaged at excavations in Turkey, Southern Africa, Egypt, Greece and Sicily (amongst other areas), many of our students go further afield.

## Fieldwork requirements

Archaeological fieldwork can be physically demanding, and requires an ability to undertake certain tasks (such as walking, carrying/using tools and equipment). At Liverpool, our Support Team is committed to supporting students and considering barriers to participation. On student request, we discuss reasonable adjustments to enable participation for disabled students, and can provide alternative (non-field/non-residential) options as appropriate. Please contact our Director of Fieldwork for further information:

E: [rachel.pope@liverpool.ac.uk](mailto:rachel.pope@liverpool.ac.uk)

## Which degree

**Ancient History** focuses on the history of ancient Greece and Rome, on its leading figures like Alexander the Great or Julius Caesar, and, more importantly, on the political, social, and economic realities of life in Athens or the Roman Empire.

**Archaeology** at Liverpool answers the most fundamental questions about human life; from our emergence as a species, the first villages, through the rise of civilisations, to the long-term consequences of our past actions.

Our **Archaeology BA** programme will provide you with the tools to investigate our past from the emergence of our species until the 20th century. Acquiring skills using cutting-edge methods in archaeological science, our **Archaeology BSc** programme puts you at the forefront of world-changing discoveries. For the archaeology of Egypt, the Mediterranean and the Near East, our **Archaeology of Ancient Civilisations** programme allows you to combine training in the latest archaeological techniques and methodology with the archaeology, culture, society and history of these key civilisations.

Studying **Classics** and **Classical Studies** offers you the chance to explore some of the world's finest literature and to investigate the histories, cultures and societies of Greece and Rome.

We are the largest department teaching **Egyptology** in Europe, offering a breadth of teaching unparalleled at undergraduate level in the UK. Our six Egyptologists are all engaged in cutting-edge research, some with excavations in Egypt itself. We have excellent resources to support our teaching; these include our in-house Garstang Museum and the library's extensive collections, as well as the objects in the city's Liverpool World Museum.

**Evolutionary Anthropology** is the study of how we evolved and what it means to be human. In this programme, unique to Liverpool, you will explore the archaeology of human evolution, palaeoanthropology, and primatology and combine the study of anatomy, art, psychology and earth sciences.

# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Ancient History BA (Hons) V110</b> 3 years	ABB	33	Applications considered ①	62
<b>Archaeology BA (Hons) V400</b> 3 years	ABB	33	Applications considered ①	63
<b>Archaeology BSc (Hons) V402</b> 3 years	ABB	33	Applications considered ①	63
<b>Archaeology of Ancient Civilisations BA (Hons) V401</b> 3 years	ABB	33	Applications considered ①	64
<b>Classics BA (Hons) Q800</b> 3 years	ABB	33	Applications considered ①	64
<b>Classical Studies BA (Hons) Q810</b> 3 years	ABB	33	Applications considered ①	64
<b>Ancient Greek</b>				65
<b>Latin</b>				65
<b>Egyptology BA (Hons) V410</b> 3 years	ABB	33	Applications considered ①	65
<b>Evolutionary Anthropology BSc (Hons) V4B1</b> 3 years	ABB	33	Applications considered ①	66
<b>Heritage Studies</b>				66

① BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.

## **Ancient History BA (Hons)** **UCAS code: V110** Programme length: 3 years

Our Ancient History programme provides you with the chance to study a wide range of themes in the political, social, and cultural history of ancient Greece and Rome. You are introduced to important figures such as Alexander the Great, Julius Caesar, or Augustus, and their military and political actions. You also learn about the social, economic, and cultural realities of life in Athens and Rome and you are challenged in your assumptions about the Classical World.

The degree provides you with the skills to read and analyse the surviving (and sometimes conflicting) evidence, allowing you to reach and present your own judgments convincingly on a variety of complex and controversial social, political, and cultural issues. You will also have the opportunity to study Greek and/or Latin from beginners to advanced levels.

## **Ancient History Joint**

In this programme you can combine a study of the social, political, and cultural history of ancient Greece and Rome equally with another subject. You will have the chance to study a wide range of periods and themes in social and cultural history.

Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

**i** For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

## Ancient History Minor <sup>25</sup>

Doing a Minor in Ancient History allows you to combine with your Major programme an overview of the social, political, and cultural history of ancient Greece and Rome, from the archaic Greek world through to the transformation of the Roman world under Augustus.

## Archaeology BA (Hons) <sup>100 75</sup>

**UCAS code: V400**

**Programme length: 3 years**

This degree programme enables you to study the most fundamental questions about human life through an understanding of archaeological methods and theory combining the archaeology of periods and areas of your choice. Learn how to reconstruct the past from its material remains. Investigate the major social, economic, religious and technological developments in long-term human history from Britain to South Africa and Spain to China. Learn how to carry out archaeological excavation and survey, study human, animal and plant remains, artefacts and art to investigate our past from the emergence of our species until the 20th century.

Single Honours students will be required to complete four weeks of supervised fieldwork. This involves two weeks of residential archaeological training on our field school at the end of Year One and a further two week placement at the end of Year Two.

## Archaeology Joint <sup>50</sup>

The aim of Archaeology at 50% is to provide you with a solid understanding of archaeological methods and theory combined with the study of the archaeology of specific geographical areas and chronological periods. This enables you to build highly-transferrable skills into any humanities degree to provide a bespoke programme of study.

All Joint Honours programmes with Archaeology (including Ancient History and Archaeology **VV14**) requires students to complete two weeks of residential archaeological training on our field school at the end of Year One.

## Archaeology Minor <sup>25</sup>

You can study Archaeology alongside your Major subject. The aim of Archaeology at 25% is to provide you with an opportunity to learn the skills required to unearth and reconstruct the past, and to study the archaeology of the geographical areas and chronological periods which most interest you while introducing key transferrable skills.

## Archaeology BSc (Hons) <sup>100 75</sup>

**UCAS code: V402**

**Programme length: 3 years**

Scientific analyses of archaeological remains are today answering some of humankind's most fundamental questions. If you want to learn the skills required to join this vibrant area of scholarship, the Archaeology BSc will train you in scientific methods used at the forefront of many important discoveries. Taught by world-leading researchers in materials analysis, bio archaeology and environmental reconstruction, this degree provides you with experience of the key issues and methods world-wide. As with the Archaeology BA, this degree programme will also provide you with a fundamental understanding of archaeological methods and theory combined with the study of the archaeology of specific geographical areas and chronological periods.

Single Honours students will be required to complete four weeks of supervised fieldwork. This involves two weeks of residential archaeological training on our field school at the end of Year One and a further two week placement at the end of Year Two.



## Archaeology of Ancient Civilisations BA (Hons)

UCAS code: V401

Programme length: 3 years

Are you fascinated by the ancient civilisations of Egypt, the Mediterranean and the Near East? This degree offers the opportunity to study the archaeology, culture, society and history of the key civilisations of ancient Greece, Egypt, Rome and the Near East, combined with training in the latest archaeological techniques and methodology. In its range and depth this programme is unique in Britain. A rich variety of material – literary and documentary texts, painting and sculpture, complex archaeological sites – reveals a world of poets, historians, artists, politicians, emperors, priests, administrators, slaves, soldiers, aristocrats and ordinary men and women. It is a world of lasting cultural importance, and understanding the ambitions, beliefs and lives of its people enriches understanding of your own world and of what it is to be human. Teaching is hands-on: you might read texts directly from carved inscriptions or papyri, or handle artefacts in our Garstang Museum, or help stage a theatrical production of a Greek tragedy.

Students will be required to complete four weeks of supervised fieldwork. This involves two weeks of residential archaeological training on our field school at the end of Year One and a further two week placement at the end of Year Two.



## Classics BA (Hons) 100 75

UCAS code: Q800

Programme length: 3 years

Classics is the degree for you if you want to study the Greeks and Romans and at the same time either continue with, or learn, the languages in which they thought and wrote. In the language modules, your language skills and literary awareness will be developed through encounters with a wide range of texts (in poetry and prose) from the Greco-Roman world. The rest of the degree allows you to study the society and culture of antiquity, including its literature, art, history and archaeology. If you have no previous experience of either Greek or Latin, the introductory level modules are designed to move you towards reading texts in their original languages as swiftly as possible. The more advanced modules allow for in-depth study of a wide variety of particular authors. You will have the advantage of expert tuition, often in very small groups, and the opportunity to develop specialist interests.

## Classics Joint 50

This pathway covers the learning of both Latin and Greek and reading texts in the original language. The programme extends from beginners level in both languages to advanced level, and you will be put into the programme at the stage that fits with any previous experience you have had.

## Classical Studies BA (Hons) 100 75

UCAS code: Q810

Programme length: 3 years

Classical Studies allows you to study the society and culture of antiquity, including its art, religion, history, and archaeology. You will study their literary and visual cultures against the backdrop of the history of the period. You will also have the opportunity, if you so choose, to study Greek and/or Latin from beginners to advanced levels.

## Classical Studies Joint <sup>50</sup>

In this programme you can combine Classical Studies equally with another subject. The focus of the Classical Studies programme is the societies and cultures of Ancient Greece and Rome. You will study their literary and visual cultures (including their art and architecture) against the backdrop of the history of the period. The programme of study also gives you the skills in reading and analysing the surviving (and sometimes conflicting) evidence that will allow you to reach and present your own judgements convincingly.

## Classical Studies Minor <sup>25</sup>

In this programme you can combine your Major programme with an overview of Classical Studies. The programme focuses on key literary genres and modes and how they relate to the societies that produced them. The programme of study also gives you the skills in reading and analysing the surviving (and sometimes conflicting) evidence that will allow you to reach and present your own judgements convincingly. Of the many modules on offer, you will be able to pick a pathway that is best suited to your specific interests.

## Ancient Greek Minor <sup>25</sup>

This Minor covers the learning of Ancient Greek and reading texts in the original language. The programme extends from beginners level, and you will be put into the programme at the stage that fits with any previous experience you have had. For example, if you have no previous experience of Greek you will go into Greek I; if you have an A level you will enter the programme at Greek III.

## Latin Minor <sup>25</sup>

This Minor covers the learning of Latin and reading texts in the original language. There are five levels of study in this programme from beginners level, and you will be put into the programme at the stage that fits with any previous experience you have had. For example, if you have no previous experience of Latin you will go into Latin I; if you have an A level you will enter the programme at Latin III.

## Egyptology BA (Hons) <sup>100 75</sup>

**UCAS code: V410**

**Programme length: 3 years**

This programme allows you to immerse yourself in Ancient Egypt. Modules include archaeology, culture, society, history, and language. You will acquire the skills and knowledge needed to understand the material culture and archaeology of Ancient Egypt, as well as a thorough understanding of its original writings and inscriptions from Ancient Egypt.

Single Honours (100%) students will be introduced both to the language (writing, grammar and texts) and the archaeology and history of Ancient Egypt, as well as to the fundamental methods of archaeology. You progress to study the language and texts of all periods (including Coptic), as well as Egyptian art, religion, history, and society.

Students following the Archaeology pathway will be required to complete four weeks of supervised fieldwork. This involves two weeks of residential archaeological training on our field school at the end of Year One (or a term-time Museum placement) and a further two week placement at the end of Year Two.

The Linguistic pathway requires students to complete two weeks of supervised fieldwork. This involves two weeks of residential archaeological training on our field school at the end of Year One (or a term-time Museum placement).



## Egyptology Joint <sup>50</sup>

This programme is designed to deliver a partial yet coherent programme in the discipline of Egyptology. You are able to divide your time equally between Egyptology and another subject. Egyptology, being the study of a specific human culture, shares approaches with many core subjects in the Faculty. As a result, 50% Egyptology would work particularly well with a large number of other programmes both ancient (Archaeology, Classics and Ancient History) and more modern (for example, English, Sociology, History, Languages or Politics). Within 50% Egyptology, you can even choose a pathway best suited to your particular interest:

- If you have always wanted to learn Hieroglyphs, you can take a text and language heavy pathway
- If you prefer to study ancient Egypt from a less linguistic perspective, the archaeology and material culture pathway is worth exploring
- However, at 50% we can also merge the two pathways into a language and archaeology 50% pathway if you would like to be exposed to both.

All Joint Honours programmes with Egyptology requires students to complete two weeks of residential archaeological training on our field school at the end of Year One, or a term-time museum placement.

## Egyptology Minor <sup>25</sup>

Taking Egyptology as a Minor allows you to incorporate the study of Ancient Egypt into your Major degree. This Egyptology programme provides detail on many aspects of the Ancient Egyptian culture and would therefore provide you with unique case-studies with which to augment your other subject area. Areas of overlap include not only other subjects in the ancient world (Archaeology, Classics and Ancient History), but many modern subjects with which Egyptology shares methodological approaches (for example, English, Sociology, History, Languages or Politics).

## Evolutionary Anthropology BSc (Hons) <sup>100</sup>

UCAS code: V4B1

Programme length: 3 years

What does it mean to be human? How did we become human? What is our place and potential in the world? This multidisciplinary programme unique to Liverpool is based on the study of three major areas of evolutionary anthropology – the archaeology of human evolution, paleoanthropology, and primatology. It allows you to follow a pathway comprising all three elements or, if you wish, to focus on two areas and add modules in other relevant areas such as Biology, Psychology, and Earth Sciences.

Students will be required to complete four weeks of supervised fieldwork. This involves two weeks of residential archaeological training on our field school at the end of Year One and a further two week placement at the end of Year Two.

## Evolutionary Anthropology Minor <sup>25</sup>

The aim of Evolutionary Anthropology at 25% is to provide you with an opportunity to participate in our unique, fully interdisciplinary programme, based on the study of three major areas of evolutionary anthropology – the archaeology of human evolution, paleoanthropology, and primatology.

## Heritage Studies Minor <sup>25</sup>

Heritage Studies considers how we deal with the past in the present. This can involve our physical heritage assets, whether in museums or heritage centres. This Heritage Minor will provide you with a framework through which you can engage with conceptual, political, ethical and practical aspects of heritage.



# Architecture

Build your Architecture career on firm foundations by choosing to study at the world's oldest RIBA accredited school. We are driven by the pursuit of design excellence for the 21st century, inspired by the creativity of the city we call home and founded on providing the solid practical skills you will need in practice.

RIBA    
Architects Registration Board

*Liverpool offers a fantastic studio culture, it seems to be unlike any other school, everybody is really friendly and it just has a great vibe. The quality of teaching at Liverpool is fantastic, the tutors are helpful and supportive and many of the people you learn from are industry professionals. The School also hosts a variety of guest lectures that really help inform the decisions you make in the studio.*

**Kurtis Gentry**  
 Architecture BA (Hons)

## Good to know

### 130

Year One undergraduates in 2015

### 9th

in the UK for 4\* and 3\* research (REF 2014)

### 91%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)

### TOP 10

Complete University Guide



Offers study abroad opportunities



Offers a Year in China





# Why choose Architecture at Liverpool?

## Choose a university which is at the vanguard of Architecture education

We are the oldest university School of Architecture; the first in the world to have Royal Institute of British Architects (RIBA) accredited programmes, gaining accreditation in 1906. We were therefore responsible for setting the standard for architectural education and have maintained it ever since. As part of the original 'redbrick' university, we are founded on the integration of original research and high-quality teaching and we are ranked in the top 10 in the UK for research excellence (Research Excellence Framework, REF 2014). Our alumni include Sir James Stirling, after whom the RIBA Stirling Prize was named.

## Be inspired in a dynamic city setting

Our location in the heart of the world heritage port city of Liverpool means we respond to its outward-looking international focus. With its impressive architectural heritage and award winning contemporary architecture – including the 2014 Stirling prize winning Everyman Theatre – Liverpool provides an excellent backdrop to our focus in both research and teaching on the design of cities and the urban situation.

## Support your creativity with solid practical skills

We understand art and technology as complementary aspects of the study and creation of architecture and focus on creating architecture graduates who balance imagination and creativity with real-world knowledge and skills. All teaching staff are actively involved in professional consultancy and academic research which means that all our students benefit from their extensive range of knowledge.

## Allow your creativity to flourish

Our teaching staff are internationally known in their fields, and dedicated to getting the best out of each and every student. We don't have a "house style", so you will be encouraged to develop your own approach. This is put into practice in your final year project, where you will be able to choose from a variety of design briefs.

## Thrive in our studio environment

Students work in one of the most visually exciting architectural studios in the UK. The RIBA award-winning space stimulates creativity and reflects the working environment of architects in practice. Whether you are interested in design, built form, the construction process or urban regeneration, you will gain the unique skills here that you will need to work in the local, regional and international communities of the future.

## Study abroad

As part of your Architecture degree at Liverpool you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Students can currently apply to study abroad at the Bauhaus (Dessau), Germany; Technical University of Graz, Austria and the University of Arizona, USA. Or you may choose to benefit from our research and teaching links with Xi'an Jiaotong-Liverpool University (XJTLU). This link offers Architecture students at Liverpool a distinctive study abroad opportunity. More new links are also currently being explored. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Architecture, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

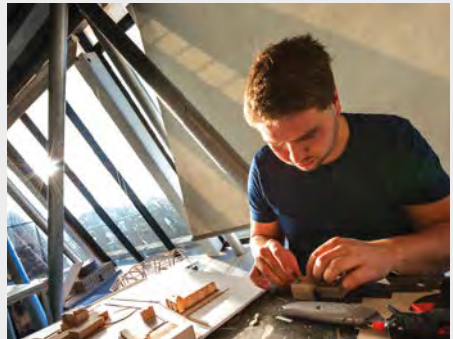
Architecture graduates can go into traditional practice or extend their skills in all other areas of the construction industry and elsewhere. Recent graduates work for major international architects, in publishing, the Arts Council and multidisciplinary think tanks. Pop music, games design and the fashion industry claim recent graduates too, as do other areas of the construction industry and property development.

## How you learn

The first year of the programme comprises of a series of interconnected modules, which are designed to lay the foundation for future years. The initial aim is to teach basic graphic communication and to give you the tools to develop your own design agenda. Year Two modules put increased emphasis on the context of architecture such as urban design, responsibility to society, and relationship with the construction industry. The final year of the programme provides an opportunity for you to demonstrate you have acquired the necessary knowledge and skill to embark on a professional career in architecture. Building on the expertise and understanding of the previous two years, the design modules allow you to develop the necessary skills to design medium and large-scale buildings with a high degree of complexity.

*Liverpool School of Architecture's strength is that it's deeply rooted in the city and is a fundamental part of a buzzing, collegiate campus. The School's stated aim of understanding global context and excellent local application has had a profound effect on the regeneration of the city and has helped position it as an international institution.*

**Alan Dunlop**  
RSA Royal Gold Medal for Architecture



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Architecture BA (Hons) K100</b> 3 years ①	AAA ②	36	DDD ③	72
<b>Architecture MArch</b> 2 years ④				72
<i>Degrees offered with other departments</i>				
<b>Architectural Engineering BEng (Hons) HK26</b> 3 years	See Engineering			133
<b>Architectural Engineering MEng (Hons) HK28</b> 4 years	See Engineering			133

We will consider students with lower qualifications subject to a strong application.

- ① Gives exemption from RIBA Part I exam.
- ② Typical offer AAA. We will consider applicants with lower grades, subject to a strong Portfolio submission or Selection Workshop Day attendance. There are no specific subject requirements.
- ③ DDD with 120 out of 180 credits at Distinction.
- ④ Apply directly to School. First degree 2.1 or above and RIBA Part I required.

## Architecture BA (Hons)

**UCAS code: K100**

Programme length: 3 years

Are you fascinated by the buildings and landscapes that make up the world around us? If you ask yourself why they are there, how they were created, and what the future might hold, then this is the programme for you. We encourage a creative and individual approach to the future, knowing that more career paths are opening up each moment, and knowing that understanding design is crucial to the 21st century. RIBA Part I is awarded on completion of the degree.

## Design Studies BA (Hons)

Students studying **K100** have the option to transfer to the Design Studies BA (Hons) programme in Year Two (please note: this programme is not RIBA accredited). Students will specialise in the analysis and evaluation of 'design' understood as a complex historical and contemporary concept related to practices in architecture, planning, product manufacture, and the visual arts.

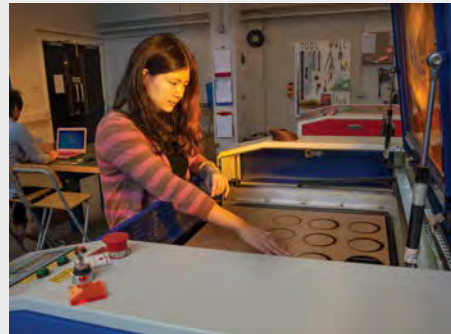
## Architecture MArch

**UCAS code: N/A**

Apply direct to School

Programme length: 2 years

The Master of Architecture programme is a professional qualification available to students with an appropriate first degree in architecture or a closely related subject. On successful completion, RIBA Part II is awarded to those students who already have RIBA Part I and these students become eligible to prepare for the RIBA Part III professional practice examination. Applicants should apply directly to the School. First degree 2.1 or above and RIBA Part I required.





# Chemistry

Chemistry graduates are at the heart of science, underpinning some of the world's most dynamic and exciting industries. Our academics are at the forefront of their discipline and we are ranked top in the UK for research excellence.



*My programme provides not only the basic academic knowledge, theory and experimental skills, but also a broader, overarching view of chemistry today, including looking at research trends, topics, and key skills for future careers. When I finish my undergraduate studies, I plan to continue onto a master's programme specifically relating to Medicinal Chemistry.*

**Tianyou He**  
Chemistry BSc (Hons)

## Good to know

### 156

Year One undergraduates in 2015

### 1st

in the UK for 4\* and 3\* research (REF 2014)

### 11th

in the UK – The Guardian University Guide 2016



Offers study abroad opportunities



Offers a Year in China





# Why choose Chemistry at Liverpool?

## Thrive in our outstanding undergraduate laboratories

Our £23 million Central Teaching Laboratories offer a unique environment for the study of Physical Sciences. Chemistry occupies the top floor, which houses Synthetic Chemistry and Physical Chemistry labs and capacity for 120 students at a time. These are fully stocked with new equipment for a wide range of experiments. This year we are also benefitting from a £68 million project in collaboration with Unilever and the Government to build the Materials Innovation Factory, a state-of-the-art Materials Chemistry research hub. As an undergraduate, this new facility will be accessible to you during your final year research project.

## Learn in a culture of research excellence

We are ranked top in the UK for our research and have world-leading groups in Materials Chemistry, Energy and Catalysis, Functional Interfaces, Medicinal and Bio-nano Chemistry and Theoretical and Computational Chemistry. We have increased our research in renewable energy and sustainable chemistry, appointing five new Chemistry academic staff in the new Stephenson Institute for Renewable Energy, which is reflected in a range of new Chemistry courses available to all our undergraduates. Our excellence in research strongly influences our teaching, and ensures that you are engaged in frontier science in optional modules and in project work.

## Gain professional accreditation

Our MChem programmes have Master Accreditation from the Royal Society of Chemistry (RSC), and our BSc programmes have Bachelor Accreditation ensuring your degree with us will set you on the pathway to a successful career.

## Benefit from flexible degree programmes

Choosing your degree path can be difficult and you may find that your interests develop in different ways once you are immersed in the subject. At Liverpool, you have the flexibility to change degree programmes once you are studying here (provided, of course, you meet the requirements of that programme). We also have optional Chemistry courses in every year of study, so you can tailor your general Chemistry degree to fit your interests and requirements. You may even wish to explore modules from other departments such as Life Sciences or Archaeology.

## Bring your learning to life through our Virtual Learning Environment

We integrate e-learning into teaching alongside traditional teaching methods. Our Virtual Learning Environment (VLE) supports all aspects of your studies, and is available via smartphone and tablet as well as PC, ensuring the resources you need are always at your fingertips. You'll find lecture notes and supporting material, recorded lectures, pre-laboratory information, problems and practice questions, assessed work, marking/feedback and vacation revision discussions on the VLE.

## Immerse yourself in the study of Chemistry through our exceptional resources

ChemTube3D ([www.chemtube3d.com](http://www.chemtube3d.com)) is our unique website housing interactive 3D animations covering some of the most important topics in an undergraduate chemistry degree. We use this extensively in lectures and for self-study, and the website attracts thousands of visitors every day. In addition, we provide all Chemistry students with enough books to cover the whole Chemistry programme in first and second year, along with all the necessary safety equipment, completely free of charge.

## Study abroad

Our students have the exciting and distinctive opportunity of studying abroad at partners in China, USA, Canada and Australia. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Chemistry, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Our graduates offer a wide range of skills including numeracy, problem solving and IT in addition to scientific skills.

Visits to the Department by leading companies such as GlaxoSmithKline and Unilever ensure that you make contact with prospective employers at key stages in your final year. Graduates find employment in many areas, from the pharmaceutical industry to business management. Typical careers of our graduates include assistant analyst, development chemist, research assistant and site chemist.

## How you learn

Laboratory classes in Years One and Two prepare you for independent laboratory work in Years Three and Four. In Year Three you will carry out mini research projects, while in Year Four you will carry out research alongside PhD and postdoctoral researchers on cutting-edge projects, often leading to a first scientific publication. Computational modelling and molecular visualisation are introduced as interactive animated models from Year One, reinforced as a key skill in Year Three of our BSc programme and by Year Four of MChem programmes you will be able to perform your own calculations to underpin final year research projects.

## Which degree

Our **MChem** programmes are aimed at students who want to pursue careers as professional scientists, and in all of these programmes half of the final year is devoted to an advanced research project.

Our **BSc** programmes offer more flexibility to choose optional modules from outside Chemistry. They are aimed at students who want a sound scientific education, but who intend to progress to specialist postgraduate master's (**MSc**) programmes or pursue careers other than scientific research.

All of our MChem and BSc programmes are accredited by the Royal Society of Chemistry. In addition to **F102 MChem Chemistry** and **F100 BSc Chemistry** we offer more specialised programmes:

- **F161 MChem Chemistry with Research in Industry:** students study all of the core MChem Chemistry modules in addition to spending Year Three as a paid employee working in a top industrial research laboratory in the UK or abroad. We also offer this as a BSc programme for students wanting the industrial experience, but not necessarily aiming for a career in research Chemistry
- **F1BF MChem Medicinal Chemistry with Pharmacology:** an ideal preparation for a career in pharmaceutical design and development. In addition to core Chemistry modules there are modules in Biomedical Sciences and Pharmacology. This option is also available as a three-year BSc programme.

## Work experience opportunities

Students who take up the paid year in industrial research find it provides an excellent foundation for the final year at university and subsequent employment or postgraduate research. There are also opportunities for summer employment in the Department.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Chemistry MChem F102</b> 4 years	AAB	35	Not accepted ①	78
<b>Chemistry BSc (Hons) F100</b> 3 years	ABB	33	D*DD in relevant diploma ②	78
<b>Chemistry with Research in Industry MChem F161</b> 4 years	AAB	35	Not accepted ③	79
<b>Chemistry with a Year in Industry BSc (Hons) F111</b> 4 years	ABB	33	D*DD in relevant diploma ②	79
<b>Medicinal Chemistry with Pharmacology MChem F1BF</b> 4 years	AAB	35	Not accepted ④	79
<b>Medicinal Chemistry BSc (Hons) F1B2</b> 3 years	ABB	33	D*DD in relevant diploma ②	79
<b>Chemical Sciences BSc (Hons) (4 year route including a Foundation Year at Carmel College) F108 4 (1+3) years</b>	⑤			79
<i>Degrees offered with other departments</i>				
<b>Ocean Sciences (Chemistry Pathway) BSc (Hons) F700</b> 3 years	See Ocean Sciences			243
<b>Ocean Sciences (Chemistry Pathway) MOSci F710</b> 4 years	See Ocean Sciences			243

All programmes in this Department require two sciences at A level, including Chemistry.

- ① Applicants should apply for **F100**.
- ② Students will be invited to attend interview and take an assessment.
- ③ Applicants should apply for **F111**.
- ④ Applicants should apply for **F1B2**.
- ⑤ Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

## Chemistry MChem

UCAS code: **F102**

Programme length: 4 years

This degree is aimed at students who intend to be a professional chemist and pursue a high-level research career. The final year brings you to the frontiers of the subject when you will join the research team of a member of staff, in a subject area of your choice.

## Chemistry BSc (Hons)

UCAS code: **F100**

Programme length: 3 years

This programme is a good platform for you if you want to pursue careers within or outside Chemistry, or if you wish to take further postgraduate training in, for example, education or in a specialised master's programme (the Department currently offers the Advanced Chemical Sciences MSc Programme) before going on to a research career. You will get a solid grounding in all aspects of Chemistry, and can choose to combine this with some nonchemical options to broaden your education.

## Chemistry with Research in Industry MChem

UCAS code: F161

Programme length: 4 years

This programme is targeted at our very best students, combining a complete MChem programme with a year of paid industrial research experience – an ideal combination if you wish to become a professional chemist and pursue a high-level research career in Chemistry after graduation. The benefits of a one-year industrial placement are immense. You not only gain in terms of your practical and intellectual skills, but return with a more objective attitude towards work for your final year. It is no accident that final degree performances are enhanced by a year in industry. In today's competitive job market, prior industrial experience is highly sought-after by employers.

## Chemistry with a Year in Industry BSc (Hons)

UCAS code: F111

Programme length: 4 years

This programme gives you the same academic training and broad range of options as Chemistry BSc (F100) students, with the added bonus of a year's paid work experience in an industrial setting. During this time, you work as part of a team on a cutting-edge project and write a report on the work you have carried out.

## Medicinal Chemistry with Pharmacology MChem

UCAS code: F1BF

Programme length: 4 years

Those who wish to become professional scientists and pursue a high-level research career in either Medicinal or Pharmaceutical Chemistry after graduation should consider this MChem programme. This four-year course aims to provide you with a broad and detailed coverage of every aspect of Advanced Medicinal Chemistry and Pharmacology. On completion you will be ready to embark on a PhD in either Chemistry or Pharmacology or on a career in the pharmaceutical industry.

## Medicinal Chemistry BSc (Hons)

UCAS code: F1B2

Programme length: 3 years

This programme is a good platform for you if you want to pursue a career either within or outside Chemistry or Pharmacology, or if you wish to take further postgraduate training after your degree. For example, you may wish to become a teacher and continue with education or take a specialised master's programme (the Department currently offers the Advanced Chemical Sciences MSc programme) before going on to a research career. You will get a solid grounding in all aspects of Chemistry combined with an introduction to Pharmacology.

## Chemical Sciences BSc (Hons) (4 year route including a Foundation Year at Carmel College)

UCAS code: F108

Programme length: 4 (1+3) years

This is the ideal option if you think you want to start studying Chemistry at a lower level than the three-year BSc (Hons) Chemistry programme and are uncertain of an area of specialism.



# Communication and Media

From political campaigns to celebrity scandals, from how we communicate with each other to how we spend our leisure time, the media is at the centre of our daily experiences and our understanding of the world. Liverpool's flexible Communication and Media programmes address a wide range of questions about the modern media industry, news, communication and social interaction in a lively and creative environment which embraces innovation and change.

*My programme allows you to connect to several fields at once, the communities of students you engage with is always changing; I like the range of perspectives you get via this connection, it means everyone approaches their studies from a different angle and brings something new to the table, every time.*

**Emily Rose Clark**  
Communication, Media and Popular Music BA (Hons)

## Good to know

### 77

Year One undergraduates in 2015

### 92%

are satisfied overall with their programme (NSS 2015)

### 87%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose Communication and Media at Liverpool?

## Immerse yourself in a city known as a political and creative force

What better place to immerse yourself in the subject than Liverpool, a city with a reputation as a political and creative force, with a thriving production sector and a unique cultural heritage? The Department has close links to cultural industries and venues in the city, some of which collaborate with us in offering assessed work placements as part of our programme of study.

## Explore the synergies between subjects through Honours Select

Communication and Media is an interdisciplinary field of study which straddles the arts and social sciences. There are few subject areas nowadays where issues of media and communication do not play an important part. As such, our programmes are particularly suitable to take alongside other subjects and some fascinating synergies emerge with the wide range of choices available through the Honours Select programme.

## Learn from staff who are shaping national and international debates

All staff are actively researching and publishing in their fields, with national and international reputations, and this informs much of their undergraduate teaching.

## Be part of our supportive community

We are a small, friendly Department with a national and international focus, but personal interaction with students is at the heart of what we do. We seek to be approachable and responsive, with learning support, extensive feedback and pastoral care built in to all of our work with students. So we design our programmes to give you plenty of opportunities to choose topics that will help you to develop specialist interests and advance your career prospects. This is reflected in our consistently excellent student satisfaction results in the National Student Survey (NSS).

## Gain the skills employers look for

A degree in Communication and Media will give you indispensable skills. Employers put a high value on graduates who have a broad commercial and cultural understanding of the media and creative industries; who can critically analyse a variety of texts; and who can show initiative and diligence in conducting independent research. In Year Three we offer students the chance to gain invaluable experience through our work experience and study abroad opportunities.

Besides taking our dedicated work experience module, many Communication and Media students are involved in activities within the University, such as writing for and managing the online student newspaper and working at LSRadio, the local student radio station, whilst others choose to work locally with the support of our award-winning careers service. All these options develop skills which give our students the confidence to impress employers in the media sector and elsewhere.

## Study abroad

As part of your Communication and Media degree at Liverpool you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Communication and Media students currently have opportunities to study abroad at universities in Australia, Hong Kong, the US, Canada and the Netherlands. For more information visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments including Communication and Media, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Our graduates have gone on to careers including broadcasting, journalism, social media, advertising and marketing, corporate communications and public relations, arts administration, political campaigning (including political parties, trade unions and charities), management, government, and the civil service, as well as teaching in universities, colleges and schools.

Former graduates include a television documentary maker, a BBC Radio 1 DJ, senior journalists at local and national newspapers, a partner in a New York-based advertising company and the features editor of a music weekly.

## How you learn

Weekly lectures and seminar discussions may be supplemented by screening sessions, presentations and opportunities for group work where appropriate. We regularly invite expert speakers and practitioners to speak to our students about their work. Some modules also make use of our Mac suite. Dissertation and work placement modules involve more independent study, but always under the careful individual supervision of a member of academic staff.

All students in Communication and Media will receive teaching in study skills as part of their core first year programme, with sessions including information literacy, essay writing, assessment and feedback, referencing, and degree progress. Types of assessment vary widely from module to module, but we are committed to using a range of different forms of assessment. These include coursework projects, essays, blogs, reports, literature reviews, presentations, online tests and unseen examinations.

## Honours Select

Communication and Media is exceptionally well-suited as a partner for other subjects. Whichever subject you plan to study, it is likely that you will be more attractive to employers if you can also show an understanding of the media, and you are sure to find something within Communication and Media that is relevant to your subject. As a department, we have run joint degrees in combination with other subjects for many years, so we have plenty of experience with students studying two complementary subjects.

Our English and Communication Studies 50:50 degree (**QP39**) has run for over 25 years, attracting many talented and memorable graduates who have thrived on the creative synergies between these subjects. It remains our most popular Honours Select combination.

Communication, Media and Popular Music (**WN23**) has been offered as a 50:50 degree for 15 years and was, for a long time, the only joint honours degree of its kind in the world. It particularly attracts students interested in music broadcasting and music journalism and has an exceptional record in placing graduates in those industries – from MTV through music radio to online music journalism.

Other subjects which combine particularly well with Communication and Media include:

- Film Studies
- Business
- Politics
- Sociology



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Communication and Media BA (Hons) P900</b> <span>100</span> <span>75</span> <span>50</span> <span>25</span>	ABB	33	Applications considered <sup>①</sup>	84

<sup>①</sup> BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.

## Communication and Media BA (Hons) 100

UCAS code: P900

Programme length: 3 years

Communication and Media offers you the opportunity to study the ways in which communication systems are shaping and changing modern life worldwide. You will be exploring a wide range of media forms including news, cinema, broadcasting and the internet and the ways in which they interact with society. You can choose your own selection of modules in Years Two and Three, so there are opportunities to specialise in particular areas of interest such as political communication, screen media, digital cultures and language. With an emphasis on developing your personal communication skills and the opportunity to undertake an assessed work placement as part of your programme, you will be well placed to gain employment in an increasingly competitive job market.



## Communication and Media Major 75

Given the interdisciplinary nature of our Communication and Media programme, it is not difficult to find a Minor subject to complement it. For 75% students, Year One is designed to give you the opportunity to study the same foundation modules as in the 100% programme and to accompany this with modules in your Minor subject. All Communication and Media modules will be open to you in Years Two and Three to allow you to specialise and consider your own particular interests.

## Communication and Media Joint 50

Communication and Media is an interdisciplinary area of study so it makes an excellent partner for 50:50 subject combinations with another subject of your choice. After all, media coverage represents the most important method for communicating key issues and developments in most subject areas to the wider world. There will be plenty of opportunities for crossover between your other subject and Communication and Media.

## Communication and Media Minor 25

Studying Communication and Media as a Minor enables you to complement your Major subject with studies grounded in the globally-important and fast-changing world of media and communication. Minor students are introduced to key ideas in Year One and can select modules in Years Two and Three which combine well with their Major subject.



Communication and Media [www.liverpool.ac.uk/communication-and-media](http://www.liverpool.ac.uk/communication-and-media)

# Computer Science

Computer Science is not just about programming or designing web pages. It is about understanding what is possible with computers and making it happen. The career possibilities for Computer Science graduates are excellent and at Liverpool we give you a thorough grounding in the theory and practice of computing so you can build a career in whatever field you choose.

*Having the ability to create and destroy so easily is unique to Computer Science. Software Development builds upon this and furthers your understanding and ability to build software. I like to think of it as my way of contributing back to the technology industry that I utilise so much. Since starting my programme here I've already been in contact with University of Liverpool alumni on LinkedIn about possible internships at Apple in the USA. However, I'm also looking at software engineering jobs in London. My dream companies to work for are Google, Apple or IBM.*

**Adam Jarvis**  
Software Development BSc (Hons)

## Good to know

### 198

Year One undergraduates in 2015

### 1st

in the UK for 4\* and 3\* research (REF 2014)

### 90%

of our students said staff are good at explaining things (NSS 2015)

### 85%

of 2015 graduates are in a professional or managerial level job

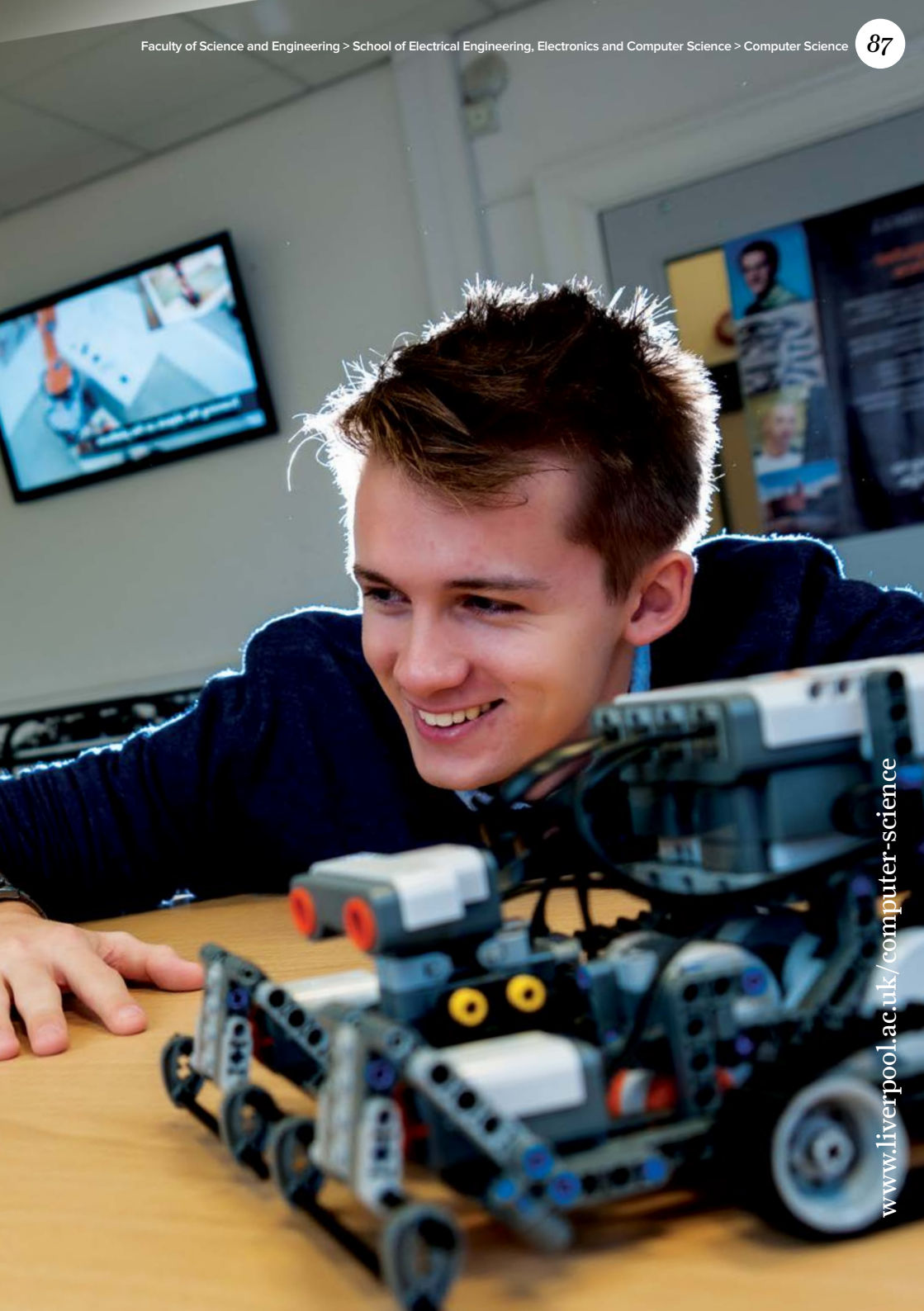


Offers study abroad opportunities



Offers a Year in China





# Why choose Computer Science at Liverpool?

## Find the right degree for you

Whether or not you have prior computing experience, we offer degrees that are balanced between commercial, scientific and theoretical topics to help you grow professionally. Our courses provide the foundations of Computer Science and develop your knowledge, practical and employability skills through a range of topics from artificial intelligence, big data and game development to robotics and financial computing.

## Gain professional accreditation

Our Computer Science Single Honours BSc, MEng and MSc programmes are all accredited by the British Computer Society and so open up a wide variety of career opportunities with excellent employment prospects.

## Put your learning into practice through industry experience

We offer a wide range of undergraduate programmes that allow you to gain in-depth experience of the application of computing in the real world by spending a year in industry. There are also many opportunities to widen your career prospects through Honours year industry-based projects, paid summer internships and University-supported work placements outside study time. This is against the background of Liverpool's substantial and growing ICT industry, with 700 related companies on Merseyside offering a wealth of employment opportunities on your doorstep. Through our programmes you can take part in the Microsoft IT-Academy Programme and qualify for Microsoft certification in Network and IT Systems Administration, Software Development, or Database Administration.

## Realise what is possible with Computer Science

Research is key to what we do, we are ranked first in the UK for research excellence at 4\* and 3\*. Research is supported by a mixture of European, national and industrial funding, providing a balanced portfolio of activity that feeds back into teaching. This helps ensure our programmes go beyond the practical application of the subject to inspire you about the possibilities of Computer Science.

## Benefit from our excellent facilities

Our Grade II listed building combines state-of-the-art PC and Mac laboratories running a variety of different operating systems, as well as iOS and Android tablets to encourage creativity and innovation within a stimulating environment in which to work and study. For those interested in autonomous and robotic systems, we also have dedicated labs where students can build and test their own Lego mindstorms robots.

## Study abroad

Computer Science students can study abroad at partner universities in the USA and Canada. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Computer Science, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Internationally, computer scientists are in the highest-earning category of graduates. Many go straight into well-paid careers such as; computer programmer; software developer; systems analyst; software engineer; technical consultant and web designer. Some reach senior management and directorial positions, as in the case of a former student who became game development manager for one of the largest games producers in the UK.

Our degrees have excellent career prospects: over 90% of graduates go onto graduate level jobs. Graduate employers include Siemens, BAE Systems, BT, Unilever, Royal Bank of Scotland and Guardian Media Group.

## How you learn

Teaching is by a mix of formal lectures, small group tutorials and supervised laboratory-based practical sessions. Students also undertake individual and group projects. Key problem solving skills and employability skills, like presentation and teamwork skills, are developed throughout the programme.



## Which degree

All our degrees are designed to turnout professionals with a comprehensive understanding of contemporary computing. Programmes such as **Computer Science BSc (Hons)**, **Artificial Intelligence BSc (Hons)**, **Mathematics and Computer Science BSc (Hons)** are designed for those with a strong technical and scientific background who wish to gain an understanding of both the theory and the practice of computer science. **Computer Information Systems BSc (Hons)**, **Software Development BSc (Hons)**, **Internet Computing BSc (Hons)** and **Electronic Commerce Computing BSc (Hons)** are designed for those with a less scientific background who are more interested in the practice of computing. **Computer Science MEng (Hons)** is ideal for those students who wish to incorporate a stronger element of research into their undergraduate studies. **Financial Computing BSc (Hons)**, in conjunction with the Management School, provides students with knowledge and skills in aspects of financial services from understanding and creating algorithms; financial accounting; designing, implementing and evaluating software systems to analysing stock portfolios; and operating financial markets.

## Work experience opportunities

Our programmes with a 'Year in Industry' offer you the opportunity to strengthen employment prospects by putting your computing skills into practice in the workplace. In addition, you may also have the opportunity to work with a commercial partner as part of your final year project, allowing you to gain valuable experience for when you graduate.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Artificial Intelligence BSc (Hons) G700 3 years</b>	AAB	35	D*DD in relevant diploma ①	91
<b>Artificial Intelligence with a Year in Industry BSc (Hons) G701 4 years</b>	AAB	35	D*DD in relevant diploma ①	91
<b>Computer Information Systems BSc (Hons) G500 3 years</b>	AAB	35	D*DD in relevant diploma	91
<b>Computer Information Systems with a Year in Industry BSc (Hons) G502 4 years</b>	AAB	35	D*DD in relevant diploma	91
<b>Computer Information Systems BSc (Hons) (Foundation) ② (4 year route with Carmel College) G521 4 (1+3) years</b>				92
<b>Computer Science BSc (Hons) G400 3 years</b>	AAB	35	D*DD in relevant diploma ①	92
<b>Computer Science with a Year in Industry BSc (Hons) G403 4 years</b>	AAB	35	D*DD in relevant diploma ①	92
<b>Computer Science MEng (Hons) G401 4 years</b>	AAB	35	D*DD in relevant diploma ①	92
<b>Computer Science BSc (Hons) (Foundation) ② (4 year route with Carmel College) G408 4 (1+3) years</b>				92
<b>Computing with a Year in Industry BSc (Hons) G402 4 years</b>	AAB	35	D*DD in relevant diploma	93
<b>Electronic Commerce Computing BSc (Hons) G490 3 years</b>	AAB	35	D*DD in relevant diploma	93
<b>Electronic Commerce Computing with a Year in Industry BSc (Hons) G491 4 years</b>	AAB	35	D*DD in relevant diploma	93
<b>Financial Computing BSc (Hons) GN34 3 years</b>	AAB	35	D*DD in relevant diploma ①	93
<b>Financial Computing with a Year in Industry BSc (Hons) G3N4 4 years</b>	AAB	35	D*DD in relevant diploma ①	93
<b>Internet Computing BSc (Hons) G501 3 years</b>	AAB	35	D*DD in relevant diploma	94
<b>Internet Computing with a Year in Industry BSc (Hons) G503 4 years</b>	AAB	35	D*DD in relevant diploma	94
<b>Mathematics and Computer Science BSc (Hons) GG14 3 years</b>	ABB	33	D*DD in relevant diploma ③	94
<b>Mathematics and Computer Science with a Year in Industry BSc (Hons) GG16 4 years</b>	ABB	33	D*DD in relevant diploma ③	94
<b>Software Development BSc (Hons) G610 3 years</b>	AAB	35	D*DD in relevant diploma	94
<b>Software Development with a Year in Industry BSc (Hons) G611 4 years</b>	AAB	35	D*DD in relevant diploma	94

# Degrees *Continued*

	Typical Offer			Page
	A level	IB	BTEC	
<i>Degrees offered with other departments</i>				
<b>Computer Science and Electronic Engineering BEng (Hons) HH66 3 years</b>			See Electrical Engineering and Electronics	122
<b>Computer Science and Electronic Engineering with a Year in Industry BEng (Hons) HG6L 4 years</b>			See Electrical Engineering and Electronics	122
<b>Computer Science and Electronic Engineering MEng (Hons) GHK6 4 years</b>			See Electrical Engineering and Electronics	122

For programmes in this Department the inclusion of mathematical subjects at A level (Mathematics, Further Mathematics, Pure Mathematics, Computer Science, Computing and Physics) may lead to lower offers. For **G400**, **G401**, **G403**, **G700**, **G701**, **GN34**, and **G3N4**, a mathematical subject is preferred. Grade A in Mathematics A level is required for **GG14** and **GG16**. **GN34** and **G3N4** require grade B in AS level Mathematics. The entry requirements shown are a guide only. See [www.liverpool.ac.uk/computer-science/undergraduate/programmes](http://www.liverpool.ac.uk/computer-science/undergraduate/programmes) for specific requirements.

- ① A mathematical subject at AS level with grade B also required.
- ② Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk).
- ③ Mathematics A level at grade A also required.

## Artificial Intelligence BSc (Hons)

UCAS code: **G700**

Programme length: 3 years

## Artificial Intelligence with a Year in Industry BSc (Hons)

UCAS code: **G701**

Programme length: 4 years

Artificial Intelligence is a subject that has fired the imaginations of many. It is one of the most important and exciting sub-fields of Computer Science. This specialist programme covers the fundamentals of Computer Science and Computer Information Systems so as to maximise your future employment opportunities. It also offers the chance to carry out cutting-edge research in this high profile area.

On **G701** you spend Year Three on a real industrial placement acquiring experience and awareness of practical business and industrial environments.

## Computer Information Systems BSc (Hons)

UCAS code: **G500**

Programme length: 3 years

## Computer Information Systems with a Year in Industry BSc (Hons)

UCAS code: **G502**

Programme length: 4 years

Whereas the aim of the Computer Science degree is to introduce you to the underlying principles and theory of computing, the Computer Information Systems degree is more about the practice of computing. It is suitable if you wish to gain a deeper understanding of how to build large-scale information systems.

On **G502** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.



### **Computer Information Systems BSc (Hons) (Foundation) (4 year route with Carmel College)**

**UCAS code: G521**

**Programme length: 4 (1+3) years**

---

This programme provides a four-year route into a Computer Information Systems BSc (Hons) degree. You may find it suitable if you are interested in Computer Information Systems but your qualifications are below the level we usually require. You will spend your first year based at Carmel College in St Helens, about nine miles from the main University campus.

The college offers small class sizes and high standards of academic achievement.

### **Computer Science BSc (Hons)**

**UCAS code: G400**

**Programme length: 3 years**

---

### **Computer Science with a Year in Industry BSc (Hons)**

**UCAS code: G403**

**Programme length: 4 years**

---

There is more to Computer Science than programming and creating web pages. This programme covers all aspects of Computer Science including the underlying principles and theory. On graduation, you will be well placed to know what is and isn't possible with computers and to find solutions to the problems you will encounter in your professional life.

On **G403** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.

### **Computer Science MEng (Hons)**

**UCAS code: G401**

**Programme length: 4 years**

---

The MEng programme aims to develop graduates who will be competent in the fundamentals of Computer Science and will have specialised in a number of current areas of research interest. You will graduate with wider transferable skills and be able to meet the needs of a wide spectrum of employers within the IT industry.

Building on our Computer Science BSc programme, you will develop a good 'all-round' understanding of the academic discipline of Computer Science and as the programme progresses you will be able to specialise in particular areas. In Year Four you will develop a much deeper and systematic specialisation in a number of selected topics at the forefront of current research. You will also gain a comprehensive understanding of how research is used to further knowledge in Computer Science and how that knowledge may be applied.

### **Computer Science BSc (Hons) (Foundation) (4 year route with Carmel College)**

**UCAS code: G408**

**Programme length: 4 (1+3) years**

---

This programme provides a four-year route into the Computer Science BSc (Hons) degree. You will spend your first year at Carmel College in St Helens, about nine miles from the main University campus. The college offers small class sizes and high standards of academic achievement.

## Computing with a Year in Industry BSc (Hons)

UCAS code: G402

Programme length: 4 years

The development of efficient, robust and correct software is often complex, time consuming and expensive. Such software systems are increasingly essential to the effective operation of many businesses and organisations. Consequently there is a serious need for graduates who not only have relevant technical expertise in software development but also are aware of the issues arising in the practical business and industrial environments within which such expertise will be employed. This degree addresses both the requirement to provide a core technical skill base and to equip its graduates with an appreciation of how such skills will be used in practical commercial settings.

## Electronic Commerce Computing BSc (Hons)

UCAS code: G490

Programme length: 3 years

## Electronic Commerce Computing with a Year in Industry BSc (Hons)

UCAS code: G491

Programme length: 4 years

Electronic Commerce (e-Commerce) is a growing industry and there is a shortage of graduates with both the necessary computer skills and knowledge of how business and commerce operate. This programme addresses the gap in the market. It provides you with the necessary knowledge and abilities to build e-Commerce applications, and also gives you an appropriate appreciation of business environments and operations.

On **G491** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.

## Financial Computing BSc (Hons)

UCAS code: GN34

Programme length: 3 years

## Financial Computing with a Year in Industry BSc (Hons)

UCAS code: G3N4

Programme length: 4 years

This programme is taught by the Department of Computer Science in conjunction with the University of Liverpool Management School.

Financial Computing is at the very heart of the world's global financial centres, from Wall Street to Chicago, London to Tokyo. It is a growing industry and is at the forefront of all modern financial strategies and operations, bringing together finance, economics and computing. It encompasses financial services and markets using electronic communication and computation.

This dynamic programme in Financial Computing will develop your knowledge and skills in aspects of financial services from understanding and creating algorithms; financial accounting; designing, implementing and evaluating software systems to analysing stock portfolios and operating financial markets.

On **G3N4** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.



## Internet Computing BSc (Hons)

UCAS code: G501

Programme length: 3 years

## Internet Computing with a Year in Industry BSc (Hons)

UCAS code: G503

Programme length: 4 years

Demand for graduates with internet-related skills continues to expand. This programme addresses the current skills shortage. You will be given the knowledge of internet principles that employers want, whilst at the same time studying a branch of computer science that is pushing the boundaries of technology. On **G503** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.

## Mathematics and Computer Science BSc (Hons)

UCAS code: GG14

Programme length: 3 years

## Mathematics and Computer Science with a Year in Industry BSc (Hons)

UCAS code: GG16

Programme length: 4 years

Both Mathematicians and Computer Scientists are in very high demand. Why not consider combining the two by taking our joint honours programme **GG14**? You have a wide choice of modules in Years Two and Three, including taking a larger percentage in one of the subjects.

This programme is suitable for you if you wish to divide your studies more or less equally between Mathematics and Computer Science. You will study modules from the programmes offered for the degrees in Mathematics (**G100**) and Computer Science (**G400**).

On **GG16** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.

## Software Development BSc (Hons)

UCAS code: G610

Programme length: 3 years

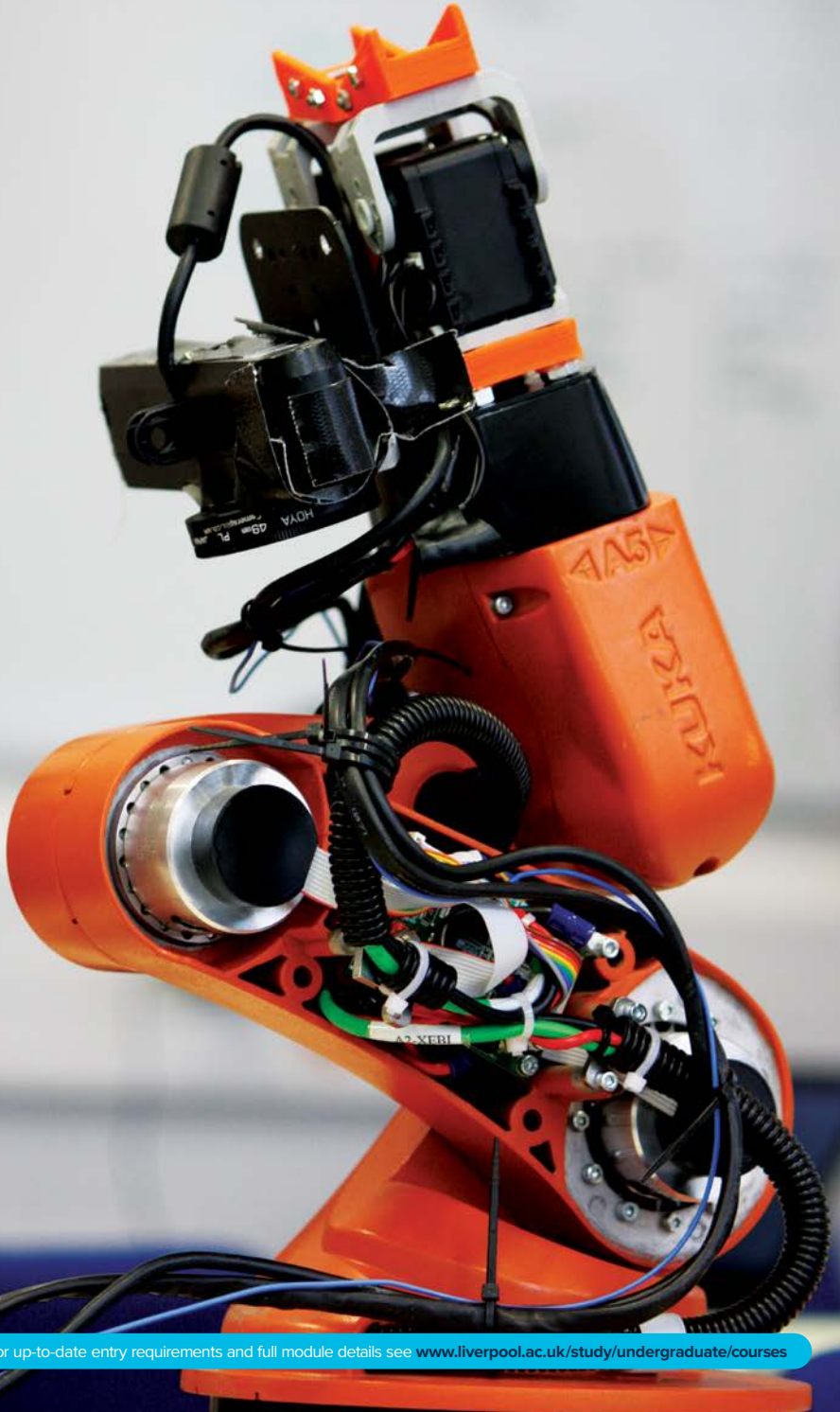
## Software Development with a Year in Industry BSc (Hons)

UCAS code: G611

Programme length: 4 years

Information Technology continues to spread rapidly throughout most areas of society. Within this the development, updating and widespread application of complex software is the most time-consuming, difficult and expensive aspect. It is widely acknowledged that developing efficient, robust and correct software is inherently complex, and thus there is a requirement for professional software developers. This programme seeks to address this requirement. You will study the fundamental principles of Software Development and learn to tackle professional and practical issues as well as enhance your employment opportunities. On **G611** you spend a year on a real industrial placement acquiring experience and awareness of practical business and industrial environments.





# Dentistry

At Liverpool we'll train you to be a working dental professional. Your learning will always benefit from being in context and applied. With 160 clinical dental chairs and a busy dental hospital on-site, we can offer you first-rate clinical training, complemented by innovative learning suites that feature interactive technology.

*The BDS at Liverpool follows a problem-based learning syllabus whereby you are given scenarios and expected to go and conduct independent research based on these. This independent study is supported by lectures, plenaries and anatomy lessons which ensure you get a full well-rounded understanding of the problems. Each year more elements or specialties are added to the teaching, which means by Year Five you will have a broad perspective and understanding about the profession and are well prepared to go out into the "real" world.*

Dapo Alagbe  
Dental Surgery BDS

## Good to know

**92**

Year One undergraduates in 2015

**99%**

are satisfied overall with their programme (NSS 2015)

**98.5%**

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)



# Why choose Dentistry at Liverpool?

## Enjoy tuition from senior practising clinicians

You'll be taught by our most experienced practising clinicians. They're part of the extensive support network you'll enjoy during your studies here. With the clinical experience on offer you can be confident you'll graduate as the complete dental professional.

## Benefit from supportive, research informed and innovative learning

Throughout our history we've been pioneers in the biology and practice of dentistry. We are based in the Faculty of Health and Life Sciences and the Faculty's research directly influences your teaching. We have a dynamic online assessment system that lets you plan your study, review your progress with lecturers, get feedback and log your own impressive e-portfolio of work. This gives you a real sense of responsibility for your personal learning and progress, and for the management of your patients' care, all vital skills for your career.

## Study in leading facilities

Your clinical training is complemented by learning suites that feature simulation and interactive technology. You'll have access to 160 clinical dental chairs, the busy dental hospital which manages over 60,000 patient attendances, and a £7 million research facility.

## Strengthen your career with hands-on experience

Your preventative-orientated programme is taught holistically and in the context of the primary care services. Our problem-based approach and excellent network of clinical placements mean that, alongside academic and professional skills, you will gain practical experience and apply your knowledge early in your studies, preparing you to become an excellent dentist from day one.

## Your future

There is a wide range of career opportunities within the profession. The majority of BDS graduates will choose general dental practice within the NHS and in the private sector, whilst others might choose one of the hospital specialities, the community dental service, university teaching, or the armed forces.

Around 80% will go into general dental practice, becoming partners or associates within the practice. Graduates in Dental Hygiene/Therapy find equally varied and rewarding careers as dental hygienists and therapists. The majority work in dental practice where they undertake an increasingly wide range of dental procedures.

## How you learn

For BDS students, the early years are predominantly student centred learning with problem-based learning (PBL), supported by lectures. Clinical training in subsequent years continues this method of learning and is supplemented by small group teaching and lectures throughout Years Two, Three, Four and Five. Much of the clinical experience is gained with students treating patients in the different clinics in the Dental Hospital under close supervision of the staff.

## Duty of care

The University has an obligation to undertake health screening of all prospective dental students. Any offer of a place is conditional on completion of a health questionnaire and a satisfactory assessment of fitness to train from the University's Occupational Health Service. This includes some obligatory immunisations and blood tests, in line with recommendations from the Department of Health. All students also need to undergo an enhanced DBS check before admittance to the programme.

# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Bachelor of Dental Surgery BDS A200 5 years</b>	AAA	36	Not accepted	100
<b>Bachelor of Dental Surgery BDS (Graduate Entry Pathway) A201 4 years</b>				100
<b>Combined Diploma in Dental Hygiene and Dental Therapy 27 months</b>				100
<b>Foundation to Health and Veterinary Studies (Year 0) OAAW 1 year</b>				100

All applicants for the **A200** programme should read the **Admissions document** at [www.liverpool.ac.uk/study/undergraduate/courses/dental-surgery-bds/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/dental-surgery-bds/overview/) prior to applying. For **A200**, A level Chemistry and Biology are required. The third subject may be anything from the arts or sciences, although General Studies, Critical Thinking, Citizenship Studies and applied A levels are not accepted.

Requirements in respect of GCSEs must also be met (see **Admissions document**). All **A200** and **A201** applicants must complete the UKCAT by the appropriate closing date for year of entry. Applicants to the graduate entry pathway (**A201**) must have been awarded a minimum 2.1 Honours Degree from an approved institution and be able to demonstrate that their first degree satisfies the Learning Outcomes of Year One BDS by completing the **Verification of Prior Learning form** at [www.liverpool.ac.uk/study/undergraduate/courses/dental-surgery-bds-graduate-entry/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/dental-surgery-bds-graduate-entry/overview/). Applicants must also fulfil A level and GCSE requirements. Further details are available in the **Admissions document** at [www.liverpool.ac.uk/study/undergraduate/courses/dental-surgery-bds-graduate-entry/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/dental-surgery-bds-graduate-entry/overview/)

Applicants to the Combined Diploma in Dental Hygiene/Dental Therapy should read the **Admissions Document** at [www.liverpool.ac.uk/study/undergraduate/courses/combined-diploma-in-dental-hygiene-therapy/](http://www.liverpool.ac.uk/study/undergraduate/courses/combined-diploma-in-dental-hygiene-therapy/) prior to applying. Applicants must fulfil the academic requirements at the time of applying. Offers are subject to interview.

Details about the Foundation to Health and Veterinary Studies (Dental Pathway) programme can be found at [www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/). Further information is available from the School of Health Sciences  
E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) T: +44 (0)151 794 9490



## **Dental Surgery BDS**

**UCAS code: A200**

Programme length: 5 years

---

Becoming a dentist is hard work, however, the rewards include job satisfaction through delivering a highly professional and personal, community-based job. On successful completion of the programme you'll be granted a Bachelor of Dental Surgery degree that is accredited by the General Dental Council.

## **Bachelor of Dental Surgery BDS (Graduate Entry Pathway)**

**UCAS code: A201**

Programme length: 4 years

---

Building on the graduate's prior knowledge in an extended Year One, the School fast-tracks graduates through the medical core of Years One and Two of the five-year programme. The programme develops such that the underlying biomedical sciences are integrated with an increasing proportion of clinical practice.

## **Combined Diploma in Dental Hygiene and Dental Therapy**

**UCAS code: Apply directly through the School of Dentistry**

Programme length: 27 months

---

The Combined Diploma in Dental Hygiene and Dental Therapy is a full-time modular programme which is studied over 27 calendar months, with students based at the Liverpool University Dental Hospital.

You will spend time in a clinical skills laboratory where you will gain experience on 'phantom heads' before progressing to treat patients, either in dental practices or in the Liverpool University Dental Hospital. The clinical training is integrated into and complements the taught modules of the programme.

## **Foundation to Health and Veterinary Studies (Year 0)**

**UCAS code (Dentistry Pathway): OAAW**

Programme length: 1 year

---

The University of Liverpool, in collaboration with local FE partners, has developed a Year Zero Foundation Programme for Home/EU students that leads to access onto a variety of vocational Health Studies programmes. Students wishing to study Dentistry follow a pathway that is offered at Carmel College, St Helens. Successful completion, to the specified standard, of this one year programme ensures automatic progression onto degree programmes at the University of Liverpool in Dentistry.

Please note: Students who have applied for undergraduate programmes in the School of Dentistry would not normally be considered for this route, which is specifically targeted at Home/EU adult learners with appropriate workplace experience or young people with vocational rather than A level qualifications. When applying, you must ensure that you apply for one programme that you wish to progress on to. Multiple applications will be rejected and result in disappointment. We will also not consider applications from applicants who have multiple UCAS applications for a variety of programmes, as this does not demonstrate a clear commitment.

For further information on how to apply to this programme please contact Sean Hollywood on T: +44 (0)151 794 9490 E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) or visit [www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/)





# Earth Sciences

Earth Sciences at Liverpool offers accredited degrees in Geology and Geophysics that are highly valued by employers and will prepare you for a rewarding future career. Our interdisciplinary programmes will enable you to keep your degree options open so that you can specialise in the area that interests you.



The  
Geological  
Society

accredited degree programme

**IOP**  
Institute of Physics

*I was surprised at how deep the subject actually goes. It's easy to say we just look at rocks but so much of society relies on the interpretation of geological processes, such as natural hazard management, natural resources and even planetary sciences. The Department also has close connections with industry so this has given me a broader understanding of the practical applications of the subject.*

Joshua Vaughan-Hammon  
Geology MSci (Hons)

## Good to know

### 102

Geology and Geophysics Year One undergraduates in 2015

### 12th

Guardian University League Tables 2016

### 93%

are satisfied overall with their programme (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

# Why choose Earth Sciences at Liverpool?

## Benefit from access to our world-class teaching facilities

Our award-winning, teaching laboratories are the most advanced in Europe and offer you an inspiring environment to learn in. You'll be taught to confidently use state-of-the-art research equipment.

## Have confidence for the future with our accredited degree programmes

Our degree programmes are accredited by professional bodies, demonstrating that you have gained the skills necessary for a professional career in your chosen field, and enabling you to become professionally chartered. Geology degrees are recognised by the Geological Society of London and Geophysics degrees are recognised by the Institute of Physics. You will build the skills necessary for many areas of employment from environmental protection and consultancy, planning and conservation, through to the petroleum, geotechnical and mineral extraction industries and careers in scientific research or academia.

## Keep your options open with our interdisciplinary programmes

Whichever programme you decide to study in Earth Sciences, we offer world-class experts in geology, geophysics, marine biology and oceanography giving you the opportunity to take optional modules in an unequalled variety of disciplines.

## Develop academically with support from our network of staff and access to research groups

You'll join a Department with an excellent reputation for both teaching and research, providing you with a stimulating environment in which to study. You'll be taught by research-active staff, at the forefront of their chosen fields and this research-led teaching ensures that you'll learn about cutting-edge science before it appears in textbooks. You'll also have the opportunity to undertake project work within the Department's research groups.

## Fulfil your potential in a supportive environment

Our excellent staff to student ratio means you will never be an anonymous student in an enormous class and you'll have the opportunity to get to know all staff in the Department. You will have fortnightly tutorials with a member of academic staff in Years One and Two, and you will be assigned a personal tutor, who can offer guidance and support throughout your time at the University. We also have a very active Earth Sciences student society 'The Herdman Society', which runs academic and social events from guest lectures and fieldtrips to Gala dinners, symposiums and sports events.

## Complement your studies with extensive fieldwork opportunities

Field classes are an important part of all our Earth Science degree programmes, allowing you to step out of the classroom and witness Earth processes first hand, in a variety of world-class locations. By the time you graduate our extensive field training will have equipped you with the specific practical skills necessary for a career in the Earth Sciences, and you will have developed transferable life-skills and independent thinking.

## Study abroad

We offer both Geology and Geophysics degree programmes with a year in North America. Students on the **F601**, **F641** and **FF68** programmes can apply to spend a semester at partner universities in Australia and New Zealand. Most of our field courses are based abroad and many students choose to carry out their independent project working abroad. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Earth, Ocean and Ecological Sciences, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

There has never been a better time to study Earth Sciences. Many of the fundamental questions of our times will be answered by geoscientists, as we seek to provide sustainable resources for the world's population, as well as predict and mitigate climate change and natural hazards by building a better understanding of the planet on which we live.

The majority of our recent graduates have gained employment within a degree-related field or continued within further education after graduation. We have close links with geoscience and environmental industries ensuring that our degrees properly equip you for future employment. The truly interdisciplinary nature of our degrees additionally makes graduates in the Earth Sciences highly sought after by other employment sectors.

## Work experience opportunities

Our students often successfully complete internships in industry during university vacations. Many of the academic staff in the Department have worked outside of academia and can provide support and guidance in finding a suitable placement.

## How you learn

Teaching takes place through lectures, practicals, workshops, seminars, tutorials and fieldwork, with an emphasis on learning through doing. The award-winning Central Teaching Laboratories, provide a state-of-the-art facility for undergraduate practical work. Students value the learning opportunities provided by field classes, including the rapid and detailed feedback on performance.

You will typically receive 15-20 hours of formal teaching each week, and complete between 50 and 100 days of residential fieldwork over the course of their programme. In Years Three and Four you will carry out independent research projects on a topic and location of your choice. All projects are supervised by a member of staff who will meet with you on a weekly or more frequent basis.

## Which degree

Our degrees are flexible allowing you to tailor the degree programme to follow your evolving scientific and employment interests. It is possible to change between a **BSc (Hons)** programme and an **MESci (Hons)** degree during your studies, and high achievers often opt to move onto our Integrated Masters programme.

**Geology:** Geology is the science of the Earth, including everything from the deep Earth interior through to the sediments on the Earth's surface. It is a truly interdisciplinary subject, encompassing many aspects of Physics, Chemistry, Biology and Maths, making it very appealing to employers in all industry sectors.

**Geology and Physical Geography:** Our Geology and Physical Geography degrees offer a unique and truly integrated programme, which has been carefully designed to provide training in both Earth surface processes and geology, drawing on the complementary expertise of academic staff in both subjects.

**Geophysics:** Geophysics investigates the fundamental structure and evolution of our planet. It involves the application of physical principles to the study of the Earth, and increasingly, the other planets. We are unusual in the range of geophysics degrees we offer.

## Accreditation

All our degrees are accredited by the Geological Society of London, or for Geophysics (Physics) by the Institute of Physics.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Geology BSc (Hons) F600 3 years</b>	ABB ①	33	D*DD in relevant diploma	107
<b>Geology MEdSci (Hons) F601 4 years</b>	AAB ②	35	Not accepted ③	107
<b>Geology (North America) MEdSci (Hons) F603 4 years</b>	AAB ②	35	Not accepted ③	107
<b>Geology and Geophysics MEdSci (Hons) F641 4 years</b>	AAB ②	35	Not accepted ④	107
<b>Geology and Physical Geography BSc (Hons) F6F8 3 years</b>	ABB ①	33	D*DD in relevant diploma	108
<b>Geology and Physical Geography MEdSci (Hons) FF68 4 years</b>	AAB ②	35	Not accepted ⑤	108
<b>Geophysics (Geology) BSc (Hons) F640 3 years</b>	ABB ①	33	D*DD in relevant diploma	108
<b>Geophysics (North America) MEdSci (Hons) F660 4 years</b>	AAB ②	35	Not accepted ④	109
<b>Geophysics (Physics) BSc (Hons) F656 3 years</b>	ABB ①	33	D*DD in relevant diploma	109
<b>Earth Sciences entry route leading to BSc (Hons) (4 year route including a Foundation Year at Carmel College) F608 4 (1+3) years</b>	⑥			109
<i>Degrees offered with other departments</i>				
<b>Environmental Science BSc (Hons) F750 3 years</b>	See Environmental Science			144

All programmes require two science subjects at A level (Mathematics, Physics, Chemistry, Biology, Geology, Geography). Geophysics programmes (**F641, F640, F660, F656**) require Physics and Mathematics. BTEC applicants may transfer to an MEdSci after completing Year One at a suitable level. Earth Sciences accepts the Extended Project Qualification (EPQ) where students are taking this in addition to A levels. Applicants with an EPQ will be given a standard offer for the programme of their choice and an alternative offer which will be one grade lower plus an A grade in EPQ.

- ① BBB offer with an A in EPQ.
- ② ABB offer with an A in EPQ.
- ③ Applicants should apply for **F600**.
- ④ Applicants should apply for **F640**.
- ⑤ Applicants should apply for **F6F8**.
- ⑥ Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

**Geology BSc (Hons)****UCAS code: F600****Programme length: 3 years**

Geology is the study of planet Earth ranging from natural hazards to natural resources, and from the history of life to the history of the planet itself. This programme provides a thorough, process-based and highly practical training in modern geology, with a strong emphasis on fieldwork. No prior knowledge of geology is assumed.

This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. This is an excellent first step if you are interested in a career as a professional geologist in industries such as petroleum, mineral resources, engineering geology and environmental assessment. Graduates are highly successful in finding employment as professional geologists and in degree-related careers.

**Geology MSci (Hons)****UCAS code: F601****Programme length: 4 years**

The first two years of this four-year degree are shared with the BSc Geology programme; the final two years provide more advanced training in all aspects of geology. You choose from a wide range of applied and more academic modules to create your own pathway. There is a high level of field-based training designed specifically to give you skills in data analysis, synthesis, problem solving, research and reporting your results. Semester two of Year Three can be spent abroad at a partner university in Australia or New Zealand. This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. Graduates from this degree are very successful in finding degree-related employment or continuing onto PhD programmes.

**Geology (North America)****MSci (Hons)****UCAS code: F603****Programme length: 4 years**

The first two years of this four-year degree are shared with the BSc programme whilst the final two years provide more advanced training, with the third year spent at a partner university in North America, where a range of novel or mainstream modules may be taken. The programme has a large proportion of field-based training and, while also ensuring that you gain skills in analysis, synthesis, problem solving, research and reporting, it affords an opportunity to experience a different culture and learning environment, along with access to diverse subject areas. This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. The number of places available on this degree programme is limited. If you apply, but do not achieve the required grades, you will be offered a place on either **F601** or **F600**, provided you obtain the required grades for those programmes.

**Geology and Geophysics****MSci (Hons)****UCAS code: F641****Programme length: 4 years**

This four-year degree delivers advanced and rigorous training in both geophysics and geology, including a high proportion of field based work, and fundamental training in physics and mathematics. This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. Graduates are highly successful in finding degree-related careers or continuing onto PhD programmes. The degree programme provides an excellent background for a wide-ranging career in geosciences, allowing (for example) flexible career paths between geology and geophysics in a large company. Transfer to a Geology degree is possible up to the end of Year One.



## Geology and Physical Geography BSc (Hons)

UCAS code: F6F8

Programme length: 3 years

The Earth surface system is dynamic and diverse, with changes driven by the interplay of physical, chemical, geological and biological processes in a wide range of environments. Drawing on the complementary expertise of staff in Geology and Physical Geography, this integrated degree programme provides a clear view of the controlling processes that link landscape evolution with environmental change and natural events that impact human activity. Fieldwork in Years Two and Three at Liverpool is designed specifically for this degree programme integrating geology and geomorphology. Students have academic tutors from both disciplines in Years One and Two.

This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. Graduates from this degree programme either gain employment directly or proceed to vocational MSc (such as Recent Environmental Change, Engineering Geology, Hydrogeology) or PhD degree programmes.

## Geology and Physical Geography MSci (Hons)

UCAS code: FF68

Programme length: 4 years

This four-year MSci Geology and Physical Geography degree is a strongly integrated programme benefiting from the complementary research expertise of staff in Geology and Physical Geography. The degree provides thorough training in the multidisciplinary approach required to document and understand spatial and temporal variations in physical processes operating on the Earth. The first two years are shared with the BSc programme. The final two years provide a wider choice of taught modules and a comprehensive fieldwork programme. In addition, you have the opportunity to design and undertake a major individual research project that will provide you with skills in analysis, synthesis, problem solving, and reporting.

This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. The unique range of skills that MSci Geology and Physical Geography students develop make them attractive to employers in the geotechnical and resource exploration industries, as well as the environmental monitoring, surveying and planning sectors.

## Geophysics (Geology) BSc (Hons)

UCAS code: F640

Programme length: 3 years

This three-year degree provides high-level training in geophysics with supporting geology, and including fundamental university training in physics and mathematics. This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status.

Graduates from this degree are very successful in finding degree-related employment or continuing with further education. This programme is particularly strong for careers in interpretation and processing of geophysical data, and research areas related to geological applications. Transfer to a Geology degree is possible up to the end of Year One.



## Geophysics (North America) MESci (Hons)

UCAS code: F660

Programme length: 4 years

The first two years of this four-year degree are shared with the **F640** programme whilst the final two years provide more advanced training. Your third year will be spent at a sister department in North America or Australia, where you will have the opportunity to experience a different culture and learning environment, along with access to diverse subject areas. Current links include the University of Georgia, the University of Illinois at Urbana-Champaign, McGill University, Montreal, Canada; Toronto University in Canada and Monash University in Melbourne, Australia. The number of places available on this degree programme is limited. If you apply, but don't achieve the required grades, you will be offered a place on either **F641** or **F640**, provided you obtain the required grades for those programmes.

This degree is accredited by the Geological Society of London, satisfying the requirements of Fellowship and Chartered Geologist status. Graduates are highly successful in finding degree-related careers or continuing onto PhD programmes. The degree programme is particularly strong for careers in interpretation and processing of geophysical data, and research areas related to geological applications.

## Geophysics (Physics) BSc (Hons)

UCAS code: F656

Programme length: 3 years

This three-year degree programme provides training in the principles and practice of geophysics with an emphasis on pure and practical physics. High level training is given in geophysics with supporting physics, providing classical physics training to second year university level, and including university training in geology and mathematics. This degree is recognised by the Institute of Physics.

Graduates from this degree are very successful in finding degree-related employment or continuing with further education. The programme is particularly strong for careers in geophysical data analysis, and research areas related to global geophysics and planetary science.

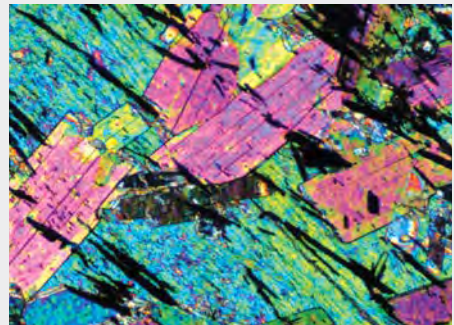
Transfer to a Physics degree is possible up to the end of Year One.

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

UCAS code: F608

Programme length: 4 (1+3) years

This programme provides a route into a number of BSc (Hons) degrees in Earth or Ocean Sciences; it is especially suitable for students without a strong background in science. You will follow a Foundation Year at Carmel College (St Helens, nine miles from the University of Liverpool), where the class sizes are small and the standards of academic achievement high.





# Ecology and Marine Biology

Liverpool has long led the way in teaching and research of these subjects. We are the first UK university to offer a degree in Marine Biology and our teaching staff includes world-leading academics in marine and terrestrial ecology. We are part of the School of Environmental Sciences so your studies will benefit from our shared links with Ocean Sciences, Geography, Earth Sciences and the School of Life Sciences.

*There are a diverse amount of learning opportunities available. Whether this be in lectures, developing practical skills or going abroad to undertake work placements, there are always chances to get involved. My overseas placement has inspired me to take a different path within environmental sustainability, and I would now like to work closely with legislation and will be applying for positions within environment-related government agencies.*

**Ruby Temple-Long**  
Marine Biology BSc (Hons)

## Good to know

### 142

Earth, Ocean and Ecological Sciences Year One undergraduates in 2015

### 1st

Liverpool was the first UK university to offer a degree in Marine Biology

### 100%

of our students said staff were good at explaining things (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

# Why choose Ecology and Marine Biology at Liverpool?

## Be part of a group whose world-leading research is helping to tackle today's greatest environmental challenges

Our research into the vulnerability of marine species and habitats to fishing, global climate change and coastal development is helping organisations such as the Department for Environment, Food and Rural Affairs, the Intergovernmental Panel on Climate Change and the International Council for the Exploration of the Sea to develop sustainable management plans.

## Bring your studies to life with field teaching

Field teaching is at the centre of learning in all years, because it gives students an understanding of the natural environment that cannot be achieved in the classroom alone. Our residential field course locations currently include Pembrokeshire, Devon and the west coast and highlands of Scotland but we also regularly get out into the local area around North West England and North Wales.

## Broaden your perspective by experiencing study overseas

All of our students organise and undertake an independent study visit overseas to a country of their choice. This gives you vital scientific work experience on a subject that interests you. You will also learn about the culture and biodiversity of another country and expand your network of contacts. An increasing number of our students take the chance to study abroad during their second year with one of our exchange partners in countries such as Australia, Canada, Malaysia and Sweden. An optional tropical ecology field course in Uganda is an exciting opportunity to explore new ecosystems.

## Benefit from our excellent facilities and partnerships

Our outstanding facilities include our custom-built research vessel Marisa, and the Central Teaching Laboratories (CTL). Students use the CTL's state-of-the-art facilities and equipment for practical work, field work and analytical skills such as Geographical Information Systems (GIS). Liverpool hosts the National Oceanography Centre (NOC) who contribute to research-led teaching. Local, national and international partners including World Museum Liverpool, RSPB and the Wildlife Trusts help with field visits and research projects.

## Thrive in our friendly and supportive atmosphere

From day one, you will study with fellow students from your programme, on modules designed specifically for you. Intensive field courses and projects will give you the opportunity to work closely with our award-winning academic staff. Throughout your studies, your personal tutor will guide and support you and help to prepare you for the next step in your career.

## Study abroad

As part of your degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Current opportunities include Lund University, Sweden, through the Erasmus+ programme, as well as a number of our worldwide exchange partnerships including Australia, Canada and Malaysia. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Ecology and Marine Biology, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Our graduates have a diverse range of careers, including media, environmental consultancy, administration, academia, teaching, local and national government and international banking. Recent graduates who have careers within the sector include fisheries observers, seabird research assistant, field assistant on mammal surveys, rangers and conducting environmental surveys for construction work. Many choose to continue their studies at master's or PhD level on topics such as fish assemblages in mangroves, marine ecosystem responses to climate change and carbon sequestration in soils.



## How you learn

Teaching strategies include a mix of lectures, tutorials, workshops, field classes, research vessel cruises, laboratory work, computer sessions, group projects and individual work under supervision. You will typically receive around 15 hours of formal teaching each week, as well as about 60 hours on residential field courses each year. You will study four modules per semester. A module might involve two one-hour lectures each week, and a laboratory or computer-based practical as well. Tutorials are an integral part of our approach, involving groups of 5-7 students meeting regularly with a member of academic staff to discuss study skills, careers, current research and topical issues.

As you progress through your degree, you are increasingly challenged to engage with current debates, to think critically and to study independently. You will do an 'Honours Project' throughout Year Three, which is a piece of independent research (field, lab or data analysis) on a topic of your choice, supervised by a member of academic staff. If you opt for the four-year Integrated master's programmes, you will spend 50% of your final year on a 'master's project' working closely within a research group on an area which may well generate publishable results.

## Which degree

We offer three BSc (Hons) degrees and two four-year Integrated Masters. **Marine Biology** is the study of all life in the sea, from the physiology and behaviour of individual organisms to the structure and organisation of entire marine communities. **Marine Biology with Oceanography** focuses on how physical and chemical processes in the oceans shape these biological interactions. **Ecology and Environment** incorporates the study of all ecosystems, including terrestrial and freshwater, how their residents interact with each other and their response to human influences. In the first year of study there are several common elements between all of our programmes, so if you are not sure, you can very easily switch between them. We also offer a popular foundation route with a year at Carmel College.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Ecology and Environment BSc (Hons) C192 3 years</b>	ABB ①	33	D*DD in relevant diploma	115
<b>Ecology and Environment MEcol (Hons) C180 4 years</b>	AAB ②	35	Not accepted ③	115
<b>Marine Biology BSc (Hons) C160 3 years</b>	ABB ①	33	D*DD in relevant diploma	115
<b>Marine Biology MMarBiol (Hons) C161 4 years</b>	AAB ②	35	Not accepted ④	115
<b>Marine Biology with Oceanography BSc (Hons) C1F7 3 years</b>	ABB ①	33	D*DD in relevant diploma	115
<i>Degrees offered with other departments</i>				
<b>Environmental Science BSc (Hons) F750 3 years</b>	See Environmental Science			144
<b>Biological Sciences leading to BSc (Hons) (4 year route with Foundation Year at Carmel College) C108 4 (1+3) years</b>	See Life Sciences			187

**C192, C180, C160, C161** and **C1F7** require Biology and one other science (Mathematics, Physics, Chemistry, Geography or Geology) at A level. Ecology and Marine Biology accepts the Extended Project Qualification (EPQ) where students are taking this in addition to A levels. Applicants with an EPQ will be given a standard offer for the programme of their choice and an alternative offer which will be one grade lower plus an A grade in EPQ.

① BBB offer with an A in EPQ.

② ABB offer with an A in EPQ.

③ Applicants should apply for **C192**. Students may transfer to **C180** later, subject to satisfactory progress.

④ Applicants should apply for **C160**. Students may transfer to **C161** later, subject to satisfactory progress.



## Ecology and Environment BSc (Hons)

UCAS code: C192

Programme length: 3 years

There are at least two compelling reasons why Ecology and Environment are important subjects at degree level. First, the world is faced with profound environmental and ecological challenges. Second, in response to this, employment in the environmental sector is currently healthy and growing for suitably qualified graduates. Our programme covers key ecological concepts and practical skills, with as much fieldwork as possible and an emphasis on applied science and conservation.

## Ecology and Environment MEcol (Hons)

UCAS code: C180

Programme length: 4 years

Our four-year Integrated master's programme is designed to train high-performing students to the best possible standard to prepare them for PhD research and employment.

## Marine Biology BSc (Hons)

UCAS code: C160

Programme length: 3 years

From microscopic algae to giant whales, most of our planet's life is found in the oceans. As a marine biologist, you will study the whole range of marine organisms, and their interactions with each other and their environment. You will learn about the behaviour, physiology, and ecology of marine organisms, and how marine food webs are influenced by global warming and fisheries. Applied aspects of the programme include monitoring, pollution, conservation, and aquaculture. We produce marine biologists with knowledge and skills that make them employable in the 21st century.

## Marine Biology MMarBiol (Hons)

UCAS code: C161

Programme length: 4 years

Our four-year Integrated master's programme is designed to train high performing Marine Biologists to the best possible standard to prepare them for PhD research and employment.

## Marine Biology with Oceanography BSc (Hons)

UCAS code: C1F7

Programme length: 3 years

Life first emerged in the ocean and has spread throughout this dynamic environment. The distribution, growth and success of marine organisms is affected by the interaction of biological, chemical and physical processes operating in the ocean. You will study the interaction between the biology of individuals, populations and communities, the composition and properties of seawater and the physical processes that transport seawater and its contents.

Throughout the degree, there is a strong emphasis on marine sustainability and ecosystem management, marine biogeochemistry, the climate system and numerical skills. Training on our research vessel, in the field, and in the laboratory in Years One, Two and Three will provide you with practical experience of data collection and processing, analysis and interpretation, the essential skills required to be a successful marine scientist.





# Electrical Engineering and Electronics

Electrical Engineering and Electronics at Liverpool offers an exciting range of degree programmes which address all of the major subject areas underpinning the technology-based modern economy. Whether your interests are in robotics, computers, power systems, communications networks or the internet-of-things, our range of degrees will give you a head start.

**IET** The Institution of  
Engineering and Technology

*Electrical energy is everywhere but the biggest challenge we are facing now is creating energy from sustainable sources. The programme structure offers a balance between theory and practical application and focuses a lot on this sustainability aspect, be it for a power station or software project, and provides solutions to radically reduce the damage caused to the environment. At Liverpool the Department also has good links with relevant industries so you can see the path between your career and the degree.*

**Likhitha Ala**  
Electrical and Electronic Engineering MEng (Hons)

## Good to know

**112**

Year One undergraduates in 2015

**96%**

of our students agree staff are enthusiastic about what they are teaching (NSS 2015)

**90%**

of our graduates who are in employment six months after graduating, have a professional or managerial job (Unistats)



Offers study abroad opportunities



Offers a Year in China

# Why choose Electrical Engineering and Electronics at Liverpool?

## Equip yourself to take advantage of excellent career prospects

All of our undergraduate programmes will give you the solid training employers want to see and we work closely with top employers in the development of our programmes. Emphasis is given to the basic principles of electrical/electronic engineering together with information technology, both software and hardware, and you will use industry standard tools, technologies and working methods ensuring you are in an excellent position to move smoothly into industry.

## Be prepared for the global workplace

The technology economy is truly global and transcends borders. Our partnership with Xi'an Jiaotong-Liverpool University in Suzhou, China places us in a unique position to prepare our students for this reality and we are able to offer outstanding opportunities to study abroad.

## Gain real hands-on experience

Often working closely with leading technology companies, you will work on individual and group projects throughout your studies. Our approach is to enable you to mature through the practical application of concepts and theory, always with awareness of their relevance to the real world. You will take projects from conception, through to design, implementation and operation and there are many opportunities to put your learning into practice through an optional year in industry.

## Thrive within our friendly environment

We are a smaller department than some other universities and staff are on first name terms with students. Our supportive environment is reflected in our high overall student satisfaction rate (National Student Survey). Your personal development and employability skills are reinforced in the supportive small group environment of our fortnightly tutorial sessions.

## Apply for generous scholarships

The Institution of Engineering and Technology (IET) offer Ambition Scholarships worth up to £3,000 per year. Selection for the Ambition Scholarship depends on A level achievement (from three Bs) and personal financial need. More details can be found at [www.theiet.org/awards](http://www.theiet.org/awards). The department will offer an additional scholarship for students who hold an IET scholarship.

## Benefit from our excellent facilities

You'll study in our £2 million refurbished teaching laboratories and state-of-the-art facilities for robotics and digital systems.

## Study abroad

As part of your degree you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Electrical Engineering and Electronics, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Year in Industry

Almost all our programmes have Year in Industry variants that give you the opportunity to spend a year working with an engineering company in the UK or abroad.

## Your future

Our degrees have excellent career prospects: 90% of our graduates who are in employment six months after graduating, have a professional or managerial job (Unistats). Graduate employers include Siemens, BAE Systems, BT and Guardian Media Group. Careers are many and varied and include design engineer, systems engineer, medical physicist, postdoctoral research scientist and radio frequency scientist. Some of our graduates go on to work in the industrial sector, in government and in education, whilst others enter non-technical professions such as banking, accountancy, management and law.

## How you learn

All programmes are taught over two semesters with examinations at the end of each semester. Modules vary from those which are assessed by examination only to others which are continuously assessed. All programmes incorporate a substantial practical component, with an increasing emphasis on project work as you progress through to the final year. You can select your final year individual project in consultation with members of staff.

## Accredited degrees

All our **MEng** and **BEng** programmes are accredited by the Institution of Engineering and Technology (IET). To qualify for Chartered Engineer (CEng) status you need either a MEng degree or a BEng degree with a matching section of further learning. The MEng is an enhanced BEng programme, which means that you have an extra year to study advanced topics and undertake a group project based on the needs of industry.

If you have an interest in the design of electronic circuits and modern electronic devices then a specialisation in **Electronics** will interest you. Electrical machines and power generation and distribution are covered by a specialisation in **Electrical Engineering**. Or you may choose to study both subjects with a general degree in **Electrical Engineering and Electronics**.

We offer several degrees for those students with a particular interest in **avionics**, **computer science**, **mechatronics** or **robotics**. For those students who are not studying the appropriate A levels, we offer a four-year BEng programme with a foundation element.

## Work experience opportunities

Our Year in Industry programmes include a placement year during which you will spend time working in an engineering company. This is an excellent opportunity to gain practical engineering experience which will boost your CV. Many placement students continue their relationship with the placement provider by undertaking relevant projects when they return to the University and may ultimately return to work for the company when they graduate. The placement is assessed by two reports, a poster and an oral presentation.

Placements can be near or far, in the UK, Europe or China. Placements have been offered by the National Oceanography Centre which is based on the University campus and CES companies based on Suzhou Industrial Park (SIP) in China. Students who take up a placement on SIP are offered accommodation at our partner University, Xi'an Jiaotong-Liverpool University (XJTLU), based in Suzhou, China and they have access to all the facilities on the XJTLU campus.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Avionic Systems BEng (Hons) H430 3 years</b>	ABB	33	D*DD in relevant diploma ①	121
<b>Avionic Systems with a Year in Industry BEng (Hons) H432 4 years</b>	ABB	33	D*DD in relevant diploma ①	121
<b>Avionic Systems MEng (Hons) H431 4 years</b>	ABB	33	D*DD in relevant diploma ①	121
<b>Computer Science and Electronic Engineering BEng (Hons) HH66 3 years</b>	ABB	33	D*DD in relevant diploma ①	122
<b>Computer Science and Electronic Engineering with a Year in Industry BEng (Hons) HG6L 4 years</b>	ABB	33	D*DD in relevant diploma ①	122
<b>Computer Science and Electronic Engineering MEng (Hons) GHK6 4 years</b>	ABB	33	D*DD in relevant diploma ①	122
<b>Electrical and Electronic Engineering BEng (Hons) H603 3 years</b>	ABB	33	D*DD in relevant diploma ①	122
<b>Electrical and Electronic Engineering with a Year in Industry BEng (Hons) H605 4 years</b>	ABB	33	D*DD in relevant diploma ①	122
<b>Electrical and Electronic Engineering MEng (Hons) H606 4 years</b>	ABB	33	D*DD in relevant diploma ①	123
<b>Electrical and Electronic Engineering with a Year in Industry MEng (Hons) H607 5 years</b>	ABB	33	D*DD in relevant diploma ①	123
<b>Mechatronics and Robotic Systems BEng (Hons) HH67 3 years</b>	ABB	33	D*DD in relevant diploma ①	124
<b>Mechatronics and Robotic Systems with a Year in Industry BEng (Hons) HHP7 4 years</b>	ABB	33	D*DD in relevant diploma ①	124
<b>Mechatronics and Robotic Systems MEng (Hons) HH76 4 years</b>	ABB	33	D*DD in relevant diploma ①	124
<b>Mechatronics and Robotic Systems with a Year in Industry MEng (Hons) HHR6 5 years</b>	ABB	33	D*DD in relevant diploma ①	124
<b>Engineering Foundation BEng (Hons) (4 year route including a Foundation Year at Carmel College) H109 4 (1+3) years</b>	②			124

All programmes require A level Mathematics and a science subject (Biology, Chemistry, Computing, Geography, Physics, Electronics or Design and Technology: Systems and Control Technology).

① Including Distinction in Level 3 Further Mathematics for Engineering Technicians.

② Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

We also offer other Engineering programmes, including Civil, Aerospace, Mechanical and Architectural Engineering and Industrial Design. See pages 126-135 for details.

## Avionic Systems BEng (Hons)

UCAS code: H430

Programme length: 3 years

## Avionic Systems with a Year in Industry BEng (Hons)

UCAS code: H432

Programme length: 4 years

People of all ages often wonder what stops an aircraft from falling out of the sky. The fundamental reason is due to the aerodynamic lift acting on the wings but, for modern aircraft, there is more to it than that. Sophisticated electronics is another essential ingredient especially for aircraft that are inherently aerodynamically unstable, such as some fighter jets. Electronic systems associated with flight are known by the term 'avionics' derived from the expression 'aviation electronics'. Avionics covers the internal sensors and control systems within aircraft: from airborne communication and navigation systems to 'stealth' aircraft design and flight control systems.

As aircraft gets more sophisticated, the avionics becomes more and more important – such as in modern 'fly-by-wire' control systems. In fact the avionics in most aircraft will be upgraded several times during the life of the airframe. This makes avionics one of the most important sectors in the aerospace industry and it is a major employer in the UK.

This degree programme aims to provide you with all of the necessary technical knowledge to work in a variety of disciplines associated with avionic systems: radar systems, GPS/inertial navigation systems, guidance and control, and avionic systems design.

We have strong links with industry and a number of undergraduate projects have been generated from industrial projects undertaken by members of the Department. Examples include the development of infrared tracking algorithms for missile warning systems, antenna design for airborne communications and flight control systems for terrain avoidance in low-level flight.

## Pilot Studies pathway

Our Avionics programmes give you the option to learn to fly and to build towards either a National Private Pilot's Licence (NPPL) or a full JAA/PPL in the first year and the 'frozen' Air Transport Pilot's Licence (fATPL) in the second year. If you are seeking a career as a commercial airline pilot it is possible to work towards the fATPL. Our flight training partners are based at Liverpool John Lennon Airport and time for flight training is provided in your timetable. Also, a particularly exciting experimental facility on the University campus is the Bibby Flight Simulation Laboratory featuring motion and visual cueing and a library of different aircraft types that students can 'try their hands on'. A new two-seat motion simulator is used as support to our Pilot Studies programmes.

An additional fee of approximately £3,400 is required to cover the costs of the mandatory 20 hours pilot training that is required for all students who choose the Pilot Studies pathway and work towards the NPPL, JAA/PPL and fATPL.

## Avionic Systems MEng (Hons)

UCAS code: H431

Programme length: 4 years

This programme is an enhanced version of the BEng degree in Avionic Systems. It allows for more specialisation and will provide a deeper level of knowledge and a faster route to a recognised professional qualification as a Chartered Engineer. It contains modules that consider the technical and industrial management activities that are an essential part of a professional engineer's role.

An additional fee of approximately £3,400 is required to cover the costs of the mandatory 20 hours pilot training that is required for all students who choose the Pilot Studies pathway and work towards the NPPL, JAA/PPL and fATPL.



## Computer Science and Electronic Engineering BEng (Hons)

UCAS code: HH66

Programme length: 3 years

---

## Computer Science and Electronic Engineering with a Year in Industry BEng (Hons)

UCAS code: HG6L

Programme length: 4 years

---

Today you are unlikely to come across any modern device without at least one microprocessor inside, giving birth to a new generation of smart devices that will shape the way we live in the future. The rapid pace of technological change and the diversity of modern applications require a broad educational background and a lifelong commitment to learning new and specialised skills.

This programme combines the core elements of Electronic Engineering with those of Computer Science, the intellectual discipline underlying all aspects of software development. Teaching is divided between the Department of Electrical Engineering and Electronics and the Department of Computer Science. Combining elements from these two disciplines will equip you with both an added breadth of knowledge, in addition to a degree of specialisation which enables greater penetration of these branches of learning. One other reason why our graduates are in demand is their fluency both in the language of electronic engineers as well as that of the computer scientists, enabling you to bridge the gap between software systems and the real world.

## Computer Science and Electronic Engineering MEng (Hons)

UCAS code: GHK6

Programme length: 4 years

---

This MEng (Hons) degree programme provides added depth and breadth to the BEng (Hons) programme. The first two years of this programme are identical to the BEng (Hons) in Computer Science and Electronic Engineering (HH66); giving you the flexibility to choose between programmes if you are uncertain which one is your first choice at present. In the fourth year you will also undertake a major group project in which you collectively assign responsibilities and management roles within the team.

## Electrical and Electronic Engineering BEng (Hons)

UCAS code: H603

Programme length: 3 years

---

## Electrical and Electronic Engineering with a Year in Industry BEng (Hons)

UCAS code: H605

Programme length: 4 years

---

There are a diverse range of career opportunities available to graduates of this degree programme. You may be responsible for the planning of the electricity distribution network, or you may be designing the electronics of the next 'must have' item, you are also not limited to a career in engineering. Other employers actively seek engineers for their mixture of numerical ability and practical problem solving skills. Practical work is a key ingredient in this programme with one day per week timetabled in our well-equipped modern laboratories during the first two years. In the final year you will do a major individual project that is either linked to research work or has some industrial relevance. A very wide range of projects are offered.

Lecture modules also reflect the broad based nature of this degree. In the first year, subjects covered range from Digital Electronics and Electronics Circuits through to Electromagnetism and Electromechanics. A similar range of modules are covered in the second year. In the final year you will be able to choose a specialisation from Electrical Engineering; Electrical and Electronic Engineering; Electronics; Electronic and Communication Engineering. Electrical Engineering is not simply about producing and transmitting electrical energy, it is also about how it is used. In both its transmission and usage there are significant and increasing challenges facing Electrical Engineers; many of these are related to sustainability and the environment. Over the last decade there has been an increase in the generation of electrical energy from greener sources (eg wind, wave, solar etc) and more efficient consumer products with increased electronics and software.

Electrical and Electronic Engineering is the broadest of the four specialisations and will allow you to choose lecture modules from an extensive list of about 25 options including subjects as diverse as Power Generation and Transmission, Antennas and Digital Systems Design with Verilog. The Electronics specialisation will prepare you for the world of modern electronics. The Department of Electrical Engineering and Electronics is particularly strong in electronics with research groups in solid state silicon electronics, molecular electronics and BioNano Electronics. The Department also has excellent links with the electronics industry; for example ARM Ltd, who design the microprocessors that go into 90% of all mobile phones, have supported the Department through donations (from the Founding CEO of ARM plc, Sir Robin Saxby, an electronics graduate from the University of Liverpool), summer work placements, ideas for project work and, most significantly, employment for many recent graduates.

It is an exciting time for the Electronic and Communications industry. New and innovative products are coming out every day. The rapid growth of the wireless market is fuelled by technological innovation. The current wireless communication systems include 3G mobile phones, Bluetooth, wireless local area network (WLAN), and Wi-Fi. More exciting wireless systems and technologies (such as WiMAX and 4G) are emerging all the time. This programme is designed for those students with an interest in communications engineering and associated electronics. It covers a wide range of topics in Electronic and Communications engineering. You will not only learn how a communication system works, but also understand what electronic components are required for such a system.

### **Electrical and Electronic Engineering MEng (Hons)**

**UCAS code: H606**

**Programme length: 4 years**

### **Electrical and Electronic Engineering with a Year in Industry MEng (Hons)**

**UCAS code: H607**

**Programme length: 5 years**

The MEng allows you to study your areas of interest in more depth and also gives you the time to widen your knowledge of both Electrical and Electronic Engineering and other subjects including management.

This degree leads more directly to Chartered Engineer status than the equivalent BEng (Hons) programme and it is the choice programme for a career in engineering management. On **H607** you will spend your third year on placement in industry.



## **Mechatronics and Robotic Systems BEng (Hons)**

UCAS code: HH67

Programme length: 3 years

---

## **Mechatronics and Robotic Systems with a Year in Industry BEng (Hons)**

UCAS code: HHP7

Programme length: 4 years

---

Mechatronics and robotic systems is one of the newest branches of engineering applicable to every sector of society. It involves technologies in Mechanical Engineering, Electronics, Electrical Engineering, Control Engineering and Computing. Remotely operated vehicles on Mars, programmable washing machines at home and automated robots at manufacturing assembly lines are just some examples of mechatronics and robotic systems. These products are essentially mechanical in nature but could not function without electrical and computer control systems.

There are numerous automotive applications; modern high performance cars have more than 100 computers hidden in the engine management system, anti-lock brakes, active suspension control and elsewhere. Engineers with experience in mechatronics and robotic systems are actively sought by industry. For example in the automotive sector, you could be designing active rear spoilers to improve aerodynamic performance or pressure sensitive electronic brake and accelerator pads in place of pedals.

The BEng and MEng degree programmes in Mechatronics and Robotic Systems offer a diversity of subject material with an emphasis on interdisciplinary skills.

Each lecture course is taught by a specialist in that subject, ie the mechanical engineering courses are taught by staff from the Department of Engineering, whereas the control engineering is taught by staff from the Department of Electrical Engineering and Electronics.

## **Mechatronics and Robotic Systems MEng (Hons)**

UCAS code: HH76

Programme length: 4 years

---

## **Mechatronics and Robotic Systems with a Year in Industry MEng (Hons)**

UCAS code: HHR6

Programme length: 5 years

---

This MEng (Hons) degree programme has more depth and breadth than the BEng (Hons) programme in Mechatronics and Robotic Systems. Therefore you will study a greater range of subjects. You will also study the core subjects in more detail such as Advanced System Modelling and Control. In addition to the individual final year project, you will also undertake a major group project in the third year.

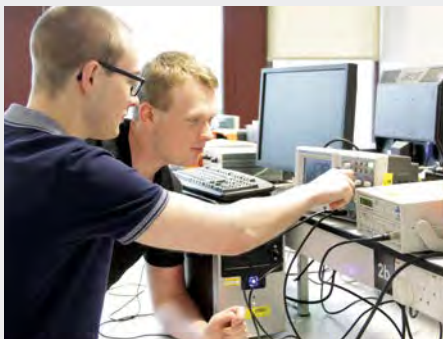
## **Engineering Foundation BEng (Hons) (4 year route including a Foundation Year at Carmel College)**

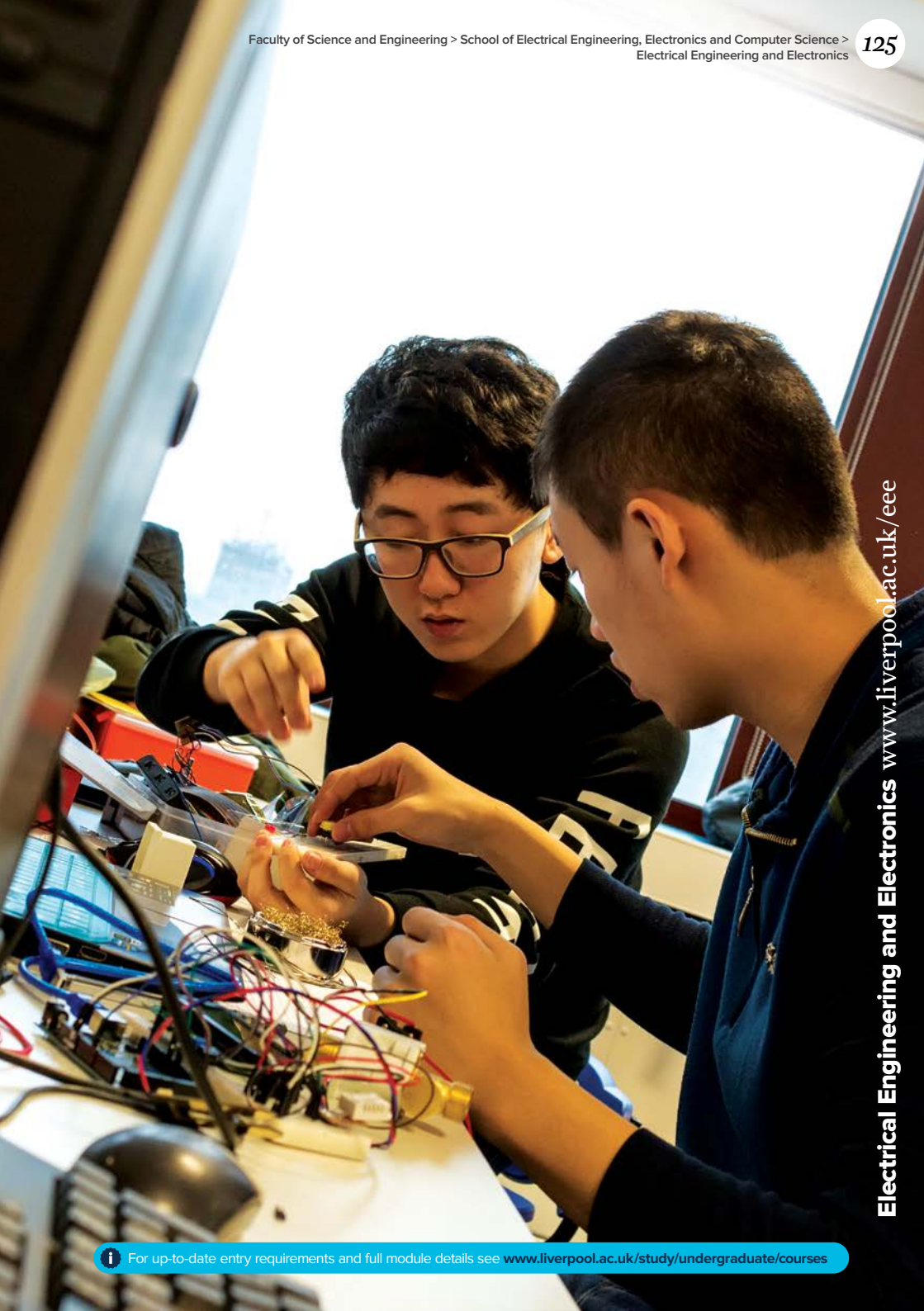
UCAS code: H109

Programme length: 4 (1+3) years

---

This modular programme provides a four-year route to all our degree programmes for those students who do not have the appropriate A level qualifications. First year (Year Zero) is based at Carmel College in St Helen's (approximately nine miles from the main university campus). The foundation year comprises modules in physics and mathematics, and you can choose your third optional module from Chemistry or Information Technology.





# Engineering

Decide to study engineering and you are choosing a path that will allow you to make a real and lasting impact on the world we live in. At the University of Liverpool's School of Engineering, our practical, industry-led degrees are creating the engineers of the future.



ROYAL  
AERONAUTICAL  
SOCIETY

Institution of  
MECHANICAL  
ENGINEERS

*There is a range of projects available to take part in. My group project involves the design and manufacturing of a Formula Student race car, which is such a great opportunity to apply the knowledge gained from the programme to a real-life project.*

**India Phillips**  
Mechanical Engineering MEng (Hons)

## Good to know

### 360

Year One undergraduates in 2015

### 5th

General Engineering is ranked 5th in the UK for 4\* and 3\* research (REF 2014)

### 90%

of our graduates who are in employment six months after graduation have a professional or managerial job (Unistats)



Offers study abroad opportunities



Offers a Year in China



# Why choose Engineering at Liverpool?

## Choose a degree that prepares you to be a modern engineer for the future

At Liverpool, your learning environment reflects your future working environment. Our emphasis is on active learning, supported by traditional lectures and tutorials. You will benefit from research-led teaching, conducted in collaboration with industry, Government, research laboratories and academics around the world. We have received many accolades from the engineering industry who regard our graduates as among the most employable in the world – the highest validation of our approach.

## Benefit from learning in outstanding facilities

We are a centre of excellence for engineering research and have a highly respected reputation for superb experimental facilities. Our £32 million redevelopment includes the new Active Learning Laboratory. This is one of the largest and best-equipped laboratories in Europe and is at the heart of undergraduate learning. State-of-the-art facilities you will benefit from include two research-standard full motion flight simulators (one of which is unique within the academic world), manufacturing robotics, wind turbines, a water flume, additive manufacturing machines and many more.

## Put your learning into practice through a year in industry

There is nothing like spending a year working in industry as part of your degree for consolidating your knowledge and giving you a head start in the job market after you graduate. A year in industry can be taken in all our programmes. In addition, there are fantastic opportunities to study abroad – guaranteed to make you stand out from the crowd.

## Shape our flexible programmes around you

Our programmes provide opportunities for specialisation in one discipline or a broad skill base across all engineering disciplines.

## Gain professional accreditation

All our BEng/MEng degree programmes are accredited by at least one professional institution, providing you with a solid foundation for your career. A MEng degree from Liverpool satisfies the academic requirements for registration as a Chartered Engineer (CEng).

## Study abroad

As part of your Engineering degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Engineering, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

The University of Liverpool's Careers & 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.

## How you learn

'The Liverpool Engineer' encapsulates the special nature of a graduate from any of the programmes offered by the School of Engineering. We offer an engineering education distinctive in the way students engage actively, through the design and make activities, with their learning process. The Liverpool Engineer degree programmes promote 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. The School also houses the Engineering and Materials Education Research Group, which advises all UK teachers about innovations in engineering education. Recently one of our students was voted the best engineering student in the UK, another won the prestigious Whittle Award for the best final year project and Mechanical Engineering students (ULVT) set a new British land speed record of 75mph for the fastest human powered vehicle with the ARION1 Land Speed Bicycle.

## Which degree

**Aerospace Engineering:** Aerospace Engineering excites the imagination – who can fail to be impressed by the sight of a modern airliner taking off, a state-of-the-art fighter showing off its manoeuvre capability, a helicopter rescuing people in danger or the International Space Station in orbit? All of these products represent astonishing engineering achievements, challenging the frontiers of aeronautical, mechanical, electrical, materials, manufacturing and computer engineering. Nor should we forget the managerial achievement in bringing such complex projects to successful fruition. Aerospace engineering programmes are interdisciplinary, incorporating all of these facets of engineering. They are intended to provide a firm educational background and engineering training for entry into the design, development, manufacturing and operational sectors of the aerospace industry but are also well suited to many other industries.

The programmes are accredited by the Royal Aeronautical Society and the Institution of Mechanical Engineers. The School of Engineering has more than 20 members of teaching staff with aerospace expertise and state-of-the-art aerospace facilities including two research-standard, full motion flight simulators, one of which is unique in the academic world. Students will be offered a variety of specialist options during the MEng degree.

### **Aerospace Engineering with Pilot Studies:**

These programmes introduce elements of pilot studies into an aerospace engineering degree. A first-year module is based on the contents of the Private Pilot's Licence (PPL) ground school, complements the core engineering modules that support the specialist aerospace topics. In the second year, a further module is included that is based on the ground school syllabus for the Air Transport Pilot's Licence (ATPL). Students who wish to qualify for either a PPL or ATPL must complete the stipulated in-flight training outside of the degree programme. The cost of this flying must be met by the candidate together with the associated ground school examination and appropriate air medical certificate fees. The pilot studies modules have been designed to help with preparations for the ground school examinations, which again must be taken by the student outside of the degree. All students must complete a programme of 20 hours flight training in the first year which currently costs approximately £3,400. This is in addition to the normal University fees.

**Civil Engineering:** Whether you are interested in designing roads, airports, bridges, stadia, hospitals, power stations, harbours or water supply systems, a degree in Civil Engineering will acquaint you with the latest construction technologies and design methods. There has never been a greater need for well qualified Civil Engineers: towns and coasts in need of flood defences; people and freight in need of safe and efficient transport systems; ever more urgent challenges in environmental conservation, sustainable design and infrastructure maintenance.

*Continued over...*



**Engineering:** Are you unsure which engineering discipline or degree to choose? If your answer is yes, then one of our general engineering programmes is for you. They are 'deferred choice' programmes which means students study across the main engineering disciplines of Aerospace, Civil, Industrial Design and Mechanical Engineering in their first year before deciding which discipline to specialise in. Please note that the Engineering BEng and MEng are entry routes for deferred choice and therefore you will graduate with a degree in whichever engineering discipline you choose at the end of Year One.

**Industrial Design:** These programmes have been specifically designed to respond to the increasingly multidisciplinary nature of new product development and the demand for articulate, high-calibre engineering graduates that are capable of operating professionally in both a creative and a technical capacity. You will study in depth the latest industrial and product design engineering techniques, materials and manufacturing processes, modern information technology, management, business and entrepreneurial practices. Through this you will develop skills, ability and knowledge processes in three dimensional designing, prototyping and production techniques for a successful career in and around the exciting discipline of designing and developing new products. This programme brings together the traditional discipline of engineering and the very latest in new product techniques.

**Mechanical Engineering:** The Mechanical Engineering BEng and MEng programmes have recently been enhanced in line with the School curriculum developments for the 'Liverpool Engineer'. These include active learning experiences, such as one week creations and an immersive Pro ENGINEER course in Year One, enhanced laboratory work in Years One and Two, and capstone projects in Years Three and Four. The 'Liverpool Engineer' has deep technical knowledge and skills, an awareness of Total Design, approaches his/her studies professionally and is committed to lifelong learning. The programmes are accredited by the Institution of Mechanical Engineers.

**Architectural Engineering:** The Architectural Engineering BEng and MEng degree is a multidisciplinary degree, encompassing Civil Engineering and Architecture. The degree programme will provide you with a multidisciplinary skill set to design building structures, bridges and critical infrastructure utilising not only the solid technical grounding that a typical civil/structural engineering degree provides but also a robust and wider appreciation of the architectural, societal, economic and environmental aspects associated to a particular design solution.

**BEng or MEng (Hons):** Students can opt to take a three year Bachelor of Engineering (Hons) degree (BEng) or a four year Masters of Engineering (Hons) degree (MEng). The BEng and MEng courses are the same for the first two years of study. Students studying for a MEng (Hons) degree benefit from the MEng being a direct route to becoming a Chartered Engineer. Full participation in capstone projects (incorporates several national and international competitions including Formula Student and Aerospace Electrical and Heavy Lift). As the extended tuition fee loan incorporates all four years for MEng, students will receive financial benefit throughout. Increased employment opportunities as a MEng degree is both highly recognised and desirable within the Engineering industry.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Aerospace Engineering BEng (Hons) H425 3 years</b>	ABB	33	D*DD in relevant diploma ①	132
<b>Aerospace Engineering MEng (Hons) H421 4 years</b>	AAA	35	Not accepted	132
<b>Aerospace Engineering with Pilot Studies BEng (Hons) H401 3 years</b>	ABB	33	D*DD in relevant diploma ①	132
<b>Aerospace Engineering with Pilot Studies MEng (Hons) H402 4 years</b>	AAA	35	Not accepted	132
<b>Architectural Engineering BEng (Hons) HK26 3 years</b>	ABB	33	D*DD in relevant diploma ①	133
<b>Architectural Engineering MEng (Hons) HK28 4 years</b>	AAB	35	Not accepted	133
<b>Civil Engineering BEng (Hons) H200 3 years</b>	ABB	33	D*DD in relevant diploma ①	133
<b>Civil Engineering MEng (Hons) H202 4 years</b>	AAB	35	Not accepted	134
<b>Civil and Structural Engineering MEng (Hons) H220 4 years</b>	AAB	35	Not accepted	134
<b>Engineering BEng (Hons) H100 3 years</b>	ABB	33	D*DD in relevant diploma ①	134
<b>Engineering MEng (Hons) H101 4 years</b>	AAA	35	Not accepted	134
<b>Industrial Design BEng (Hons) 3D52 3 years</b>	ABB	33	D*DD in relevant diploma ①	134
<b>Industrial Design MEng (Hons) 6G11 4 years</b>	AAB	35	Not accepted	135
<b>Mechanical Engineering BEng (Hons) H300 3 years</b>	ABB	33	D*DD in relevant diploma ①	135
<b>Mechanical Engineering MEng (Hons) H301 4 years</b>	AAA	35	Not accepted	135
<b>Mechanical and Materials Engineering BEng (Hons) HJ35 3 years</b>	ABB	33	D*DD in relevant diploma ①	135
<b>Mechanical and Materials Engineering MEng (Hons) HJ3M 4 years</b>	AAA	35	Not accepted	135
<b>Engineering Foundation BEng (Hons) (4 year route including a Foundation Year at Carmel College) H109 4 (1+3) years</b>	②			135

All Year One entry programmes apart from Civil Engineering require Mathematics plus another science subject at A level. Applicants not offering A level Physics must have taken applied/mechanics options in Mathematics A level. Civil Engineering programmes require A level Mathematics.

① With Distinction in Level 3 Further Mathematics for Engineering Technicians. Students will be required to take a Mathematics assessment, please contact the University for further information and dates of assessments.

② Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

We also offer Electrical Engineering programmes, including Electrical and Electronic Engineering, Avionic Systems and Mechatronics and Robotic Systems. See pages 116-125 for details.

## Aerospace Engineering BEng (Hons)

UCAS code: H425

Programme length: 3 years

The main aerospace engineering topics you'll study include aerodynamics, aero structures, flight dynamics and control, propulsion systems, communications, avionics and aircraft materials. The programmes include a two day flight test course in a Jetstream aircraft.

Year One includes a team project to design, build and fly a small aircraft or glider. You'll also study Structures, Fluid Mechanics, Thermodynamics, Maths, Electronics, Management, Design and Engineering Skills. In Year Two you will take modules in Aeroengines, Avionics, Computer programming, Maths, Dynamics, Structures, Design, Aircraft Performance and Project Management. In Year Three you will undertake an individual project providing the opportunity to conduct research and develop innovative concepts in your preferred technical area of interest. You also take modules in Aerodynamics, Flight dynamics and control, Aerostructures, Aeroengines, Avionics and Management and you can take optional modules in topics such as Spaceflight and Aircraft Design.

## Aerospace Engineering MEng (Hons)

UCAS code: H421

Programme length: 4 years

If you want to follow an extended degree programme that will enable you to become a Chartered Engineer, this programme will be your choice. The double-accredited (by the Royal Aeronautical Society and the Institute of Mechanical Engineers) four-year MEng degree satisfies the academic requirements for registration as a Chartered Engineer (CEng) and a European Engineer (Eur Ing).

The programme content is similar to the BEng programme up to Year Three, but in Year Four, you'll take modules in Flight Handling Qualities, Advanced Aerodynamics, Aerostructures and Aeroelasticity and also be able to choose options in topics such as Advanced Guidance Systems.

## Aerospace Engineering with Pilot Studies BEng (Hons)

UCAS code: H401

Programme length: 3 years

This programme is very similar to that of the BEng Aerospace Engineering degree programme (**H425**) but also introduces elements of pilot studies for students interested in becoming pilots.

In Year One the Pilot Studies module (based on the PPL ground school syllabus) complements the flight training programme of 20 hours which is mandatory. In Year Two the Pilot Studies module is based on the Air Transport Pilot's Licence (ATPL) ground school syllabus.

An additional fee of approximately £3,400 is required to cover the costs of the mandatory 20 hours pilot training.

## Aerospace Engineering with Pilot Studies MEng (Hons)

UCAS code: H402

Programme length: 4 years

The programme is very similar to the MEng Aerospace Engineering degree programme (**H421**), but includes the pilot studies modules in Years One and Two from the BEng Aerospace Engineering with Pilot Studies degree programme (**H401**).

An additional fee of approximately £3,400 is required to cover the costs of the mandatory 20 hours pilot training.



## Architectural Engineering BEng (Hons)

UCAS code: HK26

Programme length: 3 years

## Architectural Engineering MEng (Hons)

UCAS code: HK28

Programme length: 4 years

The Architectural Engineering degree is a multidisciplinary degree, encompassing Civil Engineering and Architecture. The degree programme will provide you with a multidisciplinary skill set to design building structures, bridges and critical infrastructure utilising not only the solid technical grounding that a typical civil/structural engineering degree provides but also a robust and wider appreciation of the architectural, societal, economic and environmental aspects associated to a particular design solution.

Working across both disciplines, Architectural engineers apply engineering principles to the planning, design and construction of the built environment. Architectural engineers are responsible for the design of different systems within a building or aspect of critical infrastructure with a particular focus on key areas such as:

- creating innovative design strategies to improve our cities and infrastructure
- structural integrity to sustain earthquakes, fires, vibrations, wind loading, explosions and impacts
- modelling and design of heating, ventilation and air conditioning systems to make an environment hospitable for the user
- acoustic performance and lighting design
- sustainability and energy efficiency.

The BEng/MEng Degree in Architectural Engineering is accredited by the Joint Board of Moderators for the Institution of Civil Engineers (ICE), Institution of Structural Engineers, Institute of Highway Engineers and The Chartered Institution of Highways and Transportation. It also satisfies the academic requirements for registration as a Chartered Engineer.

The degree programme will be jointly delivered by both the School of Engineering and the School of Architecture (the first School of Architecture to be granted full accreditation from the Royal Institute of British Architecture (RIBA)).

Architectural Engineering graduates are in great demand. Careers in Civil and Architectural Engineering offer the highest paid jobs for graduates in the UK (source: Telegraph 10 best paid jobs for graduates, Aug 2015).

## Civil Engineering BEng (Hons)

UCAS code: H200

Programme length: 3 years

This broad-based Civil Engineering programme provides sound academic training for the professional engineer. It is suitable for those who have not decided on an area of specialism and wish to explore a range of subjects under the overarching topic of Civil Engineering, or do not wish to pursue a four-year degree programme.

If you later wish to become a Chartered Engineer, you may transfer to one of our MEng programmes at the end of Year Two; otherwise, you will need to complete additional study as a matching section. This might involve an integrated programme of study, such as a Masters degree, and work with an employer.

Civil Engineering graduates are in great demand. Careers in Civil and Architectural Engineering offer the highest paid jobs for graduates in the UK (source: Telegraph 10 best paid jobs for graduates, Aug 2015).



## Civil Engineering MEng (Hons)

UCAS code: H202

Programme length: 4 years

---

This MEng programme is accredited by the Institution of Civil Engineers and satisfies the academic requirements for registration as a Chartered Engineer.

The MEng programme shares the same modules as the Civil Engineering BEng (H200) during the first three years. In Year Four you study more specialised fields of Civil Engineering at an advanced level including: bridge engineering, coastal and estuary processes and materials for sustainable construction.

## Civil and Structural Engineering MEng (Hons)

UCAS code: H220

Programme length: 4 years

---

This programme concentrates on a range of analysis and design methods using the principal structural materials of reinforced concrete, steel, timber and masonry. It covers both the theoretical background and the design implications of structural engineering and shares the same modules as the Civil Engineering BEng (H200) during the first three years. There is an emphasis on advanced analysis and design and you will have the opportunity to use state-of-the-art commercial design software such as Arup's Oasys GSA Suite, finite element packages such as ABAQUS and LS-DYNA, AutoCAD and CAD drawing packages such as Autodesk Revit.

## Engineering BEng (Hons)

UCAS code: H100

Programme length: 3 years

---

Following a broad first year of study covering all disciplines within the School, students on this programme will be required to transfer their registration onto one of the following three-year engineering programmes:

- Aerospace Engineering BEng (H425)
- Civil Engineering BEng (H200)
- Industrial Design BEng (3D52)
- Mechanical Engineering BEng (H300)
- Mechanical and Materials Engineering BEng (HJ35).

## Engineering MEng (Hons)

UCAS code: H101

Programme length: 4 years

---

Following a broad first year of study covering all disciplines within the School, students on this programme will be required to transfer their registration onto one of the following four year engineering programmes:

- Aerospace Engineering MEng (H421)
- Civil and Structural Engineering MEng (H220)
- Civil Engineering MEng (H202)
- Industrial Design MEng (6G11)
- Mechanical and Materials Engineering MEng (HJ3M)
- Mechanical Engineering MEng (H301).

## Industrial Design BEng (Hons)

UCAS code: 3D52

Programme length: 3 years

---

The three-year BEng Industrial Design programme brings together product design creativity with the technical knowledge and skills of engineering. Students develop as technically competent industrial designers, benefiting from the very latest in new product development techniques. The result is a modern engineering degree that will provide individuals with an excellent technical and creative grounding for a successful career in and around the exciting discipline of designing and developing new products.

The degree is strongly project-based. You will work on many design projects of increasing complexity. In Year One, you will also study core engineering subjects including Mechanics of Solids, Thermodynamics and Mechanics of Fluids, Electrical Circuits and Systems and Digital Electronics. Year One also includes first experience of a 'design, build and test' project.

## Industrial Design MEng (Hons)

UCAS code: 6G11

Programme length: 4 years

The MEng programme provides students with additional breadth in modern theory, methodologies and best practices in new product development.

It is a four-year MEng programme that gives you a broad and extended education at an advanced level, combining user-centred product design creativity with key aspects of engineering.

With a good knowledge of the process and management of design, graduates are well placed to play an important role in new product development, which is a top management priority in industry today.

Years One and Two of study are common with the Industrial Design BEng programme (3D52). Years Three and Four offer an enhanced learning experience with dedicated MEng design, development visualisation and simulation projects.

## Mechanical Engineering BEng (Hons)

UCAS code: H300

Programme length: 3 years

A degree in Mechanical Engineering is the basis for a career in a profession that offers an extremely wide choice of employment in a vast range of industries.

Four core subjects Thermodynamics, Fluid Mechanics, Solid Mechanics and Dynamics will form the backbone of your studies and give you a sound foundation in Mechanical Engineering principles.

## Mechanical Engineering MEng (Hons)

UCAS code: H301

Programme length: 4 years

If you want an extended education in Mechanical Engineering that will enable you to become a Chartered Engineer, this is the programme to choose as this four-year MEng degree satisfies the academic requirements for registration as a Chartered Engineer (CEng) and a European Engineer (Eur Ing).

Years One and Two are identical to the Mechanical Engineering BEng programme (H300). During Years Three and Four students complete individual and group projects working on research, design or development projects typical of those that young engineers may encounter in the engineering industry.

## Mechanical and Materials Engineering BEng (Hons)

UCAS code: HJ35

Programme length: 3 years

Engineering materials such as metal alloys, ceramics, polymers and composites form the building blocks of all the products we use and the environment that we live in. Materials Engineers are experts who are responsible for the selection of appropriate materials, engineering design, manufacturability and processing, environmental impact, quality control and product performance. Whole sections of industry, from aerospace and communications to healthcare and transport rely on their imagination and ingenuity.

## Mechanical and Materials Engineering MEng (Hons)

UCAS code: HJ3M

Programme length: 4 years

This four-year programme provides an extended education in Mechanical and Materials Engineering which is the preferred route to register as a chartered engineer. You will be taught by leading materials scientists and engineers who are also involved in the UK Centre for Materials Education and our programmes are all accredited by the Institute of Materials, Minerals and Mining.

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

UCAS code: H109

Programme length: 4 (1+3) years

This modular programme provides a four-year route to any of the BEng degree programmes currently available in the School of Engineering. There is a separate brochure outlining facilities at Carmel College and progression routes.





# English

As one of the highest-rated research-led English departments in the UK, we offer opportunities to study Literature from a wide variety of periods and genres, and a variety of approaches to understanding the ways in which the English language works. You will be taught by leading experts who draw on cutting-edge research to inform their teaching practice.

*The broad range of modules on offer in the Department is great as it really allows you to explore the areas that you find most interesting. I love Medieval Literature so having this specialism within the Department was key for me, but I have studied Literature from modern times all the way back to medieval.*

Laura Maines  
English BA (Hons)

## Good to know

### 166

Year One undergraduates in 2015

### 94%

find their programme "intellectually stimulating" and 98% considered their teachers to be enthusiastic about their subjects (NSS 2015)

### 10th

Ranked 10th in the UK for 4\* and 3\* research (REF 2014)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations

# Why choose English at Liverpool?

## Challenge yourself to look deeper

We will challenge you to engage fully with words and texts, informed by the best in critical thinking and debate. The flexible framework of our programmes allows you the freedom to choose areas of specialisation as you progress through your degree. Our Literature modules offer a diverse body of texts spanning historical periods from the medieval to the modern and introducing a range of critical concepts. Our Language modules explore the function of English language in its historical and modern day usage across a range of contexts and media.

## Explore English in all its breadth

Our Literature modules cover a wide and continuous range of writing in English, from the Middle Ages to the present, and including every major genre: drama, prose fiction, poetry, and nonfictional prose. In our module lists you will find titles as diverse as Children's Literature, Gothic Fiction and Film, Talking Pictures, Creative Writing, Women Writers, and Noir, alongside the more familiar modules in the large literary periods, such as Medieval, Renaissance, Victorian and Modernist Literature. Our Language modules offer a variety of approaches and subjects, with titles including Varieties of Northern English, Language in Society, Psycholinguistics and Language and Literature. There are also opportunities to study the interface between literature and film and narrative in graphic media.

## Share ideas in our small group tutorials

We are committed to small group teaching, with no more than nine students in a group for most of our modules. Increasingly fewer universities offer this. This encourages a more rewarding learning experience, with ideas shared and explored with your peers and tutors.

## Debate with leading academics in the field

Our tutors are all respected academics whose work is valued both nationally and internationally. Our teaching is research-led, which means not only will you be challenged intellectually but your own research skills will be fostered and encouraged.

## Develop the skills most valued by employers

Our English degree programmes develop skills valued highly by employers, such as critical thinking, analytical ability, communication skills, creativity, project design and teamwork. From Year Two, we offer students the chance to gain invaluable experience through our work experience and study abroad opportunities. Besides taking our dedicated work experience module, many English students are involved in activities within the University or work locally with the support of our award-winning careers service. Our graduates use these skills to pursue careers in a wide range of fields including journalism, law, marketing, education, heritage, tourism and many more.

## Study abroad

Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Students of English can currently apply to the University of Leiden under the Erasmus+ scheme, or to one of our many other worldwide partners in Canada, America, Hong Kong or Australia. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including English, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

### How you learn

You will experience a mix of lectures, seminars, workshops and tutorials, with no modules being taught entirely through lectures. Alongside independent study and research, some modules require timetabled student group work. We provide an online programme of study skills to help with the necessary standards of referencing and presentation in written work. All our Year One modules have tutorials to follow up on the lectures, so you have plenty of opportunities to contribute to discussion and to develop material presented in lectures. Seminar groups are larger, but do not normally exceed 18; they usually last for between one and a half and two hours; workshops are similar in size but have a more distinct practical element (eg in drama or language modules). In addition, in Years Two and Three, you will participate to a greater or lesser extent in a range of other formative activities: seminar presentations, creative writing and peer teaching.

### How you are assessed

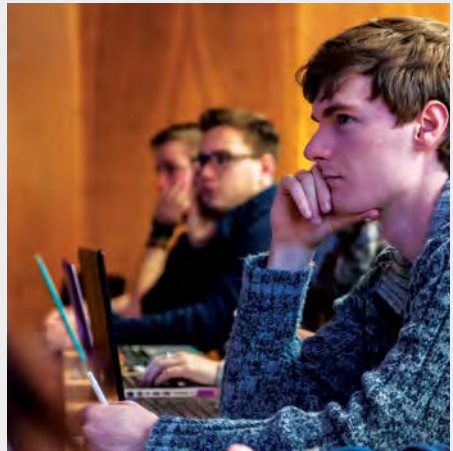
The main modes of assessment are through a combination of essay and examination, but depending on the modules taken you may encounter project work, presentations (individual or group), and portfolios of creative work or specific tests focused on editing, translation or etymological tasks.

### Which degree

There is a wide choice within the programmes that we offer, and you can design a pathway to accommodate your particular interests, whether it be Language, Literature or Creative Writing. A degree programme in English will develop your ability to craft informed, sensitive and eloquent responses to texts. In doing this, the programme will not only broaden your intellectual, cultural and emotional horizons, but will deepen your skills of analysis, independent critical enquiry, aesthetic sensitivity, presentation of ideas and use of language. All of our programmes share a similar Year One structure in order to develop key skills, explore new ideas and prepare for specialisation in Years Two and Three.

### Work experience opportunities

We offer a 30 credit, year-long module (SOTA300) which incorporates placement with a local company, group or institution related to English, providing practical/vocational experience. We have recently organised placements at significant local institutions such as The Athenaeum and Liverpool University Press.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>English BA (Hons) Q300</b> 3 years  100 75 50 25	AAB-ABB	35-33	Applications considered	140
<b>English Language BA (Hons) Q310</b> 3 years  75 50 25	AAB-ABB	35-33	Applications considered	140
<b>English Literature BA (Hons) Q320</b> 3 years  100 75 50 25	AAB-ABB	35-33	Applications considered	141

All programmes require A level English (Language, Literature or Language and Literature) at grade A.

BTEC in a humanities-related subject plus A level English at grade A required.

## English BA (Hons) 100 75

**UCAS code: Q300**

Programme length: 3 years

Our English degree programme gives you the flexibility to combine the study of Literature and Language in a balance that suits you. You can maintain an equal balance of both subjects throughout your degree, or you can choose to specialise in either Literature or Language. We offer Literature modules covering a wide range of texts, genres and themes from the early medieval period to the present day. Our Language modules aim to provide understanding of the historical, social and psychological factors that shape the English language used in everyday life.

In each year of a Major (75%) English programme, you will choose 90 credits from our range of English modules.

## English Language BA (Hons) 75

**UCAS code: Q310**

Programme length: 3 years

Our English Language programme aims to develop your understanding of the ways in which language works in the world. You will gain insights into the ways in which the language we use in everyday life is shaped by factors such as history, culture and psychology. You will study a range of approaches to the analysis of language with tutors who are active and innovative researchers in the field.

In each year of a Major (75%) English programme, you will choose 90 credits from our range of English modules.

100 75 Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 50 25 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

## English Literature BA (Hons) <sup>100 75</sup>

UCAS code: Q320

Programme length: 3 years

Our English Literature programme gives you the opportunity to study a wide range of literary forms, genres and themes from the early medieval period to the present day. You will gain insights into the ways in which literatures in English have developed through history, while also having the opportunity for in-depth study of genres such as Children's Literature, Noir and Gothic Fiction.

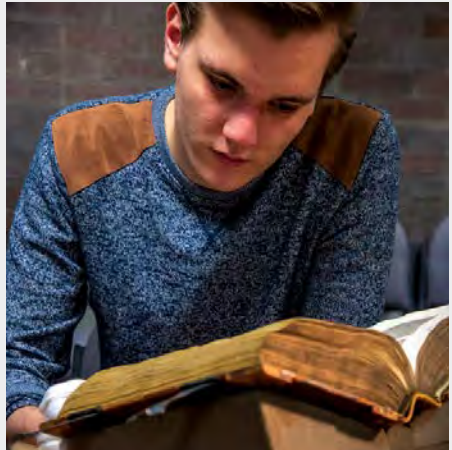
In each year of a Major (75%) English programme, you will choose 90 credits from our range of English modules.

## English, English Language or English Literature Joint <sup>50</sup>

Combining English with another subject allows you to take advantage of the range of choice available on our English programmes while also developing your interests in another subject. In Year One, you will take modules aimed at developing the skills necessary for advanced study. From Year Two, you will choose from a range of Literature modules that focus on specific periods, genres or themes, and Language modules that develop your understanding of the ways in which language works in the world. In each year, you will take 60 credits of English and 60 credits from your other subject choice(s).

## English, English Language or English Literature Minor <sup>25</sup>

English is a flexible subject open to many influences from its wider culture (eg politics, philosophy, history) and from other art forms (such as film, music, or digital media). As such, a 25% English programme will complement any other choices that you make. We cover a wide range of literary writings in English, from the early medieval period to the present day, and a variety of approaches to understanding the way in which the English language, written and spoken, works. In each year, you will take 30 credits of English from our range of 15-credit and 30-credit modules.





# Environmental Science

Understanding the complex interactions between the physical and biological environment is essential if we are to find solutions to the increasing global environmental challenges that face us today. This practical degree, focusing on real-world issues, will prepare you to play your part in tackling those challenges.

*I have found that I am learning and understanding ideas in a more in-depth way and linking the theory we are taught about within our modules to everyday situations such as environmental crises on the news.*

**Matthew Shore**  
Environmental Science BSc (Hons)

## Good to know

### 100%

of our students said staff are good at explaining things (NSS 2015)

### 100%

of our students agree staff are enthusiastic about what they are teaching (NSS 2015)

### 91%

are satisfied overall with their programme (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Environmental Science BSc (Hons) F750</b> 3 years	ABB <sup>①</sup>	33	D*DD in relevant diploma	144

**F750** requires two sciences (Geography, Geology, Environmental Science Studies, Biology, Chemistry, Physics or Mathematics) at A level. Environmental Science accepts the Extended Project Qualification (EPQ) where students are taking this in addition to A levels. Applicants with an EPQ will be given a standard offer for the programme of their choice and an alternative offer which will be one grade lower plus an A grade in EPQ.

<sup>①</sup> BBB offer with an A in EPQ.

## Environmental Science BSc (Hons)

UCAS code: F750

Programme length: 3 years

Our Environmental Science degree provides a wide breadth of study opportunities from across the School of Environmental Sciences. Our degree is designed to give you an understanding of both natural and human induced environmental problems. All of our modules centre on real world issues and application, such as food security, climate change, energy security, pollution and natural hazards. In addition to bespoke environmental science classes, our degree allows you to choose from a range of modules in biology, ecology, physical geography, and climate and ocean sciences, so that you can shape your degree to suit your particular areas of interest and career pathway.

Focusing on applied skills that are relevant to careers in Environmental Science, you will gain expertise in monitoring, modelling and managing the environment.

From your first week to your final year, field classes and laboratory practicals are an integral part of your learning, and provide a firm grounding in the latest techniques and technologies in Environmental Science. You will learn through a combination of individual and group work, including practicals in our purpose built (£23 million) Central Teaching Laboratories.

In addition to making the most of Liverpool's coastal location, you will have the opportunity to undertake fieldwork in locations such as Snowdonia, Pembrokeshire, Peak District, Portugal and California.

### Study abroad

Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Students can currently apply to one of our many worldwide partners in Canada, America, China or Australia. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

### Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Environmental Science, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.



# Geography

Geography offers unique insights into many of the most pressing issues facing the world in the 21st century, such as globalisation, geopolitics, climate change, sustainability, health, economics, population, hazards, pollution and natural resource management. Our degrees are intellectually stimulating and will help you to develop as an independent learner with the key skills for your future career.

*Geography is a subject that is relevant to everyday life. The way the world functions on a physical level alongside how we as humans have contributed to its development is fascinating, so the really good thing about Geography at Liverpool is that we aren't limited to either human or physical geography and we are given the choice to interchange modules.*

**Isabel Saklawka**  
Geography BA (Hons)

## Good to know

### 200

Year One undergraduates on average across BA and BSc Geography

### 100%

of our students find staff enthusiastic about what they are teaching (NSS 2015)

### 95%

of students graduated with a First Class or 2:1 degree in 2015



Offers study abroad opportunities



Offers a Year in China



# Why choose Geography at Liverpool?

## Benefit from an award-winning learning environment

We have invested heavily in teaching facilities, including the £23 million award-winning Central Teaching Laboratories (CTL). This state of the art learning environment includes a dedicated laboratory and access to computing and flexible teaching spaces. The CTL houses much of our industry-standard equipment, providing a second to none learning environment. Our Geographical Information Systems/Cartography suite houses a computing centre, and is one of the few remaining staffed map collections in the country, containing over 100,000 maps, 600 atlases and access to digital data.

## Shape your degree with flexible programmes and choice of modules

Both our BA and BSc degrees in Geography are flexible. You can choose to specialise in physical or human geography, or to maintain a mixture throughout your degree. You can also take modules from outside Geography, and many students value the opportunity to keep up an interest in another subject area as part of their Geography degree. We are there to advise you on good module combinations, but the choice is up to you.

## Study a subject with relevance to the world now

One of our recent graduates summarised our Geography degree as “a programme that not only teaches you about the world but makes you want to change it”. All of our academic staff are involved in research that relates to, and is informing, contemporary policy debates and challenges. This research feeds into our teaching, so studying a Geography degree at Liverpool means that you will learn about, and develop the techniques and understanding to address key contemporary political, societal and environmental concerns.

## Study in a city ideal for Geography

Liverpool as a city has undergone significant change in recent years. Named Capital of Culture in 2008, it has the fastest growing productivity of any major city in the UK outside London. Liverpool is situated alongside a fascinating and dynamic marine and coastal environment, including the world-renowned Sefton Dunes and River Mersey. Liverpool is both an exciting place to live and work, and the ideal place to study human and physical geography as the dynamic physical, social and political landscapes are evident within the city-region itself.

## Be part of a friendly and supportive community

Geographers at the University of Liverpool are not only leaders in their fields, but according to current students are also friendly, enthusiastic and supportive. Teaching is of equal importance to research in the Department and academic staff at all levels are engaged in undergraduate teaching.

## Enhance your studies with fieldwork

We are renowned for the unparalleled fieldwork experience we offer our undergraduates. From your first week to your final year, field classes are an integral part of your learning. In addition to making the most of Liverpool's location we boast truly excellent field trips to destinations including Santa Cruz (California), Singapore, Barcelona, Lorca (Spain), Portugal, Glasgow, Cardiff, Edinburgh, The Lake District and mid-Wales. Field classes are not only important for learning skills and developing geographical knowledge, but also help foster a strong geographical community of students and staff. There is also the opportunity to undertake final year dissertation fieldwork abroad. Students have, in recent years, accompanied staff on research expeditions to Iceland, Sweden and Norway and others have arranged their own dissertation research, with the support of staff, in countries including the USA, India, Thailand, Cambodia, Vietnam, Germany, and many others.

## Study abroad

As part of your Geography degree programme you have the opportunity to spend a semester studying abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Geography students can currently apply to study with one of the many worldwide partners we share links with. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Geography, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Geography is a subject that bridges the social and physical sciences. Those studying geography develop transferable knowledge and skills which open up a wide range of career opportunities. For this reason, it was listed amongst the top ten recession-proof degrees by the Daily Telegraph.

The tutorial system operating in all three years is specifically designed to provide support in the development of key transferable skills and important elements of career planning (including CV and interview skills, internship applications and skills audits, among others). Our Geography degrees are constantly reviewed, in consultation with employers, to ensure that graduates leave with the key skills required to compete in the global workplace. This includes setting you non-traditional assignments, such as writing policy briefs and bringing employers and graduates into the university to meet and advise you.

Combined with the high regard in which our qualifications are held, this has enabled recent graduates to embark on rewarding careers with a broad range of public and private sector organisations. Some are putting their geographical knowledge to direct use working in jobs such as environment assistant for the Environment Agency, ranger, government researcher, resource planner and in business development. Other graduates are putting the transferable skills they have gained into practice in careers such as accountancy, teaching and management, and a significant number join graduate training programmes in major organisations.

## How you learn

To help you meet the intellectual and practical challenges of studying Geography, our programmes are taught using a student centred approach, involving a range of learning experiences. These include:

- Small tutor groups (typically eight students) through all years
- High levels of field based learning within the UK and abroad
- An emphasis on active, problem-based learning ('learning by doing')
- Hands-on experience of cutting-edge laboratory technologies in Physical Geography
- Innovative GIS, statistical and qualitative research methodologies and community consultation in Human Geography
- Supervised independent and group project work, including (for Single Honours degrees) a final year independent research-based dissertation supervised by a dedicated expert in the field.

## Which degree

The **BA** and **BSc** programmes in Geography are designed to give you the opportunity to pursue pathways in Human or Physical Geography, or take advantage of our flexible programmes and combine the sub-disciplines throughout your degree. We offer specialised modules informed by research at the forefront of debates in Human and Physical Geography, along with modules which allow you to explore the interaction between society and the environment.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Geography BA (Hons) L700 3 years</b>	ABB ①	33	D*DD In relevant diploma	151
<b>Geography BSc (Hons) F800 3 years</b>	ABB ①	33	D*DD In relevant diploma	151
<b>Geography and Planning BA (Hons) L7K4 3 years</b>	ABB ①	33	D*DD in relevant diploma	151
<b>Geography BSc (Hons) (4 year route including a Foundation Year at Carmel College) F808 4 (1+3) years</b>	②			151
<i>Degrees offered with other departments</i>				
<b>Environmental Science BSc (Hons) F750 3 years</b>		See Environmental Science		144
<b>Geography and Oceanography BSc (Hons) FF78 3 years</b>		See Ocean Sciences		243
<b>Geology and Physical Geography BSc (Hons) F6F8 3 years</b>		See Earth Sciences		108
<b>Geology and Physical Geography MEdSci (Hons) FF68 4 years</b>		See Earth Sciences		108

**L700** requires Geography A level or an A level in another social science subject. **F800** requires Geography A level or an A level in another science subject. Geography accepts the Extended Project Qualification (EPQ) where students are taking this in addition to A levels. Applicants with an EPQ will be given a standard offer for the programme of their choice and an alternative offer which will be one grade lower plus an A grade in EPQ.

① BBB offer with an A in EPQ.

② Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.



**Geography BA (Hons)****UCAS code: L700**

Programme length: 3 years

Globalisation, geopolitics, population, and sustainability are amongst the largest challenges confronting society in the 21st century. Geography enables you to understand these issues and the ways in which they shape the world. Our degree programmes help you develop expert knowledge and skills to interrogate the range of different approaches to, and perspectives on, these issues, as well as the ability to understand how they interact.

**Geography BSc (Hons)****UCAS code: F800**

Programme length: 3 years

Our BSc degree addresses important questions about whether the planet's natural resources are able to sustain an increasing population, how physical earth systems respond to human activity and changing climate, how we manage resources, and how we live with environmental change. If you are interested in environmental issues and like the idea of addressing problems on global and local scales, then this is the programme for you.

**Geography and Planning BA (Hons)****UCAS code: L7K4**

Programme length: 3 years

Students gain an in-depth understanding of the practical and theoretical aspects of Geography and planning. Consideration is given to the ways that rural and urban areas reconcile conflicting interest and adapt to economic, social and environmental change. An interdisciplinary approach to study provides learning opportunities that draw upon the expertise of academics in both Planning and Geography as well as Sociology and Architecture.

**Geography BSc (Hons)****(4 year route including a****Foundation Year at Carmel College)****UCAS code: F808**

Programme length: 4 (1+3) years

Interested in studying for a BSc (Hons) Geography degree, but feel that you lack the appropriate science background or have a non-standard academic background? Then here is a programme that's been designed for you. Your Foundation Year is spent at Carmel College, after which studies transfer to the main University site. The College offers small class sizes and high standards of academic achievement that are moderated by University staff. For more information contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk)



# Health Sciences

We draw on over 100 years of teaching delivered by dedicated staff with real-world, practical experience and are the hub for an extensive network of professionals, academics and researchers. So you can be confident that a degree from the School of Health Sciences will prepare you for a lifelong career making a difference in today's multidisciplinary, patient-focused healthcare services.

*Clinical placement within the radiography department is different every day, you never know what to expect or what challenges you will face which is great because it makes it much more interesting and rewarding. It is also a great opportunity to put the academic knowledge you have gained in lectures into practice and see how procedures can differ depending on the patient.*

**Aliyah Nicole Raishbrooke**  
Diagnostic Radiography BSc (Hons)

## Good to know

### 273

Year One undergraduates in the School of Health Sciences in 2015

### 93-100%

overall satisfaction rates on our programmes (NSS 2015)

### 3rd

for Nursing – Sunday Times/Times University Guide and Complete University Guide 2014



Offers study abroad opportunities





# Why choose Health Sciences at Liverpool?

## Strengthen your career prospects through our practical and professionally focused programmes

You will benefit from our experience in delivering over 100 years of teaching across six undergraduate programmes of study in a dynamic research-led School. Our student satisfaction rates, which range from 93-100%, are testament to the School being a great place to start to your career.

## Learn from experienced, registered, working practitioners

You will be taught by staff with a great deal of practical experience and academic knowledge, who foster an approach of continual professional development that will serve you well throughout your career.

## Interact with leading healthcare organisations

You'll be taught a curriculum that is developed and assessed by leading healthcare providers, such as The Christie NHS Foundation Trust, Rosemere Cancer Centre, Royal Preston Hospital, and The Clatterbridge Cancer Centre NHS Foundation Trust. Many such partners across the North West provide you with exciting placement opportunities.

## Bring your learning to life through clinical experience

You will gain a breadth of patient-focused practical experience in a region that has a particularly diverse population, helping you bring your learning to life and providing an invaluable insight to future roles.

## Prepare for practice by studying with professionals from across the Health Sciences

Supported by the very latest in technological facilities, you'll benefit from the shared learning the School's six undergraduate programmes facilitate. Inter-professional modules reflect the multi-profession, team approach that you will encounter in today's healthcare settings.

## Build relationships with committed and enthusiastic teaching staff

Our friendly, supportive staff will enable you to reach your full career potential, both as a graduate and a lifelong learner with the School.

## Study abroad

Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Occupational Therapy and Physiotherapy students can currently apply to undertake clinical placements abroad. In Year Three Diagnostic Radiography students can apply to undertake a two week elective abroad (self-funded). For more information visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Which degree

If you are interested in diagnosing diseases using the very latest technology and medical imaging techniques, then you should choose a degree in **Diagnostic Radiography**. If you wish to pursue a career in the use of occupation as a therapeutic medium, then a degree in **Occupational Therapy** will suit you. Those keen to apply scientific knowledge of the eye and brain to clinical care, investigate the intricacies of the human visual system should follow the **Orthoptics** programme. If you are drawn to a career in primary care and hospitals, you might consider a degree in **Nursing**. If you want to focus on rehabilitation of physical problems associated with accidents, illness or aging, then **Physiotherapy** may be for you. To use your technical skills and caring nature to fight cancer and make a genuine difference to cancer patients then choose **Radiotherapy**.

## Your future

As a graduate of the School of Health Sciences you'll be eligible to apply for registration with the Nursing and Midwifery Council (NMC) or the Health and Care Professions Council (HCPC). You can look forward to a career in the National Health Service, Social Services or the private sector.

You will have gained a qualification that meets the Government's criteria for 'fitness for purpose' and 'fitness for practice' as well as developing transferable skills such as communication, information technology, problem solving and teamwork.

### Nursing

The Directorate of Nursing is currently 4th in the Complete University Guide 2016, and in the 2016 National Student Survey the Directorate of Nursing was awarded a rating of 97% for student satisfaction and 100% for graduate employment/further study.

### Orthoptics

A recent National Student Survey awarded the Directorate of Orthoptics and Vision Science a rating of 100% for student satisfaction. Orthoptic graduates will be eligible to apply for statutory registration with the Health and Care Professions Council (HCPC) and look forward to a career as an Orthoptist in an eye care team in the National Health Service.

### Physiotherapy

Physiotherapy graduates are eligible to apply for membership of The Chartered Society of Physiotherapy and the Health and Care Professions Council (HCPC). There are many employment opportunities for physiotherapists to work in a wide range of clinical settings, from paediatrics to older persons' care. Many graduates choose to work in the NHS, but others may decide to find employment in industry, private practice, sport, research or teaching. Your UK qualification also provides an opportunity to work abroad in many countries.

### Occupational Therapy

Occupational Therapy graduates are eligible to apply for membership of The College of Occupational Therapy (COT), the Health and Care Professions Council (HCPC), and the World Federation of Occupational Therapy (WFOT) to work outside the UK. Your qualification allows opportunities to build a career in the NHS and Social Services with a wide range of specialties from mental health and physical conditions across all ages. You may also choose to work in private practice, independent health care, charities or commercial companies.

### Diagnostic Radiography

On successful completion of the programme graduates will be eligible to apply for registration with the Health and Care Professions Council (HCPC). This will allow you to practise as a diagnostic radiographer. You can look forward to an exciting and rewarding career at the centre of modern medicine within the NHS or the private sector. The programme has an excellent record of graduate employment and the degree is also internationally recognised and highly respected.

### Radiotherapy

With an ageing population and improved cancer detection techniques, there is a high demand for suitably qualified healthcare professionals to support cancer patients. As a radiotherapy graduate you will be a respected health professional in one of the most rewarding and stimulating health professions and will be eligible to apply for statutory registration with the Health and Care Professions Council (HCPC) and become a member of the Society of Radiographers. This programme has an excellent record of graduate employment within the NHS and our graduates are well respected and valued in the UK and internationally.

### How you learn

Learning is promoted through a wide variety of activities that enable students to become autonomous and continuous learners. Interactive lectures, practical and clinical skills group work, simulation, directed study, role play, problem-based learning, small group work, student-led seminars, collaborative project work and interactive tutorials are key learning strategies of the programmes. Practical work using our imaging suite digital equipment, 3D virtual reality radiotherapy facility, Clinical Skills Resource Room and the Human Anatomy Resource Centre complement teaching activities. Face-to-face interactions between all students will occur at shared lectures, tutorials and group work and online interaction will be encouraged and facilitated. There are also interprofessional education and learning opportunities across all healthcare professions programmes.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Diagnostic Radiography BSc (Hons) B821</b> 3 years	BBB	30	BTEC Subsidiary Diploma ①	157
<b>Nursing BN (Hons) B700</b> 3 years	BBB	30	BTEC National Extended Diploma (Multi-Professional Cadetship only) ②	157
<b>Occupational Therapy BSc (Hons) B920</b> 3 years	BBB	30	BTEC Subsidiary Diploma ①	157
<b>Orthoptics BSc (Hons) B520</b> 3 years	BBB	30	BTEC Subsidiary Diploma ①	158
<b>Physiotherapy BSc (Hons) B160</b> 3 years	AAB	32	BTEC Subsidiary Diploma ①	158
<b>Radiotherapy BSc (Hons) B822</b> 3 years	BBB	30	BTEC Subsidiary Diploma ①	158
<b>Foundation to Health and Veterinary Studies (Year 0)</b> ③				158

See page 158 for UCAS codes 1 year

**B821** and **B822** require a grade B at A level in Biology, Human Biology, PE, Physics or Maths. **B520** requires Biology A level grade B. **B160** requires Human Biology, Biology or PE at A level grade B. **B700** prefers a biological science A level. **B920** requires Health and Social Care, Psychology, Sociology or Biology at A level. **B821**, **B700**, **B920**, **B520** and **B822** require five GCSE's including grade B in a science, Maths and English. **B160** requires seven GCSE's at grades A\*-B, including grade B in two science subjects, Maths and English. See [www.liverpool.ac.uk/healthsciences](http://www.liverpool.ac.uk/healthsciences) for more detailed entry requirement information.

- ① We will only accept one Subsidiary Diploma at a minimum of Distinction. In addition, two A levels at a minimum of grade B, for programme specific A level requirements see our website. BTEC Applied Science and BTEC National Extended Diploma will not be considered.
- ② DDD with 120 out of 180 credits at Distinction at the end of second year and six GCSEs at a minimum of grade B/C, Science, Mathematics and English must be at grade B. BTEC Applied Science will not be considered.
- ③ Foundation programmes have flexible entry requirements. Contact Sean Hollywood E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) for details.



**Diagnostic Radiography BSc (Hons)****UCAS code: B821**

Programme length: 3 years

This is a vocational programme with a large amount of clinical practice throughout the three years. The aim of this programme is to equip you with the knowledge, skills and attributes you will need to meet the challenges of being a competent and caring diagnostic radiographer working at the centre of modern medicine. You will develop knowledge of human anatomy and the way the body works, both in health and disease.

As well as becoming a competent radiographer, you will learn about the physical, psychosocial and environmental factors that influence the patient radiographer interaction. The primary objective of the programme is to provide the necessary understanding, knowledge, attributes and skills required to undertake appropriate diagnostic imaging examinations in a variety of clinical circumstances.

**Nursing BN (Hons)****UCAS code: B700**

Programme length: 3 years

The overall aim of this programme is to equip you with all the knowledge, skills and attributes you will need to meet the challenges of being a nurse in the changing context of health care and to succeed in the modern National Health Service. This degree provides students with lifelong learning and working opportunities as well as a strong focus on nursing leadership. You will gain valuable theoretical knowledge alongside practical experience. The cohorts are small and this helps to ensure that our students receive the support they require to help them to get the best out of the programme.

Throughout the three years, you will gain extensive clinical experience in a variety of different settings, including hospital wards, clinics, community settings, critical care and palliative care. There is a global placement incorporated into Year Two to identify the public health needs of communities both in local and global settings.

**Occupational Therapy BSc (Hons)****UCAS code: B920**

Programme length: 3 years

The Occupational Therapy programme at Liverpool will equip you with a range of both academic and practical skills for a rewarding career that enhances the quality of life for a variety of people encountering physical, emotional and social difficulties.

You will be taught by respected academics with a breadth of clinical and research experience and will graduate with up to date knowledge. You will learn about the human body and use the impressive Human Anatomy Resource Centre. This knowledge will help you learn about disease and disability and how they impact on the ability to engage in everyday meaningful occupation.

Throughout the three years you will undertake clinical placements. We have extensive connections with a diverse range of clinical specialties in both physical and mental health, for all age groups from young children to the elderly in our student placements. There are also opportunities for you to study abroad.

Over 1,000 hours of clinical experience, together with the theoretical knowledge gained from the course, will enable the Liverpool graduate occupational therapist to competently analyse the psychosocial, physical and environmental factors in the lives of the people in their care and devise appropriate intervention to help them.

The programme has recognition from the World Federation of Occupational Therapy (WFOT) and the College of Occupational Therapy (COT), both of which are important for international job opportunities.



## Orthoptics BSc (Hons)

UCAS code: B520

Programme length: 3 years

---

The Orthoptics programme aims to develop your knowledge of how the vision system works, binocular vision involving how the eyes work together, and eye movement systems including the importance of assessing ocular motility. In addition, you will focus on the fundamentals of the nervous system, neuro-anatomy and physiology, and where it relates to the practice of Orthoptics.

This background knowledge will enable a graduate orthoptist to perform as a competent and reflective practitioner and be a valuable member of the eye care team.

The Orthoptic programme will equip a graduate with the skills to diagnose and manage conditions which may present in a range of patients from newborns to the elderly, eg strabismus (eye misalignments), amblyopia (sometimes called lazy eye), traumatic injuries, tumours, head injuries, diabetes and strokes.

## Physiotherapy BSc (Hons)

UCAS code: B160

Programme length: 3 years

---

This demanding, full-time programme teaches you how to diagnose and holistically treat a wide variety of clinical problems. The curriculum is designed to reflect current practice with research evidence underpinning all aspects of teaching.

A broad range of learning opportunities ensures that learning is accessible to students expressing different learning styles and preferences.

Alongside academic and professional skills you'll gain an excellent range of practical experience with our unique approach to practice placement provision. The programme at Liverpool will encourage you to become dynamic and patient-focused with the skills required for lifelong learning.

## Radiotherapy BSc (Hons)

UCAS code: B822

Programme length: 3 years

---

With an integrated approach enabling you to relate your academic work closely to your clinical experience, this programme aims to produce competent, caring therapeutic radiographers, who are able to work at the interface between the latest in medical technology and the cancer patient. The programme will provide the skills and knowledge to enable you to become a professional capable of delivering first class cancer care. You will learn about the nature and development of cancer, the role radiation plays in its management and gain the clinical skills necessary to care for your patients on a daily basis.

## Foundation to Health and Veterinary Studies (Year 0)

UCAS codes:

Diagnostic Radiography: 4ASC

Nursing: Y4AS

Occupational Therapy: 47OH

Orthoptics: P0HG

Physiotherapy: 4RAD

Radiotherapy: 0W21

Programme length: 1 year

---

The University of Liverpool, in collaboration with local FE partners, has developed a Year Zero foundation programme for Home/EU students that leads to access onto a variety of vocational Health Studies programmes. Students seeking entry to Dentistry, Medicine, Nursing or the Allied Health Professions and Veterinary Science study at the Sixth Form College, Birkenhead or Carmel College, St Helens.

Please note that application to this programme is through UCAS, which is specifically targeted at Home/EU mature and non-traditional students who typically have taken a break from studies.

For further information please contact  
Sean Hollywood on T: +44 (0)151 794 9490  
E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk)



Health Sciences [www.liverpool.ac.uk/healthsciences](http://www.liverpool.ac.uk/healthsciences)

# History

The past is a fascinating subject – at Liverpool we bring it to life. If you have a genuine curiosity about history and a desire to develop a set of advanced skills in a challenging but supportive learning environment, History at Liverpool is the place for you.

*There is such a variety of topics to study, from modules on the American slave trade to ancient warfare and medieval Rome. I have improved my knowledge on topics I was already interested in and also delved into specialisms I'd never covered before, finding new areas of interest. The staff here genuinely care about their students and are always available if you require any extra help. The History Department at Liverpool definitely go the extra mile for their students.*

**Kelly O'Neill**  
History BA (Hons)

## Good to know

### 260

Year One undergraduates in 2015

### 19th

for History – The Guardian University Guide 2015

### 90%

are satisfied overall with their programme (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose History at Liverpool?

## Engage with internationally renowned lecturers

You'll learn from lecturers that are internationally recognised leaders in their fields, and their vast knowledge and excellence runs through into their teaching, and does so with unrivalled passion. You will not only be taught the fundamentals of your subject but our 'research-led' ethos means that you will work closely with your lecturers to unlock the debates and problems that lie at the heart of current historical research. You'll also work alongside staff to develop the skills to present your ideas to the wider community; for example through blogging, films, theatre productions and museum exhibitions.

## Benefit from innovative and flexible study options

Through your degree you'll be taught and supported by your tutors to use fascinating and unusual sets of primary source material focusing on a mixture of topics from high politics, statecraft and international relations to social and cultural history.

## Develop academically and professionally by exploring our wide range of learning approaches

We have innovative teaching and learning methods to help you gain and develop the key skills you need to analyse, document and present information effectively, both individually and as a part of a team. We will provide you with access to a suite of digital resources, allowing you to quickly become an active researcher by gathering and analysing new sources. The rapid growth of online archives has transformed the possibilities for research in modern cultural and social history; we can now gather sets of primary sources in weeks that would previously have taken years to collect. For you, this opens up tremendous possibilities, as you will be able to undertake new forms of research, developing skills of analysis and interpretation, as well as data-collection. In establishing these skills you will benefit while you are studying here and in preparation for future employment.

## Study in a city where history is brought to life

You'll be studying and living in the city of Liverpool, a city connected to some of the great stories and dramas of the past: war, civil war and empire, the migration of millions of Britons and Irish to the Americas, the enslavement and shipping of millions of Africans to the new world, and the growth of new forms of commerce and industry that transformed the old world. When you walk around campus and the city, the echoes of the past are everywhere, from the wonderful Georgian surroundings of Abercromby Square to the musical, intellectual, artistic, sporting, commercial and maritime legacies that have shaped this city.

This unique setting on our doorstep shapes your degree, puts the city of Liverpool at the centre of some of our modules and offers you the chance to work with local curators and activists.

## Be supported in small teaching groups

You'll be taught in small teaching groups and fully supported throughout your studies by your academic tutors to achieve the highest level of independent work.

## How you learn

Small group seminar teaching is a vital part of all of our modules and you will have the opportunity to pursue independent work to a very high level. In many modules our students are introduced to team-work through the use of 'buzz groups' or joint projects. Modules combine a range of different teaching techniques which include various combinations of lectures, seminars and tutorials. You will also conduct independent study and research, using the University library's extensive resources. Modes of assessment test your capacity to present material orally and to write effectively, either with extensive preparation in coursework, or with immediate readiness in examinations. In Year Three, longer pieces of work test your research skills. Written and oral feedback on your assessment will help you improve your study skills and understanding of the past: you are always welcome to discuss your work with your module tutor in their office hours or by appointment.

## Your future

According to the Association of Graduate Recruiters, employers are looking increasingly for 'softer' skills such as team-work, informed judgement, cultural awareness and leadership. A History degree from Liverpool offers you the opportunity to develop this enviable range of skills, offering a flexible platform on which to base a vast array of career options.

Our graduates progress to a range of careers including banking; law; financial consultancy; retail management; national and local government; charities; journalism; publishing; arts; heritage and culture organisations; teaching in schools and universities; archives and records management.

## Honours Select

History combines very well with many other subjects including: Politics, English, Modern Languages, Ancient History and Economics.

## Study abroad

As part of your History degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. History students can currently apply to study abroad at the University of Maryland, USA, Charles University, Prague, or at one of our many other worldwide partners. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including History, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>History BA (Hons) V100</b> 3 years <span>100</span> <span>75</span> <span>50</span> <span>25</span>	AAA-AAB	36-35	Applications considered <sup>①</sup>	164

<sup>①</sup> BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.

## History BA (Hons) 100 75

**UCAS code: V100**

**Programme length: 3 years**

You will start by exploring a broad range of historical periods – some of which may be less familiar – giving you a good basis for making choices later in the degree. You will also have the opportunity to experience a wide variety of approaches to history and you are free to study aspects of the past that interest you the most. For instance, some modules focus on political history or the history of warfare. Others place the emphasis on social and cultural history, drawing on perspectives inspired by disciplines such as Sociology and Anthropology. You might also take modules on global history or ones that focus on national histories, whilst others will allow you to explore particular themes, such as slavery, human rights, the environment or the cold war. The degree programme is designed to move from breadth to depth, from directed to more independent learning and to foster the development of advanced research techniques over the three years.

## History Joint 50

The Joint (50%) in History covers the skills you need as a historian and offers a lot of flexibility to choose the combination of topics that best complements your interests. History combines very well with many other subjects. Examples of popular Joint Honours combinations are History and Politics (**LV21**) and English and History (**QV31**).

## History Minor 25

History combines very well with many other subjects, such as Politics, English, Modern languages, Ancient History and Economics. The Minor (25%) in History gives you the flexibility to explore those topics that best complement your Major subject.



100 75 Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 50 25 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

**i** For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)



# Irish Studies

As a modern European nation with a fascinating, although often turbulent, past, Ireland represents an ideal prism for the study of history, literature, and politics. You will not only explore the role of Ireland as an emerging independent nation, but will also understand its part in a broader matrix of British and global history. The interdisciplinary nature of the programme provides an interesting and rewarding engagement with this nation's true personality, to set aside the simplified and stereotypical view of Ireland and its peoples and to focus instead on the diversity and plurality that inform Irish identity.

*The Institute of Irish Studies at Liverpool is highly renowned and has excellent links with the Irish government. We are invited to regular guest lectures and debates and attending such events has really widened my knowledge, enabling me to become acquainted with subjects peripheral to the topics covered in lectures and seminars and enhancing my understanding of my degree.*

**Afton McNamee**  
Irish Studies with English BA (Hons)

## Good to know

### Over 110

Year One students are taking Irish Studies modules in the academic year 2015-16

## 100%

are satisfied overall with their programme (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose Irish Studies at Liverpool?

## Study in a department with world-leading research in an internationally recognised institution

The Institute of Irish Studies was recognised in 2007 by the Irish and British Governments with a multi-million pound endowment to celebrate its achievement in contributing to the development of greater understanding between the two countries.

## Be part of an important, influential and internationally recognised institute

Our Institute of Irish Studies is unique as a National Centre of Excellence for the study of Ireland in Britain and our programmes cover a wide range of topics from Irish politics and history to its literature and culture. We run a prestigious work-placement scheme and our students have gone on to win places on graduate programmes and to work in banking, the civil service, law, teaching and to further academic study.

## Learn in a friendly and supportive environment recognised for its high levels of student satisfaction

We are a small department based in one building on the main campus, where all staff are not only involved in internationally renowned research but foster a friendly, supportive environment for students. You can be assured that the Department is highly regarded by current students as in the most recent National Student Survey we achieved a satisfaction rating of 100%.

## Benefit from access to renowned speakers

While you are studying with us you'll also be able to access the extensive programme of events that are held at the Institute, with regular high calibre speakers presenting. In recent years, speakers have included the late David Ervine, Dr Mo Mowlam, the current Irish President Michael D Higgins, former Irish Presidents Mary Robinson and Mary McAleese. Speakers have also included Roddy Doyle, Seamus Heaney, John Hume, Peter Mandelson, US Senator George Mitchell, Paul Muldoon, Tom Paulin, Jonathan Powell, Dr John Reid and David Trimble.

We also host events for the Liverpool Irish Festival every October and these have included lectures by the author Blake Morrison, the late filmmaker Peter Lennon and the keeper of Antiquities of the National Museum of Ireland Dr Eamonn Kelly.

## Study abroad

As part of your Irish Studies degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Irish Studies students can currently apply to study at the National University of Ireland, Galway. There is also the opportunity for students to spend a semester at Boston College, USA, University of Georgia, USA or the University of Toronto, Canada. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China 🌏

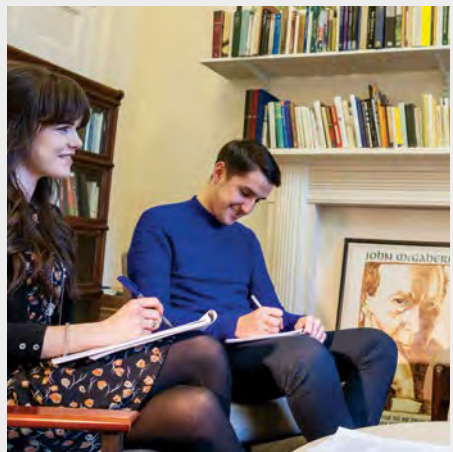
The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Irish Studies, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

This interdisciplinary subject provides you with a range of transferable skills that include research methodologies such as questionnaire design and execution, interview techniques, linguistic skills and the ability to analyse literary texts and historical documents, as well as photographic and artistic representations. An Irish Studies degree will allow you to pursue a career in areas such as heritage and tourism, teaching, publishing, journalism, public relations, marketing, parliamentary research and the civil service. Alternatively, many of our graduates go on to undertake further academic research.

## How you learn

You will attend lectures, seminars and make a field trip to Ireland. You will be assessed by a mixture of coursework and examinations in January and May/June of each year. Your final degree classification is determined by performance in Years Two and Three and assessment of the third year project-based modules is by extended essay or dissertation. The Institute of Irish Studies also offers a number of funded high-profile and exciting work placement opportunities. We strive to tailor our placements to suit the ambitions of our students and these have included non-governmental organisations (NGOs), the National Library of Ireland, Academic Summer Schools and prominent Law Firms.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Irish Studies BA (Hons) Q540</b> 3 years <span>100</span> <span>75</span> <span>50</span> <span>25</span>	BBB	30	Applications considered <sup>①</sup>	170

<sup>①</sup> BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.

## Irish Studies BA (Hons) 100 75

**UCAS code: Q540**

**Programme length: 3 years**

As a modern European nation with a fascinating although often turbulent past, Ireland represents an ideal prism for the study of history, literature, and politics. The role of Ireland as an emerging independent nation, as well as part of a broader matrix of British and global history is explored, whilst its outstanding contribution to English literature in writers such as Wilde, Beckett, Joyce and Yeats also feature as part of this absorbing degree. Students can also look to study the causes of the Troubles in Northern Ireland and reasons why its peace process acts as a template for other conflicts across the globe. The interdisciplinary nature of the programme facilitates an interesting and rewarding engagement with the true personality of Ireland and its peoples. The aim of this programme is to set aside the simplified and stereotypical view of Ireland and its peoples and to focus instead on the diversity and plurality that inform Irish identity.

## Irish Studies Joint 50

You will receive a general grounding in all aspects of Irish Studies. You will explore Irish identity and society from a number of perspectives including the historical, the linguistic, the literary and its material culture. You then have the opportunity to choose modules in order to specialise in a specific area.

## Irish Studies Minor 25

Irish Studies is an ideal complement to a Major in a broad range of subjects. You will explore Irish identity and society from a number of perspectives including the historical, the linguistic, the literary and its material culture. You then have the opportunity to choose modules in order to specialise in a specific area.



100 75 Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 50 25 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

**i** For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)



# Law

Studying Law at Liverpool offers you the chance to build the foundations of your legal or professional career in an innovative yet supportive environment. From the start of your degree you will benefit from access to our established connections with local legal professionals and be encouraged to engage with real clients, under the guidance and support of our dedicated Law Clinic.

*I have always wanted a career which would not only challenge me but also give me enjoyment. I chose to study Law at the University of Liverpool firstly because it is internationally renowned for its legal research and secondly because of the opportunities available for students, including studying abroad and securing work placements. If you are willing to dedicate yourself to the programme then the opportunities are endless.*

**Chloe Lee**  
Law LLB (Hons)

## Good to know

### 400

student places  
in 2016-17

### 89%

of our students find  
their programme  
'intellectually  
stimulating'  
(NSS 2015)

## Winner

of Best Contribution  
by a Team of Students  
(2014), Hillsborough  
Team, University of  
Liverpool – The Law  
Works and Attorney  
General Pro Bono  
Awards



Offers a  
Year in China

100 75 50 25

Offers Honours Select  
combinations



# Why choose Law at Liverpool?

## Prepare for your future professional career

Studying Law at Liverpool combines over 100 years of teaching experience with modern approaches to learning. You will be encouraged to develop your professional skills through the supported activities of the School's pro bono Law Clinic, our in-house legal practice.

## Practice in our Liverpool Law Clinic

Our pro bono Law Clinic is the University's flagship in-house legal practice. It offers final year law students the opportunity to develop their professional skills by representing real clients, under the supervision of the Clinic's in-house legal team of practising lawyers. Law Clinic students and staff have won awards for their hard work and commitment, including the Attorney General Student Pro Bono Award for their work on the Hillsborough Project and a joint Civic Contribution award for their work on the Statelessness project, a specialist Immigration and Asylum service helping people who are stateless, the first specialist practice module of its kind in Europe.

## Build connections with local professionals

Our Law School Professional Mentoring Scheme allows you to build networks and connections with the legal profession from the start of your degree, offering you the opportunity to enhance your employability skills and career options. You will be assigned to a local barrister or solicitor who will act as your mentor to provide careers advice and assistance on an individual basis throughout your studies. You will also be invited to attend wider careers advisory programmes run by the Liverpool Law School and the University Careers & Employability Service.

## Follow in the footsteps of our ground-breaking alumni

Graduate with a Law degree from Liverpool and you will be in great company, with over 91%\* of graduates employed or in further study six months after graduation. The first female High Court judge in the country was a Liverpool Law School graduate and our alumni also includes judges of the Supreme Court, Court of Appeal, High Court and County Court, members of Parliament and legal practitioners as well as many entering other professions including accountancy, social work and banking. (\*DLHE 2013/14)

## Learn from leading experts

You will be taught by internationally renowned and award-winning lecturers who are actively engaged in research concerned with social justice and the role of law in society. This research culture means your education will be cutting edge, innovative and stimulating.

## Fulfil your potential in a supportive environment

We know that starting university study can be a big step, both academically and personally. At the Liverpool Law School we have created a supportive environment to help you throughout your time with us. You will be assigned an Academic Adviser, who will be available to support you with your personal academic development. We also have a dedicated Student Support Officer to provide you with one to one advice should you need it.

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Law, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.



### Your future

The majority of our graduates enter the legal profession. However, any degree which incorporates Law is recognised as a mark of excellence in virtually all employment spheres. Past graduates have embarked on a wide variety of professions, for example civil service; banking; charities and international organisations; management; the armed forces; accounting and finance; and the police service.

### How you learn

You will benefit from a mix of formal instruction and private study. Formal lectures are intended to give you a sound understanding of legal topics covered in the relevant modules, and you are expected to enhance your knowledge through private study and research. Tutorials and seminars (small group teaching) require active student participation and are particularly effective in assisting you in applying the law to practical situations. Online resources and exercises, group work and presentations all help to ensure that you develop a strong set of skills to equip you for life.

In addition, there are alternative forms of teaching delivery, such as podcasts, drop-in sessions, learning cafés and clinical legal skills.

- Lectures – provide an overview of the topic
- Tutorials/Seminars – provide an opportunity to question and develop knowledge in a small group setting.

### Which degree

You may study purely for a Law degree or you may combine your law degree with a second subject.

The **Law LLB (Hons)** enables you to obtain a Qualifying Law Degree and provides exemption from the first stage of academic training in relation to both the Bar and the Law Society's requirements. Whether your background is in humanities or sciences, this degree will help you to develop transferable skills such as logical argument, agility of mind and effective research, providing invaluable skills, whichever career path you wish to follow. In addition to the seven core components of the Qualifying Law Degree, the School provides a wide range of optional modules which may include Medical Law and Ethics, Internet Law, Commercial Law, Human Rights, Intellectual Property Law, Civil Liberties and Discrimination Law.

We also offer two degrees which allow you to combine legal studies with a modern foreign language, **Law with French (M104)** and **Law with Spanish (M108)**. You will also obtain a Qualifying Law Degree if you study Law as your Major through Honours Select (see below).

### Honours Select

We provide the opportunity to study Law as a Major (75%), Joint (50%) or Minor (25%) subject, through our Honours Select programme, combining your interest in Law with another subject, for example Business, Classics, English, History or Social Policy. Studying Law as one aspect of your degree programme allows you to explore interesting aspects of the law and its role in society, whilst maintaining your other subject interests. Students who choose to study Law as a Joint or Minor will not obtain a Qualifying Law Degree, but will gain insight into law and legal processes in the wider world as part of an exciting, mixed programme of study.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Law LLB (Hons) M100</b> 3 years <span>100 75 50 25</span>	ABB	33	DDD ①	176
<b>Law with Accounting and Finance LLB (Hons) M101</b> 3 years	ABB	33	DDD ①	177
<b>Law with French LLB (Hons) M104</b> 4 years	ABB	33	DDD ①	177
<b>Law with Spanish LLB (Hons) M108</b> 4 years	ABB	33	DDD ①	177
<b>Law with a Year Abroad LLB (Hons) M111</b> 4 years	ABB	33	DDD ①	177
<b>Law for Graduates LLB (Hons) M109</b> 2 years	②			177

**M104** and **M108** require grade B at A level or equivalent in the language to be studied.

① DDD with 120 out of 180 credits at Distinction.

② 2:1 in degree.

## Law LLB (Hons) 100 75

UCAS code: M100

Programme length: 3 years

Law is not just about learning what the rules are, but about thinking about what they should be. This degree offers a truly modern legal education reflecting the needs and concerns of society in the 21st century. Whether you are planning a career in the legal profession or a career in almost any other field of expertise, this degree will challenge and inspire you.

As a Law student you will benefit from degree programmes which develop your key skills in presentation and legal argument and research, whilst engaging you with the study of law, the impact of law in society and the operation and construction of legal rules.

## Law Joint 50

Studying Law as half of a Joint Honours degree gives you a thorough understanding of the discipline of Law and the role of Law in regulating society. Law is an interesting and important subject for study, involving consideration of our notions of justice, our relationships with one another and with the state, and the processes for affecting change in society. You will be able to develop your legal skills and understanding whilst dividing your time equally between Law and another subject.

Law is a subject which permeates and affects culture and society, and is a complementary field of study to many other subjects. Law at 50% works particularly well with a number of other programmes in the humanities and social sciences, for example Social Policy and Sociology, English, or History. Please note Law as a Joint 50% option does not lead to a Qualifying Law Degree.

100 75 Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 50 25 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

**i** For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

## Law Minor <sup>25</sup>

You can incorporate the study of Law as the Minor component of your Major/Minor degree; however Law as a Minor option does not lead to a Qualifying Law Degree.

This gives you the opportunity to engage with the study of Law as one aspect of your degree, complementing your studies in another subject. Law is central to the regulation of society and social relations and provides an interesting subject with which to supplement your other studies. The nature of the skills acquired through legal study, including research, communication skills, team-work, and the ability to develop and express coherent arguments will complement and reinforce the skills developed as part of your other subject choice. Law is an interesting and engaging topic of study, and is involved in the cutting-edge issues of the modern world, as well as providing important skills which will be valuable in your future career.

## Law with Accounting and Finance LLB (Hons)

**UCAS code: M101**

**Programme length: 3 years**

This degree draws upon the existing strength of both the Liverpool Law School and the University of Liverpool's Management School in a programme which allows you to obtain a Qualifying Law Degree for professional purposes.

## Law with French LLB (Hons)

**UCAS code: M104**

**Programme length: 4 years**

You will carry out an advanced study of French language, culture and society whilst studying the core modules required for a Qualifying Law Degree. You will have optional modules on the Law side of the programme enabling you to pursue studies in more specialist legal areas eg international law, business law and family law. You will spend your third year abroad, either studying at a partner institution in France or undertaking a suitable work placement, thus completing the degree in four years full-time.

## Law with Spanish LLB (Hons)

**UCAS code: M108**

**Programme length: 4 years**

The core modules required for a Qualifying Law Degree are studied alongside a programme in Spanish language, culture and society. Optional modules on the Law side of the programme will allow you to pursue specialist legal studies in fields of relevance to your future career plans and academic interests. You spend your third year abroad, either studying at a partner institution in Spain or undertaking a suitable work placement, thus completing the degree in four years full-time.

## Law with a Year Abroad LLB (Hons)

**UCAS code: M111**

**Programme length: 4 years**

This exciting degree programme allows you to complete the core modules required to obtain a Qualifying Law Degree for professional purposes whilst also allowing you the opportunity to spend Year Three of the programme on an approved placement at a European or overseas partner institution. You will gain transferrable skills that come with living and adapting to life in a different country, skills that will help with your employability and career prospects.

## Law for Graduates LLB (Hons)

**UCAS code: M109**

**Programme length: 2 years  
(Graduate entry programme)**

This graduate entry programme is aimed at non-law graduates who wish to obtain a Qualifying Law Degree for professional purposes and who already hold a first degree.

# Life Sciences

Choose Life Sciences at Liverpool and you will have over 100 years of teaching and research experience supporting you. Over that time, we have developed an academic community that draws on disciplines from across the Life Sciences, offering you a breadth and depth of flexible study choice we believe is unrivalled in the UK. Here, you can really shape your studies according to your interests, and be confident that the teaching you receive is informed by the very latest, ground-breaking research from across our renowned Faculty of Health and Life Sciences.

*You are given lots of opportunities to shape the direction you want to take by selecting specific modules. When I was researching where to study this aspect drew me to Liverpool as I liked the idea of this freedom and that I could select the modules I liked most.*

**Lydia Hawker**  
Pharmacology BSc (Hons)

## Good to know

### 405

Year One undergraduates in the School of Life Sciences in 2015

### 96%

average satisfaction for our programmes (NSS 2015)

### 85.6%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education Report 2013/14)

### 100%

overall satisfaction for Microbiology (NSS 2015)



Offers study abroad opportunities



Offers a Year in China



# Why choose Life Sciences at Liverpool?

## Shape your study with real flexibility and choice

You'll study in one of the largest Schools of Life Science in the UK drawing on over 100 years of teaching and research experience, meaning you can shape your studies by choosing modules from across the entire spectrum of the life sciences; a breadth of choice unique in the UK. You'll also enjoy links to our Schools of Medicine, Dentistry and Veterinary Science, and the Liverpool School of Tropical Medicine.

## Enjoy excellent career prospects

You'll benefit from our excellent international reputation for research in growth areas such as the biotechnology, post-genomic and pharmaceutical industries. Over 85% of our recent graduates were employed or in further study six months after graduation.

## Strengthen your employability through overseas study

Give your future employability a further boost by choosing to study or take part in field courses abroad. Our networks stretch as far afield as Uganda, Canada and China.

## Work in leading-edge facilities

Life science is at the leading-edge of science, so our facilities are too. Over £30 million has recently been invested in the School's facilities, such as our Biology Teaching Centre, the state-of-the-art Biosciences Building, the Biomedical Sciences Building and the Human Anatomy Resource Centre. This ensures your studies are fully supported by the very best in teaching and research equipment.

## Study abroad

There are many opportunities for Life Sciences students to study or work abroad. These include exchange schemes with partner universities across the world, where students may study for one semester. For further information on student exchange, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Life Sciences, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

As a Life Sciences graduate from the University of Liverpool, you will have a good set of career options ahead of you. For those committed to a career as a research scientist, further study for a higher degree (**MBiolSci**, **MSc**, **MRes**, **MPhil** or **PhD**) at the University of Liverpool or elsewhere is the normal route.

In the public sector, Life Sciences graduates are in demand in research institutes, government departments, the National Health Service, forensic science and the Environment Agency. Commercial sectors that actively recruit graduates from the Life Sciences include the pharmaceutical, food, biotechnology, water and agriculture industries.



There is also an increasing demand for life scientists to contribute to the public understanding of science as journalists and information/liaison officers, in view of the ethical and environmental issues that arise, for example, by developments in molecular biology and biotechnology.

A postgraduate qualification (PGCE) for entry into the teaching profession is also an option, with significant financial inducements provided to meet the current demand for science teachers. In addition to all of the opportunities for graduates in general, including careers outside of biology (such as management, accountancy and human resources), where the skills you have obtained in our degree programmes will be of considerable benefit, our degree programmes are also popular routes to postgraduate Medicine, Dentistry or Veterinary Science.

### How you learn

You will experience a range of learning environments during your studies at Liverpool. These will include lectures, tutorials, laboratory practicals, dissection classes, fieldwork, data handling sessions and computer workshops. Some of these activities will be performed individually, such as personal research projects, and others in small tutorial or project groups, in addition to formal lectures. You will have research staff as well as your own academic adviser for individual tuition on our acclaimed tutorial programme.

### Which degree

At Liverpool, we offer two routes for students wishing to study for a degree in Life Sciences. You can enrol on one of our **Deferred Choice Programmes (C130 or C100)** that allow students to learn about the different subjects available in Life Sciences before specialising. Alternatively, students can enrol on a **specific programme of study** that specialises in one area of the Life Sciences.

We also offer three- and four-year programmes, the latter (MBiolSci) provides students with an opportunity to work abroad or in industry.

### Deferred choice degrees

The **Biological and Medical Sciences** programme (**C130**) offers flexibility for students interested in Life Sciences, particularly interests related to human biology or molecular sciences. Students have the option to transfer into most of the Honours Schools within the Life Sciences, or to retain a broader interest of subjects in their final year. This flexibility also applies to **Biological Sciences (C100)**, which is popular with students interested in broader aspects of biology, particularly whole organism biology. Again, students may specialise in their final year or retain their broad interests and gain a degree in Biological Sciences.



## Specialist subject degrees

**Anatomy and Human Biology (B110)** provides practical anatomy teaching throughout the degree, and modules range from across Life Sciences.

**Biochemistry (C700)** is a popular choice because it spans both biology and chemistry, and explores the mechanisms by which cells and tissues perform their functions. If you are interested in the molecular basis of life and its evolution, then **Molecular Biology and Biotechnology (C720)** and **Genetics (C400)** will provide an excellent training in these subjects.

**Microbiology (C500)** is a broad based degree for those interested in microbial life on this planet, including the biology of bacteria and viruses responsible for infectious disease.

If you want to understand disease processes and how drugs control them, you should consider Pharmacology. If you are interested in regulatory processes at the tissue and cellular level, then Human Physiology will be your best option.

**Human Physiology (B120)** and **Pharmacology (B210)** are integrated with the teaching programme for Life Sciences so that you will gain a broad training in biochemistry, organic chemistry, cell biology, genetics and other relevant subjects before full-time specialisation in your final year.

More specific training in global disease impact, specifically in the developing world, is provided by **Tropical Disease Biology (C111)**. The diversity and function of multicellular organisms, from insects to mammals, is the focus of study in **Zoology (C300)**. **Bioveterinary Science (D900)** is taught jointly by staff in the Schools of Life Sciences and Veterinary Science.

Our integrated **Master of Biological Sciences (C900)** programme provides the opportunity to study one of our specialist or general three-year programmes, followed by a master's year. This master's year is very flexible and contains opportunities for working in industry or gaining international experience in one of our partner institutes, for part or all of the year. You will graduate with a degree qualification that reflects your specialisation, eg MBiolSci (Biochemistry) or MBiolSci (Anatomy and Human Biology) etc.

**Biological Sciences (C108)** is a four-year programme with a Foundation Year at Carmel College followed by three years at the University of Liverpool, and acts as an entry route to many of the Honours Schools in Life Sciences.

You may be able to transfer to another programme of study in your final year, provided that you select the appropriate modules in Year One and Two.

## Work experience opportunities

Students on our four-year MBiolSci programme have the opportunity to take elective internships abroad at our partner institutions. For example, while at universities in Thailand, students have worked on topics such as coral reef and mangrove ecology, genetics of shrimp development and new drugs for tuberculosis.

Students in their final year of the MBiolSci also have the opportunity to work in industry, either for six-week internships or for the entire final year.

You will have the exciting option to undertake a foreign field course in western Uganda which is available when studying a number of our undergraduate degree programmes. The 12-day trip involves study at both the Kibale National Park (10 days) and Queen Elizabeth National Park (2 days).

Topics covered whilst in Uganda include tropical forest and savannah ecology, biodiversity patterns, primate behaviour and ecology, subsistence versus commercial agricultural practices, and ecotourism.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Anatomy and Human Biology BSc (Hons) B110 3 years</b>	AAA-ABB	36-33	DDD in relevant diploma ①	184
<b>Biochemistry BSc (Hons) C700 3 years</b>	ABB	33	DDD in relevant diploma ①	184
<b>Biological and Medical Sciences BSc (Hons) (also leading to a choice of Honours School) C130 3 years</b>	ABB	33	DDD in relevant diploma ①	185
<b>Biological Sciences BSc (Hons) (also leading to a choice of Honours School) C100 3 years</b>	ABB	33	DDD in relevant diploma ①	185
<b>Biological Sciences MBiolSci (Integrated master's) C900 4 years</b>	ABB	33	DDD in relevant diploma ①	185
<b>Bioveternary Science BSc (Hons) D900 3 years</b>	ABB	33	DDD in relevant diploma	185
<b>Genetics BSc (Hons) C400 3 years</b>	ABB	33	DDD in relevant diploma ①	186
<b>Human Physiology BSc (Hons) B120 3 years</b>	ABB	33	DDD in relevant diploma ①	186
<b>Microbiology BSc (Hons) C500 3 years</b>	ABB	33	DDD in relevant diploma ①	186
<b>Molecular Biology and Biotechnology BSc (Hons) C720 3 years</b>	ABB	33	DDD in relevant diploma ①	186
<b>Pharmacology BSc (Hons) B210 3 years</b>	ABB	33	DDD in relevant diploma ①	187
<b>Tropical Disease Biology BSc (Hons) C111 3 years</b>	ABB	33	DDD in relevant diploma ①	187
<b>Zoology BSc (Hons) C300 3 years</b>	ABB	33	DDD in relevant diploma ①	187
<b>Biological Sciences leading to BSc (Hons) (4 year route with Foundation Year at Carmel College) C108 4 (1+3) years</b>	②			187
<i>Industrial/Research Placement Schemes</i>				
<b>Any of the above with a final year on placement leading to the award of MBiolSci in the subject C900 4 years</b>	ABB	33	DDD in relevant diploma	185

*Continued over...*



# Degrees *Continued*

	Typical Offer			Page
	A level	IB	BTEC	
<i>Degrees offered with other departments</i>				
<b>Ecology and Environment BSc (Hons) C192</b> 3 years			See Ecology and Marine Biology	115
<b>Ecology and Environment MEcol (Hons) C180</b> 4 years			See Ecology and Marine Biology	115
<b>Marine Biology BSc (Hons) C160</b> 3 years			See Ecology and Marine Biology	115
<b>Marine Biology MMarBiol (Hons) C161</b> 4 years			See Ecology and Marine Biology	115
<b>Marine Biology with Oceanography BSc (Hons) C1F7</b> 3 years			See Ecology and Marine Biology See also Ocean Sciences	115 244

**C100**, **C900**, **C400**, **C500**, **C111** and **C300** require Biology A level plus a second science, preferably Chemistry, at A level. **C700**, **C720** and **C130** all require both Biology and Chemistry at A level. **B110** requires Biology/Human Biology A level. **B210** requires two science A levels including Chemistry. **B120** and **D900** require Biology at A level.

① With at least 120 Level 3 credits at Distinction.

② Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

## **Anatomy and Human Biology BSc (Hons)**

**UCAS code: B110**

**Programme length: 3 years**

This is a practical, hands-on degree in Anatomy that allows you to combine a programme that includes cadaveric dissection with modules from medical and biological sciences.

This degree will suit you if you want a thorough understanding of the structure and function of the human body. Our students are well prepared to compete for graduate entry into Medicine, Veterinary Medicine, Dental Sciences, Diagnostic Radiography and Physiotherapy, for higher degrees, and for careers in biological and medical science, archaeology, forensic science, palaeontology, sports science and teaching.

## **Biochemistry BSc (Hons)**

**UCAS code: C700**

**Programme length: 3 years**

Biochemistry is the study of molecular structures and interactions in living organisms. Biochemists seek to understand living organisms in terms of chemical reactions.

If you have a natural curiosity for science and a proven understanding of biology and chemistry, coupled with a desire to learn how science can be exploited for the benefit of mankind, then you have a fascinating career ahead of you. Biochemists are in great demand by employers. This degree will provide you with the knowledge and skills that employers want in medical and agricultural research, the pharmaceutical and other biotechnology industries, as well as in education.

## Biological and Medical Sciences BSc (Hons)

UCAS code: C130

Programme length: 3 years

This programme allows you to develop a broad-based education in Life Sciences related to medicine. At the end of your first year of study, you may transfer into one of the Honours Schools of Biochemistry, Genetics, Molecular Biology and Biotechnology, Microbiology, Tropical Disease Biology, Physiology or Pharmacology, and graduate with a degree in that subject. Alternatively, you may wish to keep a broad interest in biological and medical sciences open in Year Three and then graduate with a degree in Biological and Medical Sciences. You can therefore take advantage of all the biological specialities that are unique to the University of Liverpool.

The aim of this integrated programme is to make you an expert in one particular field and also give you the ability to cross discipline boundaries. This is highly attractive to prospective employers. This programme is particularly suitable if you are intending to apply eventually for graduate entry into Medical, Veterinary or Dental Schools.

## Biological Sciences BSc (Hons)

UCAS code: C100

Programme length: 3 years

Biological Sciences is the key science of the 21st century. It brings together ideas, techniques and information from all areas of biology – from ecology to the molecular sciences.

This programme allows you to pursue your own areas of specific interest and to have an appreciation of the full range of the subject. However, should you decide sometime in the first two years that you wish to specialise, you can transfer to a number of programmes in the School of Life Sciences.

## Biological Sciences MBiolSci UCAS code: C900

Programme length: 4 years

This is a four-year integrated master's programme aimed at developing enhanced research skills for students seeking a high-level career in research (eg studying for a PhD or working in industry). For the first three years of study, students will select one of the available pathways (Anatomy and Human Biology, Biochemistry, Biomedical Science, Genetics, Microbiology, Molecular Biology and Biotechnology, Pharmacology, Human Physiology, Tropical Disease Biology, Zoology, Biological and Medical Sciences or Biological Sciences) and will study a mix of theory and practical modules appropriate to the BSc Honours programmes for these areas.

During the 4th (master's) year, students will take advanced modules to enhance further their research skills; will join a research team to undertake a significant research project. Students will also have the opportunity for a research internship in the UK or overseas, or to spend time working in industry in this final year.

This course is accredited by the Royal Society of Biology, [www.rsb.org.uk](http://www.rsb.org.uk)

## Bioveterinary Science BSc (Hons)

UCAS code: D900

Programme length: 3 years

This three-year programme will provide you with a wide knowledge of biological and animal sciences, practical techniques and transferable skills for careers allied to veterinary science, scientific research, conservation, animal welfare and the biotechnology and pharmaceutical industries.



## Genetics BSc (Hons)

UCAS code: C400

Programme length: 3 years

Genetics is at the cutting edge of modern biology and the fast pace of major new developments has made Genetics an exciting field of study. Recent development in genomics and biotechnology in particular, have led to huge advances in the fields of personalised medicine and genetic engineering; areas that have the potential to revolutionise how we treat and think about disease, how we produce crops and manufacture new biological materials. In short, modern Genetics underpins all of biology. Whether your interests lie in medicine, cancer biology, evolution, biotechnology, plant genetics and food security or molecular biology, Genetics has something to offer you.

## Human Physiology BSc (Hons)

UCAS code: B120

Programme length: 3 years

Human Physiology is the science of how the body works and is one of the fundamental disciplines of modern medicine. Physiology investigates the interaction of molecules, cells, tissues and organs, and how these parts make up the whole body. Human Physiology at Liverpool has a focus on cellular and molecular mechanisms of disease. As you work through your degree here at Liverpool your knowledge of Physiology will expand through learning from experts in their fields. There is an emphasis on integrating molecular, cellular, systems and whole body function, which distinguishes Physiology from other life science degrees. This makes it very relevant for postgraduate study in medicine.

Some of the major research areas covered within Physiology are signalling in smooth muscle (in the Centre for Better Births), neuronal signalling, oncology membrane transport and signalling in health and disease.

## Microbiology BSc (Hons)

UCAS code: C500

Programme length: 3 years

In spite of their size, the impact of microbes on the planet is so extensive that life as we know it could not exist without them. In addition, microbes cause many of the known diseases of humans, animals and plants. Knowledge of Microbiology will enable you to improve the quality of our lives in relation to the environment, to fight disease, and to combat pollution. Microbiology plays a key role in genetic engineering and other modern biotechnologies, such as antibiotic production and the exploitation of new sources of food and energy.

## Molecular Biology and Biotechnology BSc (Hons)

UCAS code: C720

Programme length: 3 years

Molecular Biology is the understanding of cellular processes in terms of the interactions between individual biological molecules. It focuses on the formation, structure and function of macromolecules (such as nucleic acids and proteins) and the processing of genetic information. The techniques of molecular biology are being applied in many areas of biology such as cancer research, drug development, forensic science, environmental monitoring, medical diagnostics and therapeutics. Molecular biology is fundamental to contemporary studies in biochemistry and genetics.



**Pharmacology BSc (Hons)****UCAS code: B210**

Programme length: 3 years

Pharmacology is the science of drugs and how they work. It should not be confused with Pharmacy (the preparation and dispensing of medicines). You will study the physiological and biochemical processes underlying diseases such as AIDS, malaria, asthma, cancer and cardiovascular disease, and how drug molecules can be designed to relieve symptoms and to combat the disease process.

A major feature of this programme is the integration of molecular and clinical Pharmacology. This degree will suit you if you want a practical approach to training in research or related careers, including graduate entry to medical school.

**Tropical Disease Biology BSc (Hons)****UCAS code: C111**

Programme length: 3 years

This programme will appeal to students who are interested in a range of aspects of the biology of infectious disease in a global context, but with an emphasis on the tropics. A practical skills module in Tropical Disease Biology will be offered in Year Two.

**Zoology BSc (Hons)****UCAS code: C300**

Programme length: 3 years

Zoology is the study of animal life, from whole animals and populations through tissues to their cells and molecular structures. Zoologists also look at the behavioural patterns of animals, the effects of pollution on their habitats, and animal diseases.

Many Zoology graduates go on to study at our School of Veterinary Science or find work in zoos, in wildlife conservation and management, or in wildlife documentary.

**Biological Sciences leading to BSc (Hons) (4 year route with Foundation Year at Carmel College)****UCAS code: C108**

Programme length: 4 (1+3) years

Intended for adult learners or undergraduates who wish to take up Biology but do not have the appropriate subject background, Biological Sciences offers a foundation year at nearby Carmel College. This is not a programme in itself but acts as a springboard onto other Life Science degrees. This deferred choice programme means that you have the flexibility and freedom to switch to your chosen degree after completing the foundation year (Year Zero). The aim of this programme is to make you an expert in one particular field with the ability to cross discipline boundaries, a highly attractive prospect to employers.



# Management School

Take the first steps towards your future professional career by joining our Management School, one of an elite group of institutions worldwide to be AACSB Accredited. We are a dynamic and innovative School offering degree programmes that provide you with the knowledge, skills, opportunities and experience you need to be successful in your chosen career. Our School mission is 'Learning to make a difference' and our range of contemporary programmes will equip you to do that in your professional and personal lives.

*There are links between key theories and perspectives right across the programme and all module content is directly applicable to industry, politics and society. It is rewarding finding connections and joining up bits of knowledge from lectures when out on placement. I also have found that for a large programme, there is plenty of one-to-one support with lecturers, and many resources, opportunities and ways of contacting staff whenever you need.*

**Harry Polnyj**  
Business Management BA (Hons)

## Good to know

### 788

Year One undergraduates across all programmes in 2015

### 10th

in the UK for Marketing – Complete University Guide 2016



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations





# Why choose Management at Liverpool?

## **Develop the skills highly sought after by employers with our extra-curricular programme**

With the University of Liverpool Management School's unique 'ULMS Extra' programme you'll go beyond the core curriculum and have the opportunity to consolidate your existing talents and learn new skills. Our specially designed programme provides extra-curricular activities such as guest speakers, careers workshops covering job applications, interviews and assessment centres, presentations by key graduate recruiters and Mandarin lessons. As a Management School student you'll be truly prepared for a graduate role in today's fast paced and ever-changing business world.

## **Make connections with business and public sector organisations**

We have outstanding links with business and public sector organisations, both local and national, which will ensure that you develop knowledge and skills grounded in the real world. Tap into our industry links through our Business Live project and gain hands-on experience solving a problem for a real business.

We encourage and support extra-curricular involvement with business societies and business competitions – including Enterprise Champions, IBM Universities Business Challenge and Enactus. These enable you to further develop business links and apply what you have learned at university, with the potential to make a difference to those in need. A recent Enactus project has seen our students lend support and advice to businesses in deprived areas of Merseyside.

## **Benefit from studying in a School with both a long tradition and modern innovative approach to teaching**

The teaching of business and management at the University of Liverpool dates back to the thriving commercial activity of the 1800s. However, despite our historical roots we are very much a 21st Century School as one of only 5% of business schools worldwide to be awarded AACSB Accreditation.

Our academic staff work on cutting-edge research focused on meeting the needs of both industry and the public sector and solving the challenges presented in the modern business world.

You will study innovative programme content, be taught using methodologies drawn from the latest business and management research and utilise learning resources to equip you for tomorrow's economy and in your future career.

Our degree programmes include business simulations: set up and run a virtual company or learn to handle finance in an ever-changing environment with 'Running the British Economy'. With a vibrant international learning community you'll be exposed to business ideas and cultures from the UK and beyond. Learn with the support of leading researchers and experienced industrialists – dedicated teaching staff who offer expert knowledge within flexible contact hours.

The Management School's £10 million extension will provide you with a world-class learning environment. The new facility boasts an experiential marketing facility, a state-of-the-art Bloomberg trading floor, flexible teaching and study spaces and a new lecture theatre.

## Tailor your studies to suit your interests and career aspirations

Take advantage of the flexibility and choice provided by our undergraduate degree programmes, enabling you to develop specialisms in your chosen field. The School is divided into three subject groups that reflect the current research and teaching expertise within the School: Economics, Finance and Accounting; Organisation and Management; and Marketing and Operations. We also have a range of pathways and combinations available through Honours Select enabling you to shape your degree programme.

## Study abroad

Broaden your outlook and reap the huge personal and academic benefits of studying abroad. You can take advantage of exchange links with prestigious, carefully chosen institutions in a range of locations from Canada and the USA through to Asia, Australia and Europe. For more information and a full list of available institutions, visit [www.liverpool.ac.uk/management/undergraduate/study-abroad](http://www.liverpool.ac.uk/management/undergraduate/study-abroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling our students the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies programme. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.



## Your future

Throughout your degree we develop the 'ULMS graduate' skills including flexibility, problem-solving, commercial awareness and communication, which are highly valued by employers.

Our former students enjoy careers in many professions, including trainee accountants (financial, management and chartered); business development manager; recruitment consultant; tax assistant; trainee investment manager; business analyst; mortgage adviser; project manager; management consultant; fundraising manager; commodities trader; human resources officer; advertising executive; marketing communications manager; strategic development analyst; digital marketing executive; graduate trainee (including retail organisations, financial organisations, the civil service and other blue chip companies); sales executive.

Some graduates have pursued self-employment in areas including marketing and business consultancy, export and events promotion.

## Year in Industry

The Year in Industry is undertaken as part of the four-year degree programme. You will be supported in finding and applying for a placement in an organisation which could range from a local small and medium-sized enterprise to a global blue chip company: it's up to you.

The Year in Industry provides you with an edge in a competitive graduate labour market and enables you to make important contacts and could even result in a full-time graduate job with your placement organisation. Recent Year in Industry students have undertaken placements in organisations including Amazon, PwC, Adidas and Unilever.

The placement year provides an invaluable opportunity to apply your knowledge and skills in a business environment, gaining experience of real responsibilities, projects and goals.



## How you learn

The principal forms of teaching are lectures and seminars. Lectures will normally be supported by material such as hand-outs and computer based presentations. Seminars give the opportunity for detailed discussion of a topic under the direction of a tutor.

You are normally expected to prepare work in advance for seminars and may be expected to present work or give presentations from time to time. On some modules, such as quantitative techniques and IT, seminars may take the form of practical sessions using computers.

All our degrees depend on you spending a good part of the week in private or group study in preparation for lectures and seminars. This involves making extensive use of the excellent library and IT facilities, just one minute's walk away from the Management School.

## Which degree

We offer Single Honours degrees in **Accounting and Finance**, **Business Economics**, **Business Management**, **Economics**, **International Business** and **Marketing**. Year in Industry programmes are available for all of these subjects. The School also contributes to a range of pathways within the Faculty of Humanities and Social Sciences as part of Honours Select, as well as to departments beyond the Faculty, such as Computer Science and Mathematics. All of our programmes provide you with the skills, knowledge and confidence to succeed in a variety of different roles either specific to your degree subject or the wider business world.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Accounting and Finance BA (Hons) N400 3 years</b>	AAB	35	D*D*D	194
<b>Accounting and Finance with a Year in Industry BA (Hons) N401 4 years</b>	AAB	35	D*D*D	194
<b>Business Economics BA (Hons) LN11 3 years</b>	ABB	33	D*D*D	194
<b>Business Economics with a Year in Industry BA (Hons) LN12 4 years</b>	ABB	33	D*D*D	194
<b>Business Management BA (Hons) N100 3 years</b> <sup>100 75</sup>	ABB	33	D*D*D	195
<b>Business Management with a Year in Industry BA (Hons) N101 4 years</b>	ABB	33	D*D*D	195
<b>Business</b> <sup>50 25</sup>				195
<b>Economics BSc (Hons) L100 3 years</b> <sup>100 75 50 25</sup>	AAA	36	D*D*D <sup>①</sup>	196
<b>Economics with a Year in Industry BSc (Hons) L101 4 years</b>	AAA	36	D*D*D <sup>①</sup>	196
<b>International Business BA (Hons) N120 3 years</b>	ABB	33	D*D*D	196
<b>International Business with a Year in Industry BA (Hons) N121 4 years</b>	ABB	33	D*D*D	196
<b>Marketing BA (Hons) N500 3 years</b>	ABB	33	D*D*D	197
<b>Marketing with a Year in Industry BA (Hons) N501 4 years</b>	ABB	33	D*D*D	197
<i>Degrees offered with other departments</i>				
<b>Financial Computing BSc (Hons) GN34 3 years</b>	See Computer Science			93
<b>Financial Computing with a Year in Industry BSc (Hons) G3N4 4 years</b>	See Computer Science			93
<b>Actuarial Mathematics BSc (Hons) NG31 3 years</b>	See Mathematical Sciences			204
<b>Mathematics and Economics BSc (Joint Hons) GL11 3 years</b>	See Mathematical Sciences			203
<b>Mathematics and Business Studies BSc (Joint Hons) GN11 3 years</b>	See Mathematical Sciences			204
<b>Mathematics with Finance BSc (Hons) G1N3 3 years</b>	See Mathematical Sciences			204
<b>Politics and International Business BA (Joint Hons) LN21 3 years</b>	See Politics			271
<b>Law with Accounting and Finance LLB (Hons) M101 3 years</b>	See Law			177

L100 and L101 require A level Mathematics grade A. LN11 and LN12 require GCSE Mathematics at grade B. General Studies, Critical Thinking and Citizenship Studies are not normally considered within standard offers for Management School programmes.

<sup>①</sup> Relevant when combined with A level Mathematics grade A.

<sup>100 75</sup> Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over <sup>50 25</sup> 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

## Accounting and Finance BA (Hons)

UCAS code: N400

Programme length: 3 years

---

## Accounting and Finance with a Year in Industry BA (Hons)

UCAS code: N401

Programme length: 4 years

---

An Accounting and Finance degree covers the day-to-day financial matters of business and is an excellent first step to becoming a qualified accountant, one of the highest paid professions.

The BA Accounting and Finance degree programme at Liverpool provides a sound grounding in all core theoretical and practical areas of Accounting and Finance, focusing on financial accounting, management accounting, finance, strategy, audit and taxation. Programme staff are professionally qualified accountants with a range of experience in different sectors, so you can be confident of being taught the most up-to-date content by those that have applied it in the business world.

With close industry links the programme is accredited by the professional accountancy bodies and receives the maximum number of exemptions available to any university from a wide range of professional bodies including; the Institute of Chartered Accountants in England and Wales (ICAEW), the Association of Chartered Certified Accountants (ACCA) the Chartered Institute of Management Accountants (CIMA) and the Chartered Institute of Public Finance Accountants (CIPFA).

Our graduates have successfully gone on to find work in accountancy practices, industry, investment banking, asset management and insurance in organisations such as KPMG, PwC, Deutsche Bank, Grant Thornton, Barclays, Ernst & Young, as well as in education and the public sector.

On the Year in Industry programme you spend Year Three on placement in industry. See page 191 for further details.

## Business Economics BA (Hons)

UCAS code: LN11

Programme length: 3 years

---

## Business Economics with a Year in Industry BA (Hons)

UCAS code: LN12

Programme length: 4 years

---

The BA Business Economics programme gives you a firm foundation of knowledge in business economics, as well as a complementary training in a focused business pathway: Accounting and Finance or International Business.

While less demanding in terms of quantitative skills than the BSc Economics, the programme includes a much greater concentration of economics (50% of modules) than our BA Business Management/BA Business Management with a Year in Industry programmes. The Business Economics programme is a member of the family of economics programmes as recognised by the Government Economic Service.

With modules covering the main principles of business you will also take compulsory economic modules such as macroeconomics, microeconomics, mathematics, statistics, competition and regulation. Complementing your solid business and economic base you will be able to select remaining modules in your final year related to your pathway and based on the expertise of staff in areas such as health economics, game theory and economics of the arts.

By developing specific quantitative and analytical skills as well as broader business knowledge from studying both business and economics, our graduates are highly employable finding careers in a variety of specialist and general business related roles in companies such as Bank of America, PwC, Sky, PepsiCo, Deloitte as well as smaller specialist firms.

On the Year in Industry programme you spend Year Three on placement in industry. See page 191 for further details.

## Business Management BA (Hons) <sup>100 75</sup>

UCAS code: N100

Programme length: 3 years

## Business Management with a Year in Industry BA (Hons)

UCAS code: N101

Programme length: 4 years

If you are interested in how business works overall, a Business Management degree will help you towards a career in management.

The BA Business Management programme provides a thorough grounding in a range of business subjects including entrepreneurship, management and leadership, the chance to work with real businesses and the opportunity to specialise in areas such as human resource management, marketing and operations management.

From the first year of study, students are introduced to the problems and challenges of the business world and how to solve them. By the final year of the programme, students are able to consolidate their studies through a much greater degree of personal study and research and possess the skills and knowledge to succeed in the business world.

Business Management is also an ideal partner for a wide range of other subjects in the Faculty of Humanities and Social Sciences such as languages, and can be studied at every level from Single Honours to Minor.

Our graduates successfully go on to find a variety of business related careers in organisations such as Jaguar Land Rover, IBM, Home Office, KPMG, Microsoft, PwC, Santander and a range of smaller companies as well.

On the Year in Industry programme you spend Year Three on placement in industry. See page 191 for further details.

## Business Joint and Minor <sup>50 25</sup>

You will be introduced to key functions within Business where you will develop an understanding of current business issues and principles. You will have the opportunity to specialise in specific areas of business and so pursue topics that are of particular interest.

You will have the opportunity to acquire a number of skills and competencies sought by employers in the modern business world. You may develop strengths in areas including: flexibility, adaptability, problem solving, IT, numeracy, communication, networking, critical analysis, team work, corporate responsibility, time management, cultural awareness and commitment to lifelong learning.



<sup>100 75</sup> Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over <sup>50 25</sup> 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.



For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

**Economics BSc (Hons)** 400 75**UCAS code: L100**

Programme length: 3 years

**Economics with a Year in Industry BSc (Hons)****UCAS code: L101**

Programme length: 4 years

If you are interested in the theory and practice of economics and are looking to develop the quantitative and analytical skills to succeed in a variety of roles, an Economics degree might interest you.

The BSc Economics programme provides students with comprehensive training in the theoretical and quantitative tools used in the study of economic and finance and enables them to apply these tools on a practical basis through research work and applied modules looking at economic factors in areas such as health, finance, behaviour, politics, Europe, the public sector, developing countries and arts and culture.

You will also be taught by staff who are highly regarded researchers in the topics they teach, ensuring you receive the very best learning experience possible.

You will be able to follow one of two pathways: a generalist pathway which enables you to pursue a wide range of economic study, and a finance pathway which provides more specialist finance related modules. Both options will not only provide you with a solid understanding of the economic issues faced by economies and businesses worldwide but the ability to apply econometric models to support these findings, an incredibly important skill valued by companies and organisations.

Our graduates successfully find careers as analysts, researchers, traders and other business/finance related roles in companies such as Deloitte, GlaxoSmithKline, KPMG, PwC, NHS, Bank of America Merrill Lynch as well as smaller specialist finance and investment firms and some look to continue with further postgraduate study.

On the Year in Industry programme you spend Year Three on placement in industry. See page 191 for further details.

**Economics Joint and Minor** 50 25

You will be provided with an accessible introduction to the basic principles of Economics, followed by applied topics in more advanced modules.

You will have the opportunity to acquire a number of skills and competencies sought by employers in the modern business world. You may develop strengths in areas including: flexibility, adaptability, problem solving, IT, numeracy, communication, networking, critical analysis, team work, corporate responsibility, time management, cultural awareness and commitment to lifelong learning.

**International Business BA (Hons)****UCAS code: N120**

Programme length: 3 years

**International Business with a Year in Industry BA (Hons)****UCAS code: N121**

Programme length: 4 years

Our BA International Business programme is a specialist degree that provides a solid grounding in the main management disciplines with a particular focus on international management and global strategy. The curriculum emphasises links between international business management and the financial, technological, political, and other forces affecting the world economy.

The programme includes some quantitative modules as well as a wide range of primarily qualitative modules. You will study International Management, International Finance, International Marketing, and the international dimensions and implications of other aspects of management. You will also examine various international business contexts, including both the emerging markets of Asia, Africa, and Latin America as well as the advanced economies of Europe, Asia and North America.

Our graduates successfully go on to find careers in multinational organisations such as Amazon, Mars, PwC, Royal Dutch Shell, Vodafone Group and Deutsche Bank.

On the Year in Industry programme you spend Year Three on placement in industry. See page 191 for further details.

## Marketing BA (Hons)

**UCAS code: N500**

Programme length: 3 years

## Marketing with a Year in Industry BA (Hons)

**UCAS code: N501**

Programme length: 4 years

Marketing is a critical management activity in most organisations and is becoming even more important with the sharpening of competition at all levels – local, national and international.

Our BA Marketing programme is a specialist degree that provides a solid grounding in the main management disciplines with a chance to specialise in marketing.

The study of Marketing has origins in the process of exchange, in which value is given and received in a market setting. It is concerned with trying to understand how customers and consumers behave, how markets function and evolve, how firms relate to these markets, as well as identifying the contributions of Marketing to organisational performance and societal welfare.

As the BA Marketing at Liverpool is highly regarded by the influential Complete University Guide, you can be confident of studying a programme full of interesting, current and relevant content that underpins the important role that marketing plays in business.

You will take specialised modules in key areas such as market research, digital marketing, consumer behaviour, strategic aspects of marketing, segmentation, positioning, buying behaviour by organisations, and e-Commerce. Also, our strong links with local businesses provide opportunities to network and develop the employability skills that make our graduates stand out.

Our graduates successfully go on to find marketing and business related careers in large organisations such as Mediacom, McCann, Accenture, BT as well as smaller companies and specialist marketing agencies across the UK.

On the Year in Industry programme you spend Year Three on placement in industry. See page 191 for further details.



**100** **75** Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over **50** **25** 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.



For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

# Mathematical Sciences

Mathematics is a fascinating, beautiful and diverse subject to study. It underpins a wide range of disciplines, from the physical sciences, to social science; from biology to business and finance. At Liverpool, our programmes are designed with the needs of employers in mind, to give you a solid foundation from which you may take your career in any number of directions.



Institute  
and Faculty  
of Actuaries

*It's an incredibly well structured programme with plenty of freedom to tailor your degree around your interests. You are given the choice to pick modules you want and there are many opportunities to get help when you need it. I've found throughout the degree you're incredibly well supported.*

Jane O'Neill  
Mathematics MMath

## Good to know

### 197

Year One undergraduates in 2015

### 88%

are employed or in further study within six months of graduating (Unistats 2015)

### 87%

of our students said staff are good at explaining things (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

It can be shown that

$$E_n^{(e)} = T_n A_n^{(e)}$$



# Why choose Mathematical Sciences at Liverpool?

## Take the first steps towards a brilliant career

Employers tell us that, alongside key problem solving skills, they want strong communication skills and the ability to work in a team – so we have ensured that these are integral to our Mathematics programmes. As a result, we have an excellent graduate employment record. About a third of graduates become business and finance professionals; but there is a whole host of other careers which our graduates have found success in – management training, information technology, further education or training (including teacher training), and scientific research and development – and many more.

## Shape your own degree from our wide range of study options

Our modules range from Financial Mathematics to Fluid Mechanics, from Chaos to Combinatorics. In the final year, many of our degree programmes offer the opportunity to undertake an in-depth project on a topic of your choice, supervised by a leading expert in the field so whatever element of mathematics you are passionate about, you will be able to explore it in full.

## Fulfil your potential in a supported environment

We take students from a wide variety of educational backgrounds and we work hard to give everyone the opportunity to shine. Features such as the peer-assisted study scheme – where Year Two and upwards students assist first years with maths problems – as well as small first-year tutorial groups, a department common room and kitchen, and a lively maths society help to foster a friendly and supportive environment. We are also proud of our record on teaching quality, with five members of the Department having received the prestigious Sir Alastair Pilkington Award for Teaching, the University's top accolade for teaching quality.

## Put maths into practice through our innovative outreach programme

We encourage all our students to get involved in our extensive outreach programme with schools in the Merseyside area and beyond. This is a particularly valuable experience for those interested in a career in teaching, but for all students it is a brilliant opportunity to build your transferable skills. Activities include joining a visit to a local school to help out with an interactive learning session, or giving a presentation at the University's Maths Club. Further details can be found at [www.liverpool.ac.uk/mathematical-sciences/outreach](http://www.liverpool.ac.uk/mathematical-sciences/outreach)

## Study abroad

As part of your Mathematics degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Students may apply to study at universities in the USA and Canada and students on a Maths with a European Language programme will be able to spend a year in a country where the relevant language is spoken. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Mathematical Sciences, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/study/yearinchina](http://www.liverpool.ac.uk/study/yearinchina) for more information.

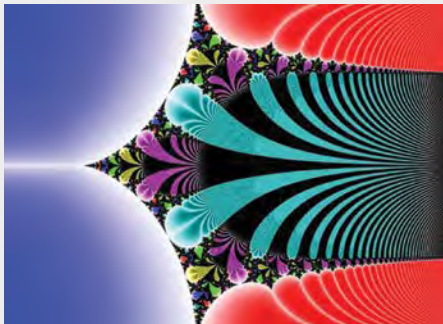


## Your future

From actuary to airline pilot, from marketing to medical statistics, a mathematically-based degree opens up a wide range of career opportunities, including some of the most lucrative professions. Typical types of work our graduates have gone onto include: actuarial trainee analyst in the audit practice, graduate management trainee risk analyst and trainee chartered accountant graduate business programme. Employers value mathematicians' high level of numeracy and problem solving skills. Financial rewards are impressive: research by Pricewaterhouse Coopers revealed that mathematical science graduates earn on average an extra £241,749 over their lifetime than those who leave school after A levels. This is the third highest 'graduate premium' of all subject areas.

## How you learn

Your learning activities will consist of lectures, tutorials, practical classes, problem classes, private study and supervised project work. In Year One, lectures are supplemented by a thorough system of group tutorials and computing work is carried out in supervised practical classes. Key study skills, presentation skills and group work start in first-year tutorials and are developed later in the programme. The emphasis in most modules is on the development of problem-solving skills, which are regarded very highly by employers. Project supervision is on a one-to-one basis, apart from group projects in Year Two. Most modules are assessed by a two and a half hour examination in January or May, but many have an element of coursework assessment. This might be through homework, class tests, mini-project work or key skills exercises.



## Which degree

Any Mathematics-based degree is valuable. If you already have a clear idea of the career you're aiming for, you may want to choose one of our career-oriented programmes with **Business, Economics, Finance, Computer Science, Physics, Modern Languages** or **Education**. If you prefer to keep your options open, a degree in **Mathematics** or **Mathematical Sciences** could be for you. Many of our programmes have modules in common and it is often (but not always) possible to transfer from your programme to another programme after the end of your first or second year.

## Work experience opportunities

An optional Work Placement module is offered during the summer vacation following Year Two. This is an opportunity for you to use your Mathematics in the workplace and get credit towards your degree.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Mathematics BSc (Hons) G100 3 years</b>	ABB	33	D*DD in relevant diploma ①	203
<b>Mathematics MMath G101 4 years</b>	AAB	35	Applications considered ①	203
<b>Mathematical Sciences entry route leading to BSc (Hons) (4 year route including a Foundation Year at Carmel College) G108 4 (1+3) years</b>	②			203
<b>Mathematics and Statistics BSc (Hons) GG13 3 years</b>	ABB	33	D*DD in relevant diploma ①	203
<b>Mathematics and Economics BSc (Joint Hons) GL11 3 years</b>	ABB	33	D*DD in relevant diploma ①	203
<b>French and Mathematics BA (Joint Hons) GR11 4 years</b>	ABB	33	Applications considered ①	203
<b>Mathematical Sciences with a European Language BSc (Hons) G1R9 4 years</b>	ABB	33	Applications considered ①	204
<b>Mathematics and Business Studies BSc (Joint Hons) GN11 3 years</b>	ABB	33	D*DD in relevant diploma ①	204
<b>Mathematics with Finance BSc (Hons) G1N3 3 years</b>	AAB	35	Applications considered ①	204
<b>Actuarial Mathematics BSc (Hons) NG31 3 years</b>	AAB	35	Applications considered ①	204
<b>Mathematical Physics MMath FGH1 4 years</b>	AAB	35	Applications considered ①	204
<b>Physics and Mathematics BSc (Joint Hons) FG31 3 years</b>	ABB	33	D*DD in relevant diploma ①	204
<b>Theoretical Physics MPhys F344 4 years</b>	AAB	35	Applications considered ①	204
<i>Degrees offered with other departments</i>				
<b>Mathematics and Computer Science BSc (Hons) GG14 3 years</b>	See Computer Science			94
<b>Mathematics and Philosophy BA (Joint Hons) GV15 3 years</b>	See Philosophy			251
<b>Mathematics with Ocean and Climate Sciences BSc (Hons) GIF7 3 years</b>	See Ocean Sciences			244

All programmes in the Department (other than those with a Foundation Year) require Mathematics A level at grade A or higher. **GR11** also requires A level French at grade B. **G1R9** also requires grade B in A level French, German or Spanish. **FG31**, **F344** and **FGH1** also require A level Physics at grade B or higher.

① Relevant when combined with A level Mathematics grade A.

② Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

**Mathematics BSc (Hons)**

UCAS code: G100

Programme length: 3 years

**Mathematics MMath**

UCAS code: G101

Programme length: 4 years

If you enjoyed studying Mathematics at school and would like to study the subject in more depth, you should consider **G100** or **G101**. **G100** provides an excellent foundation for a wide range of careers. Students who opt for the four-year MMath programme are well placed to embark on a PhD or to take a research post in industry after graduation.

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

UCAS code: G108

Programme length: 4 (1+3) years

This programme provides a four-year route to a number of BSc (Hons) degree programmes offered in the Department of Mathematical Sciences. Students follow the Foundation Year and then can opt to follow one of the programmes offered in the Department:

- Mathematics BSc (Hons)
- Mathematics and Statistics BSc (Hons)
- Mathematics and Economics BSc (Joint Hons)
- French and Mathematics BA (Joint Hons)
- Mathematics and Business Studies BSc (Joint Hons)
- Mathematical Sciences with a European Language BSc (Hons)
- Mathematics and Computer Science BSc (Joint Hons)
- Mathematics with Finance BSc (Hons)
- Mathematics with Ocean and Climate Sciences BSc (Hons)
- Mathematics and Philosophy BA (Joint Hons)
- Physics and Mathematics BSc (Joint Hons).

**Mathematics and Statistics BSc (Hons)**

UCAS code: GG13

Programme length: 3 years

Statisticians are in great demand and if the subject appeals to you, you should consider **GG13**. Although you can do some Statistics modules in **G100**, you will do more in **GG13**.

**Mathematics and Economics BSc (Joint Hons)**

UCAS code: GL11

Programme length: 3 years

Consider studying Mathematics and Economics **GL11** if you really want to enhance your job opportunities. The two subjects come very much hand in hand and offer a firm foundation for your future career.

**French and Mathematics BA (Joint Hons)**

UCAS code: GR11

Programme length: 4 years

Many students choose to bring together the study of a language with Mathematics. This Joint Honours degree programme lets you develop skills in both French language and mathematical reasoning. You will explore French literature, culture, history and institutions, as well as learn how to write mathematical arguments, formulate problems in mathematical terms and solve them, and learn about mathematical structures. The programme includes a year abroad.



## Mathematical Sciences with a European Language BSc (Hons)

UCAS code: G1R9

Programme length: 4 years

If you would like to combine Mathematics with a foreign language – French, German or Spanish – this four-year degree should interest you. There are excellent career opportunities in organisations with international interests. You will spend a year studying abroad during this programme, so if you enjoy speaking French, German or Spanish you might like to enrol and see where it takes you.

## Mathematics and Business Studies BSc (Joint Hons)

UCAS code: GN11

Programme length: 3 years

This programme combines Mathematics and Business Studies in equal proportions, so is ideal if you want to pursue Mathematics to a high level and also take advantage of the Business Studies programmes.

The options available in Mathematics are very wide and you can to a large extent follow your own interests in the subject, specialising in the Pure side or taking Applied modules as well as those in Statistics and Operational Research.

## Mathematics with Finance BSc (Hons)

UCAS code: G1N3

Programme length: 3 years

This is one of our most popular degree programmes with great employment potential. The programme is designed primarily for those who wish to work in finance, insurance or banking after graduation. We have recently received accreditation from the Institute and Faculty of Actuaries. Currently our students can receive exemptions for CT1, CT2, CT3 and CT4 of the professional actuarial exams conducted by the Institute and Faculty of Actuaries, the Professional body for actuaries in the UK.

## Actuarial Mathematics BSc (Hons)

UCAS code: NG31

Programme length: 3 years

A course aimed at those students who see themselves working in the world of insurance, financial or governmental services, where actuarial mathematics plays a key role. We have recently received accreditation from the Institute and Faculty of Actuaries, the Professional body for actuaries in the UK (IFoA). Currently, our students can receive exemptions for CT1, CT2, CT3, CT4, CT5, CT6, CT7 and CT8 of the professional actuarial exams.

## Mathematical Physics MMath

UCAS code: FGH1

Programme length: 4 years

## Physics and Mathematics BSc (Joint Hons)

UCAS code: FG31

Programme length: 3 years

## Theoretical Physics MPhys

UCAS code: F344

Programme length: 4 years

Physics and Mathematics degrees are highly prized and our graduates have excellent career opportunities in industrial research and development, computing, business, finance and teaching. We offer one three-year BSc degree and two four-year degrees, MMath or MPhys, combining these two intimately related disciplines. These programmes provide a strong mathematical training, and mathematical techniques help you to deal with new ideas that often seem counterintuitive, such as string theory, black holes, superconductors and chaos theory.



Mathematical Sciences [www.liverpool.ac.uk/maths](http://www.liverpool.ac.uk/maths)



# Medicine

At Liverpool we've been training doctors for almost 200 years. Over that time we have developed a student focused community informed by the latest in innovative teaching, and strengthened by interdisciplinary research of unparalleled breadth and depth. As well as being proud of our past we're focused on your future. Alongside clinical knowledge, our extensive professional networks will help you develop the leadership, management and communication skills required in today's NHS.

*I chose Liverpool because I wanted to be part of an institution that doesn't just keep you cooped up in lectures and classrooms, but takes the learning into the 'real world'. The School were very quick to get us learning the clinical examinations in Year One, so that we could practise on patients in hospital from Year Two. That early exposure to clinical settings is a real benefit to being at Liverpool Medical School.*

**Mohammad Mansoor**  
Medicine and Surgery MBChB

## Good to know

### 293

Year One undergraduates in 2015

### 99.1%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)



Offers a Year in China

# Why choose Medicine at Liverpool?

## Enjoy an innovative and blended approach to learning

Through our blend of tutorials, lectures, case-based and technology-enhanced learning we ensure you benefit from the most appropriate teaching methods. Previous students, clinical teachers, patients, professionals and University staff are all regularly consulted to keep your curriculum at the leading edge.

## Start your professional career from day one

We're focused on developing your professionalism at an individual, team and organisational level. You'll study leadership, management and communication skills and understand the expected attitudes and behaviour of doctors, how to deal appropriately with patients and how to develop your reflective practice and self-regulation skills.

## Learn to lead teams

As a doctor you will need the ability to manage and lead within a team structure and with the uncertainties, ambiguities and complexities of diagnosis and treatment. It's challenging. We can help you meet this challenge by developing your effective leadership skills, including judgement, professionalism, compassion, honesty, courage, risk-assessment and self-awareness. Above all we'll help you develop your understanding of the shared behaviours and beliefs within the healthcare team. Our students' communications skills are recognised as excellent by our NHS partners.

## Develop your patient focus

Through understanding how to manage clinical risk you will gain an overarching sense of patient safety in practice. You will gain a deep understanding of human factors, engineering, team behaviours and continuous quality improvement strategies to help you prepare for today's patient focused health care setting.

## Gain practical experience through longer clinical placements

We can help you become a competent and compassionate doctor through longer placements. Our 'immersive' approach helps you to get to know the clinical team you work with, and build meaningful working relationships. Liverpool Medical School is pleased to have links with a large number of local NHS hospital and community trusts, across a wide geographical area in the North West. Our students are therefore exposed to a wide variety of clinical situations.

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including medicine, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Widening Participation

The School is committed to widening access to the medicine profession and aims to admit students with the greatest potential to make the best clinicians of the future. Guidelines for applicants offering non-traditional qualifications can be found on our website at [www.liverpool.ac.uk/medicine/undergraduate/admissions](http://www.liverpool.ac.uk/medicine/undergraduate/admissions)

Students progress to us from the Foundation to Health and Veterinary Studies (Year 0) programme and we support the Realising Opportunities Programme and our local Liverpool Scholars Scheme. Disabled applicants who are considering applying to the medicine programme are advised to consult HEOPS at [www.heops.org.uk/HEOPS\\_Medical\\_Students\\_fitness\\_standards\\_2013\\_v10.pdf](http://www.heops.org.uk/HEOPS_Medical_Students_fitness_standards_2013_v10.pdf) where information on standards of medical fitness to train for medical students can be found.

## Selection

Selection is based on your record of previous academic achievements together with performance in the appropriate medicine admissions tests and all the other information given in detail on the UCAS form, so you should be as specific as possible in completing your form. Candidates must demonstrate suitable evidence of healthcare career awareness/insight and a caring contribution to the community and a critical, coherent, and informative approach to written communication together with the values that embody and underpin good healthcare practice. All non-graduate applicants to the **A100** programme will have to take the UKCAT test; [www.ukcat.ac.uk](http://www.ukcat.ac.uk). Graduate applicants applying to either or both **A100/A101** programmes will be expected to sit GAMSAT. Details of GAMSAT are available at [www.gamsat.acer.edu.au/gamsat-uk](http://www.gamsat.acer.edu.au/gamsat-uk). You should not use more than four choices from the five available for medical programmes. If you wish you can use your fifth choice for an alternative programme without prejudice to your commitment to medicine. Invitation to interview is highly competitive and both academic and non-academic criteria inform the selection process.

Because of the competition, meeting the minimum academic and non-academic requirements does not guarantee that you'll receive an invitation to interview as only the most competitive individuals as assessed against our academic and non-academic criteria will be invited to interview. The Medical School reserves the right to vary offer conditions depending on a candidate's application. The selection procedure at Liverpool is currently a three-stage process which is competitive at each stage. The threshold for progressing through each stage usually varies from year-to-year depending upon the quality of applicants that year.

For further information on subject requirements and selection process, please see [www.liverpool.ac.uk/medicine/undergraduate/admissions](http://www.liverpool.ac.uk/medicine/undergraduate/admissions)

## Duty of care

Applicants to programmes in the School of Medicine should be aware that the professional body governing the practice of medicine (the General Medical Council) has specific requirements relating to the protection of both staff and patients. Students will be required to undertake an enhanced Disclosure and Barring services check, undergo an occupational health check and be tested for and/or immunised against a range of infectious diseases prior to patient contact. See [www.gmc-uk.org/education/undergraduate/undergraduate\\_policy/professional\\_behaviour.asp](http://www.gmc-uk.org/education/undergraduate/undergraduate_policy/professional_behaviour.asp) and [www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH\\_073132](http://www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_073132)

## Your future

Our programmes are for individuals who wish to become qualified medical practitioners. A diverse range of careers are open to you as a medical graduate, varying from medical science, perhaps laboratory-based research, through public health and the development of health care strategies to clinical practice in the hospital and community.

Over half of qualified doctors are general practitioners but there are opportunities for higher speciality training posts with in excess of 100 medical specialities available. Salary details can be found at [www.nhscareers.nhs.uk/working-in-the-nhs/pay-and-benefits](http://www.nhscareers.nhs.uk/working-in-the-nhs/pay-and-benefits)

Doctors can be found working in areas related to medicine such as ships doctors, international aid, medical journalism, research and medical education and there are other opportunities outside medicine such as law, management and the pharmaceutical industry.



### How you learn

The School uses a mix of interactive and didactic lecturing; case based learning, small group teaching, clinical skills and simulation workshops, Human Anatomy Resource Centre (HARC) sessions, clinical placements and technology-enhanced learning.

You have the opportunity to take a year out from the medical programme to study for an additional, intercalated degree, BSc or master's. A wide variety of subjects are available, examples range from basic sciences, humanitarian aid, to translational, bench to bedside research.

Lastly, the research and scholarship component of the course allows you the opportunity to develop an area of scholarly interest to pursue during your MBChB.

### How you are assessed

Both formative and summative assessment takes place within the course. There is an increased emphasis on assessment for learning through the use of subject specific tests such as quizzes, anatomy spotters and formative Objective Structured Clinical Examinations (OSCEs).

### Which degree

The Medical degree MBChB (**A100**) is a five-year programme and is the flagship degree of the School. We also have a graduate entry four-year medical programme for Biological, Biomedical and Health Science graduates (**A101**) and a three-year route for dentists wishing to take a medicine degree as part of the training route for oral and maxillofacial surgery. In addition there is a six-year Health Sciences foundation route for those without traditional qualifications.

### Clinical elective

You also undergo a five-week clinical elective in which you explore a branch of medicine in greater depth. Most students choose to undertake their electives outside the UK, to observe how medicine is practised in another country and to experience a different social, cultural and physical environment.

These electives encourage you to develop personal interests and provide you with valuable insight into specialities.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Medicine and Surgery MBChB A100</b> 5 years	AAA <sup>①</sup>	36	Not accepted in lieu of A levels	212
<b>Medicine and Surgery MBChB (Graduate Entry) A101</b> 4 years	<sup>②</sup>			213
<b>Foundation to Health and Veterinary Studies (Year 0) (Medicine Pathway) 789S</b> 1 year	<sup>③</sup>			213

Three A levels must be offered including Biology (A), Chemistry (A), plus a third academic subject (A). General Studies, Critical Thinking and Citizenship Studies are not accepted as the third A level subject. Usually a minimum 15 points should be obtained from a minimum of nine GCSE subjects (A or A\* = 2 points, B = 1 point). Apart from Core and Additional Science, each subject will be awarded no more than two points, and the nine subjects studied must include: Mathematics, English, Core and Additional Science or individual Biology, Chemistry and Physics. Preference may be given to applicants with a higher GCSE score. Evidence of healthcare awareness/insight and a caring contribution to the community will be required. Non graduates to the **A100** programme will be expected to sit the UKCAT admissions test. Applicants should consult our website for details of how the UKCAT test will be used. Graduates applying for the **A100** programme must meet specific minimum criteria as defined in our guidelines and are required to sit GAMSAT1. **Because of the competition, meeting minimum academic and non-academic requirements does not guarantee that you will receive an offer or an interview.** The Medical School reserves the right to vary offer conditions depending on a candidates application.

- ① Alternative offer conditions may apply.
- ② Students should have attained or expect to attain at least a good 2:1 degree in a biomedical/health science subject and a minimum of BBB at A level (to include Chemistry and Biology) and a fourth independent AS subject at a minimum of grade B. Further Mathematics is not accepted as a fourth A/AS level when offered with Mathematics A level. Minimum GCSE requirements of a grade C in English and Mathematics apply. Graduates are required to achieve performance above cut-off in the GAMSAT. The minimum GAMSAT score will be agreed annually, and if necessary on a competitive basis. Details of GAMSAT may be found at [www.gamsat.acer.edu.au/gamsat-uk](http://www.gamsat.acer.edu.au/gamsat-uk)
- ③ Foundation programmes have flexible entry requirements.  
Contact Sean Hollywood E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) for details.

For more information on entrance requirements, see [www.liverpool.ac.uk/medicine/undergraduate/admissions](http://www.liverpool.ac.uk/medicine/undergraduate/admissions)

## Medicine and Surgery MBChB

UCAS code: A100

Programme length: 5 years

The MBChB course at Liverpool:

- Encourages you to become an active learner and reflective practitioner
- Encourages you to become a holistic, patient-focused medical practitioner
- Integrates scientific principles of medicine with workplace learning in clinical settings
- Ensures a spiral curriculum in which themes are revisited throughout the length of the course, encouraging you to build on prior knowledge and skills
- Helps you develop the lifelong learning skills required in professional practice
- Promotes academic and leadership aspirations among our students to become more than competent practitioners.

The curriculum framework is based on the three main outcomes of Tomorrow's Doctors (GMC 2009): the Doctor as Scholar and Scientist, the Doctor as Practitioner and the Doctor as Professional. Each of these outcomes has a series of vertical themes to create a truly spiral curriculum. Four horizontal themes cut across the vertical themes to provide stage appropriate coverage of these important themes within each vertical theme.

The vertical themes which will run throughout the duration of the curriculum are The Science of Medicine, Research and Scholarship, The Chronically Ill Patient, The Acutely Ill Patient, Patient Safety, Leadership and Management and Professionalism. The four horizontal themes that will be integrated into each vertical theme are Psychology and Sociology as Applied to Medicine, Population Perspective (Public Health, Epidemiology and Evidence), Communication for Clinical Practice and Therapeutics.

### Post-graduation

Currently at the end of the undergraduate programme students receive their MBChB degree, which is a primary medical qualification (PMQ). Holding a PMQ entitles you to provisional registration with the General Medical Council.

Provisional registered doctors can only practise in approved Foundation Year One posts: the law does not allow provisionally registered doctors to undertake any other type of work. To obtain a Foundation Year One post students currently need to apply during the final year of their undergraduate course through the UK Foundation Programme Office selection scheme, which allocates these posts to graduates on a competitive basis. So far, all suitably qualified UK graduates have found a place on the Foundation Year One programme, but this cannot be guaranteed, for instance if there were to be an excessive number of competitive applications from non-UK graduates. Successful completion of the Foundation Year One programme is normally achieved within 12 months and is marked by the award of a Certificate of Experience. You will then be eligible to apply for full registration with the General Medical Council. You need full registration with a licence to practise for unsupervised medical practice in the NHS or private practice in the UK. Please be aware that regulations in this area may change from time to time.

There is some discussion about whether to remove provisional registration for newly qualified doctors. If this happens then UK graduates will receive full registration as soon as they have successfully completed an MBChB (or equivalent) degree. It should be noted that it is very likely that UK graduates will still need to apply for a training programme similar to the current Foundation Programme and that places on this programme may not be guaranteed for every UK graduate.

In addition the GMC is currently considering whether to introduce a formal assessment that all doctors would need to pass in order to be granted full registration. Although no firm decision has been taken as to whether or when such an exam will be introduced applicants should be aware that the GMC envisages that future cohorts of medical students will need to pass parts of a new UK Medical Licensing Assessment before the GMC will grant them Registration with a Licence to Practise.



In the interests of public safety, in accordance with Tomorrow's Doctors, and in your own best interests, information pertinent to your educational achievements and to your fitness to practise may be shared by Liverpool Medical School with training providers, employers, regulatory organisations and other medical schools. The MSC Excluded Students Database has been created to record students who have been excluded from a medical school on the grounds of fitness to practise. Thus in the interests of patient and public safety, the School of Medicine may share some of the information provided in your application form with the MSC in order to verify your fitness to practise. Any offer for the medical programme will be conditional on applicants having disclosed any previous fitness to practise findings against them and their consent being given to this use of information.

Please note: Graduates applying to the **A100** programme are subject to different entry criteria and there is currently the requirement for you to have taken GAMSAT. For further details please see [www.liverpool.ac.uk/study/undergraduate/courses/medicine-and-surgery-mbchb/overview](http://www.liverpool.ac.uk/study/undergraduate/courses/medicine-and-surgery-mbchb/overview)

## Medicine and Surgery MBChB (Graduate Entry)

**UCAS code: A101**

Programme length: 4 years

The **A101** medical programme has been developed specifically for students who are expecting to achieve at least a good 2:1 Honours degree in a Biological, Biomedical or Health Science subject. Other additional subject and grade requirements exist. There is also a guaranteed interview scheme for applicants on the Liverpool BSc Honours programmes and pathways in the School of Life Sciences and a shortened three-year route for dentists wishing to pursue a career in oral and maxillofacial surgery. There are usually 29 places available annually for the **A101** programme; two of these are for OMFS students.

The University of Liverpool requires a GAMSAT result as part of the entry requirements for graduates applying to medical programmes. Further details of GAMSAT can be found here: [www.gamsat.acer.edu.au/gamsat-uk](http://www.gamsat.acer.edu.au/gamsat-uk). The only exception to this is for dentists applying to the oral-maxillofacial route. The latter route has an independent selection process. For full details of subject requirements, the selection process and details of both the guaranteed interview scheme and oral-maxillofacial route please see [www.liverpool.ac.uk/medicine/undergraduate/admissions](http://www.liverpool.ac.uk/medicine/undergraduate/admissions)

**Please note:** There are no places for overseas students on the Graduate **A101** programme.

## Foundation to Health and Veterinary Studies (Year 0)

**UCAS code (Medicine Pathway): 789S**  
Programme length: 1 year

The University of Liverpool, in collaboration with local FE partners, has developed a Year Zero foundation programme for Home/EU students that leads to access onto a variety of vocational Health Studies programmes. Students seeking entry to Medicine study at Carmel College, St Helens.

Please note students who have applied for undergraduate programmes in the School of Medicine would not normally be considered for this route, which is specifically targeted at Home/EU adult learners with appropriate workplace experience or young people with vocational rather than A level qualifications.

When applying, you must ensure that you apply for one programme that you wish to progress onto. Multiple applications will be rejected and result in disappointment. We will also not consider applications from applicants who have multiple UCAS applications for a variety of programmes, as this does not demonstrate a clear commitment.

For further information on how to apply to this programme please contact Sean Hollywood on T: +44 (0)151 794 9490 E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) or visit [www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studies-year-0/overview/)

# Modern Languages and Cultures

Go beyond the 'tourist experience' with Modern Languages and Cultures at Liverpool and develop an understanding of the literary, historical, cinematic, political and linguistic context of a wide-ranging and unique set of world cultures in a department that is constantly innovating to offer new programmes and new teaching approaches. All our programmes offer a year abroad. This experience means you will gain a much greater knowledge and appreciation for your chosen language, as well as a set of professional and personal skills proven to enhance your employability.

*The Department's blend of theory and practice was a significant factor in my decision to study at Liverpool. What first caught my attention was the mix of linguistic and cultural modules in both French and Spanish that other universities did not offer. I have also had the opportunity to explore the role of language in a cultural context through department-run events such as "Iberian Week" and via culture modules that focus on a range of topics from cinema and digital art to history and politics.*

**Nicola Michael**  
Modern Language Studies BA (Hons)

## Good to know

### 115

Year One undergraduates in 2015

### 100%

are satisfied overall with their programme (NSS 2015)

### 85.2%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)



Offers study abroad opportunities



Film Studies offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose Modern Languages and Cultures at Liverpool?

## Benefit from our mixture of traditional and innovative teaching

Join Modern Languages and Cultures and you will be part of a department with a long and prestigious research tradition: French, German, Italian and Spanish have been taught here for over 100 years; we teach Catalan and Portuguese, and are the only UK university with research-led modules in Basque language and culture. We recently introduced a new Chinese programme which benefits from our exclusive links with Xi'an Jiaotong-Liverpool University, China. Modern Languages and Cultures also offer specialist modules in Film Studies

## Broaden your understanding of language and culture with a year abroad

Whether you study languages as a Single Honours degree or as a Minor, you have the opportunity to spend a year abroad as part of your programme.

You'll spend your third year teaching English, attending university, completing a work placement or working for a non-government organisation (NGO) in one or more countries relevant to the language or languages you are studying. This opportunity offers you a unique first-hand experience to step out of the classroom and immerse yourself in the country's culture and develop your language skills further. It's also a fact that studying abroad gives you a head start in getting a job after you graduate, with around 60% of employers, from a variety of industries, saying that international study enhances employability.

## Enhance your learning with our wide-range of teaching methods

You will be taught by professional language teachers, including native-speaker teachers and a research-active team of more than 30 members of staff. You will also have access to the Department's own specialist library, which is stocked with language learning materials, an extensive foreign language film collection and houses a satellite TV suite where you can watch television in a number of languages. We also integrate translation and lab sessions into all our language programmes, ensuring you will continue to develop and improve your speaking, listening, interpreting, reading and writing skills using the latest language learning software in our brand new language lab.

## Prepare for your future career

We place a strong emphasis on employability, through extra-curricular activities, a close partnership with the Careers & Employability Service and excellent links with UK and European employers. This ensures that you are helped to plan ahead for your career from the start of your degree.

## Thrive in a challenging yet supportive community environment

Our friendly teaching staff, including your personal academic adviser, will be on hand to offer advice and guidance. You will be able to take part in research-led events organised by the Department, such as writer in residence readings and translation workshops. You can also get involved in the numerous student societies which run social and cultural events such as film screenings. You can also stay in contact with your tutors and classmates during your year abroad through our dedicated networking site (PebblePad with Flourish).



## Year abroad

All of our programmes feature a year abroad in the third year for which reduced fees apply. Students studying two languages will normally split the year between two countries. Three year programmes are available for those who, for good reason, are unable to go abroad.

This year can be spent teaching English, attending university or completing a work placement in commerce or at a non-governmental organisation (NGO) in one or more countries where the target language is spoken. We currently have links with universities in Aix, Marseille, Alcalá, Alicante, Barcelona, Bari, Bremen, Bonn, Dijon, Girona, Göttingen, Grenoble, Lisbon, Lyon, Macerata, Padova, Palermo, Paris, Porto, Rennes, Rome, Salzburg, Santiago de Compostela, Toulouse, Valladolid and Würzburg. Recent work placements in France include Google, IBM, International Chamber of Commerce, Nestlé, Alcatel-Lucent, Canal+ and Moët et Chandon. In Germany: AbeBooks, Bayer Pharma AG, Bloomberg, Google, Henkel, Institute for Cultural Diplomacy, Pysma, Siemens, KERN Global Language Services, Bosch and Zaenker & Kollegen. In Italy: RAI (Italian National Broadcasting Company), Alice in Citta and Mark Warner. In Spain: Bosch, Domènech Abogados, EADS, Google, Netmaps, Lansing Language Consulting, Hola Magazine, Summon Press and the British Chamber of Commerce. In Latin America (including Voluntary and International Development): Task Brasil (Brazil), British Institute (Chile), the British Council, (Colombia) Santa María Education Fund (Paraguay), Traveller not Tourist (Peru).

Other countries where students have recently spent the year abroad include: Argentina, Austria, Belgium, Bolivia, Canada, Cuba, Ecuador, Luxembourg, Portugal, Réunion, Mexico, Switzerland, Uruguay and Venezuela.

Spending a year abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information, visit [www.liverpool.ac.uk/modern-languages-and-cultures/undergraduate/year-abroad](http://www.liverpool.ac.uk/modern-languages-and-cultures/undergraduate/year-abroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling students the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. Please note in the Department of Modern Languages and Cultures this is available for Film Studies only, when not combined with a modern language. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

We are justifiably proud of our excellent record on graduate employment. Our graduates go on to careers in all sectors worldwide. These include the media, industry and commerce, finance, local and central government, administration, translation, interpreting and teaching in schools and universities.

Many of our students also undertake postgraduate study, either in our own department or, for example, on a PGCE, translation or law conversion course.

All students have the opportunity to gain employability skills and work experience and we work closely with the University Careers & Employability Service to ensure that the curriculum delivers the skills that graduate employers are looking for.

The year abroad also offers an excellent opportunity to develop these skills. Employers really value graduates who have an international experience as part of their degree studies and this is demonstrated by the wide range of local, national and international employers that our graduates work for.

In partnership with the Careers & Employability Service, we hold an annual Languages Careers Fair, which is attended by some 20 language-related employers who are always keen to meet with our students. The event is always highly regarded by those who attend. The European Commission visits annually to talk to students about translating and interpreting careers within the EU.

*Continued over...*

Careers & Employability Service sessions that our students have taken part in this year include commercial and business awareness, networking skills, how to make the most of careers fairs and employability workshops that include meetings with employers and language graduates.

### How you learn

You will be taught in a mixture of formal lectures, seminars and small group tutorials where a friendly environment prevails and great attention is paid to giving feedback on assessed work. In language classes, we make every effort to ensure that we have a relatively small number of students compared to competitor institutions, which means that academic staff are able to track the progress of individual students and intervene to improve learning. The vast majority of modules involve some continuous assessment.

Language tuition takes place in small groups with native speakers playing a prominent part and includes a range of skills such as listening, writing, speaking, interpreting and translation. Students are also expected to make regular use of our language learning facilities to enhance their own study. We encourage our students to become independent learners, and support them through our dedicated library resources, e-learning initiatives and structured tasks outside the classroom.

### Which degree

Are you passionate about languages? Our flagship **Modern Language Studies** degree allows you to study up to five languages during your degree, three of which can be studied from scratch.

Interested in one particular language area and culture? Our Single Honours degree programmes in **French**, **German**, and **Hispanic Studies** will give you a solid, in-depth and wide-ranging knowledge of that subject area.

Want to combine two language areas, or a language with another subject? Our Major/Minor and Joint degrees let you combine our languages in many flexible ways.

Want to explore Spain, Portugal and Latin America? Our programme in **Hispanic Studies** gives you the opportunity to study the diverse languages, cultures and societies of Spain, Portugal and Latin America – we teach **Spanish**, **Portuguese**, **Catalan** and **Basque**.













Interested in studying Film? **Film Studies** can be taken as a joint degree programme with many other subjects, and specialist film modules are offered in each language area.

### Honours Select

Our programmes combine well with a wide variety of subjects, including History, English, Business Studies, Communication Studies and Philosophy.




# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>French BA (Hons) R120</b> 4 years 	ABB	33	Applications considered <sup>①</sup>	220
<b>German BA (Hons) R220</b> 4 years 	ABB	33	Applications considered <sup>①</sup>	222
<b>Hispanic Studies BA (Hons) RR45</b> 4 years 	ABB	33	Applications considered <sup>①</sup>	223
<b>Spanish</b> 				224
<b>Catalan</b> 				225
<b>Portuguese</b> 				225
<b>Basque</b> 				226
<b>Italian Studies</b> 				227
<b>Italian</b> 				227
<b>Chinese Studies</b> 				227
<b>Chinese</b> 				228
<b>Film Studies</b> 				229
<b>Modern European Languages BA (Hons) T900</b> 4 years	ABB	33	Applications considered <sup>①</sup>	228
<b>Modern Language Studies BA (Hons) R910</b> 3 years <sup>②</sup>	ABB	33	Applications considered <sup>①</sup>	228
<i>Degrees offered with other departments</i>				
<b>Mathematical Sciences with a European Language BSc (Hons) G1R9</b> 4 years	See Mathematical Sciences			204
<b>French and Mathematics BA (Joint Hons) GR11</b> 4 years	See Mathematical Sciences			203
<b>Law with French LLB (Hons) M104</b> 4 years	See Law			177
<b>Law with Spanish LLB (Hons) M108</b> 4 years	See Law			177

**R120** requires A level French at grade B. **R220** requires A level German at grade B (for entry to advanced German) or A level in another language at grade B (for entry to beginners' German). **RR45** requires A level Spanish at grade B (for entry to advanced Spanish) or A level at grade B in another language (for entry to beginners' Spanish). For **T900** two relevant modern language A levels are required: one at grade A and one at grade B.

- <sup>①</sup> We evaluate each BTEC application on its merits and may make offers at DDM, with an A level or equivalent in relevant language.
- <sup>②</sup> For those who are unable, for good reason, to go abroad our degrees may be taken as a three-year route through **R910**.

 Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

# French Studies

French is not merely the language of France but one of the world's most important languages in terms of speaker numbers and its role in science, industry and international diplomacy. Fluency in French opens up dynamic and fast changing parts of the world outside Europe, including North Africa, Sub-Saharan Africa, as well as parts of the Caribbean, the Indian Ocean and the Pacific.

A mastery of this language brings with it access to cultural products including world literature and cinema, but also important social, cultural, historical and linguistic debates.

At the University of Liverpool, we take a broad approach to the study of French. Whilst the perfection of language skills is at the heart of modern languages degrees in Liverpool, all our degrees demand a full intellectual engagement with a wide selection of areas in French studies.

As a subject group, we have a strong interest in looking at French in and beyond France, with the expectation that students will look at French in the Caribbean, Quebec, Africa and Asia. In addition, we cover aspects of French studies from various historical, social, literary, filmic and linguistic aspects, ensuring that we not only teach traditional areas of interest but are committed to ensuring students understand better the questions that people are asking themselves across the French-speaking world, from Port-au-Prince to Paris, from Montreal to Marseille, from Guadeloupe to Geneva.

**French BA (Hons)** 100 75

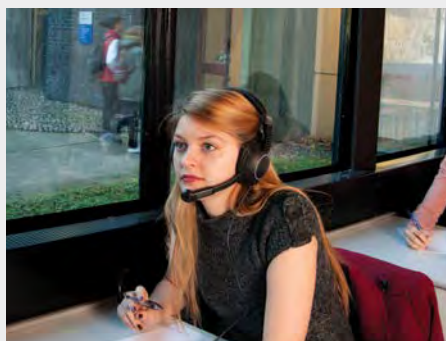
**UCAS code: R120**

**Programme length: 4 years**

In Year One, you will study language modules as well as foundation modules, which serve as a broad introduction to the literary, cultural and historical modules offered in the subsequent years of the degree. You will also take a 'Language Awareness' module in Year One which is designed to support your language learning by sensitising you to issues in language and linguistics. During your second and final year you will take language modules, plus content modules which cover the spectrum of French studies – from the history of the book and Renaissance texts discussing the New World, to Caribbean literature, contemporary French sociolinguistics, and collaboration during the Second World War. You may also, subject to approval, select relevant modules from the range of modules offered within the wider School of Histories, Languages and Cultures, including modules from Film Studies.

You will spend one year in a French-speaking country as an assistant in a school, as a student at a partner Erasmus+ university, or on a work placement. During this year, you will complete an extended essay or portfolio in French or follow courses at your chosen university.

If you combine Major French with a Minor in another language, you may choose to spend half the year abroad in a French-speaking country.



## French Joint <sup>60</sup>

Studying French at 50% will enable you to become highly proficient in writing, reading, speaking and listening to the language, and will introduce you to the study of important social, cultural, historical and linguistic debates, as well as world literature and cinema. In each year of your programme, you will study two language modules plus two content modules which cover the spectrum of French studies, from the history of the book and Renaissance texts discussing the New World, to Caribbean literature, contemporary French sociolinguistics, and collaboration during the Second World War.

You may also select relevant modules from the range of modules offered within the wider School of Histories, Languages and Cultures, including modules from Film Studies. French can be studied in combination with both language and non-language subjects to offer you the benefits and enhanced employability that language skills and intercultural awareness provide.

If you combine French with a non-language subject, you will spend one year in a French speaking country as an assistant in a school, as a student at a partner Erasmus+ university, or on a work placement.

If you combine French with another language, you will spend half the year abroad in a French speaking country as a student at a university, as an assistant in a school or on a work placement. During the time you spend in a French-speaking country you will complete an essay or portfolio in French or follow courses at your chosen university.

## French Minor <sup>25</sup>

Studying French language as a Minor at 25% of your degree will enable you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the cultures and societies of France and the French-speaking world. French is only available as a Minor at 25% to students who already have an A level in French. A year abroad is highly recommended, but not compulsory, for French as a Minor subject.

You may spend a year in a French-speaking country as an assistant in a school, as a student at a partner Erasmus+ university, or on a work placement. During this year, you would complete an extended essay or portfolio in French or follow courses at your chosen university. If you combine Minor French with a Major in another language, you may choose to spend half the year abroad in a French-speaking country.

## German Studies

German is a major language of business, commerce and science, as well as the gateway to a vibrant and modern multicultural society with a rich and complex past. German is, with over 90 million native speakers, the most widely spoken language in the European Union, and Germany is the UK's biggest trading partner in the EU, and second only to the US in the world. We will help you to become highly proficient in writing, reading, speaking and listening to contemporary German, but also help you to understand the society, history, politics, linguistics, culture, literature and cinema of Germany, Switzerland and Austria.

German graduates are some of the most highly sought after by employers and our German students are particularly well-placed to achieve their full potential in the workplace. We have excellent links with a wide-range of German employers across all sectors: from financial to energy companies, manufacturers to retailers, including Aldi, Bosch, Daimler-Chrysler, Enterprise Rent-A-Car, KPMG, Npower and Siemens. These links are used frequently to help students find work placements on the year abroad or to secure graduate jobs.

Whilst the perfection of language skills is at the heart of modern languages degrees in Liverpool, all our degrees demand a full intellectual engagement with a wide selection of areas in German studies. We research and teach German culture, literature and film in the 19th to 21st centuries, the Holocaust, contemporary Berlin, linguistics and translation, and much more.

*Continued over...*



Our students participate in a number of extracurricular activities, including the regular writer-in-residence programme and the Sauerkraut Cup inter-university football tournament run by the German Academic Exchange Service (DAAD), and regularly win prestigious DAAD Summer School Grants.

### German BA (Hons) <sup>100 75</sup>

**UCAS code: R220**

**Programme length: 4 years**

In Year One you will study advanced or beginners' language modules as appropriate, as well as foundational modules which serve as a broad introduction to the literary, cultural, film, linguistic and historical modules offered in the subsequent years of the degree. You will also take a 'Language Awareness' module in the first year which is designed to support your language learning by sensitising you to issues in language and linguistics, and a 'Texts and Context' module which develops your research skills through a portfolio of tasks structured around reading a key literary text. During your second and final year you will take language modules plus cultural options which have a strong emphasis on both modern and contemporary Germany, and on the place of Germany in Europe and the world. For students taking German at 100% you will follow a research pathway in your second and final year which culminates in a dissertation on a subject of your choice.

You will spend one year in a German-speaking country as an assistant in a school, as a student at a university or on a work placement. During this year, you will complete an extended essay or portfolio in German or follow courses at your host university.

If you combine Major German with a Minor in another language, you may choose to spend half the year abroad in a German-speaking country.

### German Joint <sup>60</sup>

Studying German at 50% will enable you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand the society, history, politics, linguistics, culture, literature and cinema of Germany, Switzerland and Austria. German may be taken from A level or as a beginners' language, subject to our entry requirements (normally an A level in another language or other evidence of linguistic aptitude). In the beginners' pathway, German can be taken all the way to degree level in the final year. In the first year our vibrant programmes at advanced level will both refresh and extend your knowledge of German. If you are a beginner a fast moving programme will quickly take you to A level standard during the course of your first year.

If you combine German with a non-language subject, you will spend one year in a German speaking country as an assistant in a school, as a student at a university or on a work placement. If you combine German with another language, you will spend half the year abroad in a German speaking country as a student at a university, as an assistant in a school or on a work placement.

### German Minor <sup>25</sup>

Studying German language as a Minor subject at 25% of your degree will enable you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the societies and cultures of Germany, Switzerland and Austria. As a Minor, German may be taken from A level or as a beginners' language. In the beginners' pathway, German can be taken all the way to degree level in final year.

A year abroad is highly recommended, but not compulsory, for German as a Minor subject. You may spend one year in a German-speaking country as an assistant in a school, as a student at a university or on a work placement. During this year, you would complete an extended essay in German or follow courses at your host university. If you combine Minor German with a Major in another language, you may choose to spend half the year abroad in a German-speaking country.

# Hispanic Studies

Hispanic Studies covers the languages, literatures, cultures and histories of Spain, Portugal and Latin America. Liverpool is one of the few UK universities to offer Basque, Catalan and Portuguese Studies, which makes our programmes more diverse and stimulating than many. Spanish and Portuguese are truly global languages; Spanish has over 400 million speakers and Portuguese has over 200 million. At the University of Liverpool we take a pluricultural and plurilingual approach to the Luso-Hispanic World. We have a strong interest in looking at Spanish in and beyond Spain with an emphasis on the variety of different languages and cultures encountered both on the Iberian Peninsula and in Latin America. As one of the longest established centres for the study of Latin America, we have considerable expertise in Latin America, which will add further depth and breadth to your degree and lets you specialise in Latin American Studies from Year Two. Not only will you become a confident reader, writer, listener, and speaker of Spanish, you will also gain a thorough understanding of many aspects of Hispanic Studies.

Teaching throughout all four years of your degree is informed by this plurilingual and pluricultural understanding of the Luso-Hispanic world, and you will have the opportunity to choose from the wide range of languages on offer. Most of these languages can be studied in a range of combinations with other languages and subjects. We have a vibrant community of students who are involved in a wide range of extra-curricular activities including Iberian Week and Latin American Week, the Lusophone and Hispanic Film Clubs, an annual Symposium, Visiting Writers, and much more.

**Hispanic Studies BA (Hons)**  

**UCAS code: RR45**

**Programme length: 4 years**

Each year you take two modules in Spanish language at the appropriate level, plus students of advanced Spanish will take two further modules in Portuguese, Catalan or Basque which you will learn from scratch if you take Hispanic Studies as a Major or as a Single Honours degree. In Year One you will also take foundational modules which introduce Iberian and Latin American histories, languages and cultures; students of advanced Spanish taking Single Honours will also take a 'Language Awareness' module, which is designed to support your language learning by sensitising you to issues in language and linguistics, and a module on Iberian Literature.

During your second and final year you complement your study of Spanish and Catalan, Basque and Portuguese by choosing four (two for a Major) modules from a wide range including options on Latin American Literature and Cultures, Basque, Brazilian, Latin American and Spanish Cinema and Spanish literature from medieval to modern times. You may also, subject to approval, select relevant modules from the range of modules offered within the wider School of Histories, Languages and Cultures, including modules from Film Studies.

At the University of Liverpool Spanish may be taken from A level or as a beginners' language, subject to our entry requirements (normally an A level or equivalent in another language or other evidence of linguistic aptitude). In the first year our vibrant programmes at advanced level will both refresh and extend your knowledge of Spanish. If you are a beginner a fast moving programme will quickly take you to A level standard during the course of your first year.

*Continued over...*



You will spend one year working in a Spanish, Basque, Catalan or Portuguese-speaking country as an assistant in a school, as a student at a university or on a work placement. During this year, you will complete an extended essay or portfolio in Spanish or in the other languages or follow courses at your host university. It is possible to divide the year abroad between Spanish, Catalan, Basque and Portuguese-speaking areas.

If you combine Major Hispanic Studies with a Minor in another language, you may choose to spend half the year abroad in a Spanish, Catalan, Basque or Portuguese-speaking area.

### Hispanic Studies Joint <sup>50</sup>

Studying Hispanic Studies at 50% will enable you to become highly proficient in writing, reading, speaking and listening to Spanish with the option of studying a second Iberian language from Year Two. It will also help you to understand the society, history, politics, linguistics, culture, literature and cinema of the Luso-Hispanic world.

In Year One you will also take foundational modules which introduce Iberian and Latin American histories, languages and cultures.

During your second and final year you will study two Spanish language modules at the appropriate level plus two content modules from a range of options on Latin American Literature, Latin American and Spanish cinema and Spanish literature from medieval to modern times. You may also, subject to approval, select relevant modules from the range of modules offered within the wider School of Histories, Languages and Cultures. From your second year onwards, if you are studying advanced Spanish, you have the option of studying another Iberian language from beginners' level for your optional modules.

At the University of Liverpool Spanish may be taken from A level or as a beginners' language (subject to our entry requirements – normally an A level in another language or evidence of linguistic aptitude). In the first year, our vibrant programmes at advanced level will both refresh and extend your knowledge of Spanish. If you are a beginner, a fast moving programme will quickly take you to A level standard during the course of your first year.

In Year Three you will spend one year in a Spanish-speaking country (or if relevant, Basque or Catalan-speaking region or Portuguese speaking country) as an assistant in a school, as a student at a university or on a work placement. During this year, you will complete an extended essay or portfolio in Spanish or follow courses at your host university.

If you are combining Hispanic Studies with another language, you will spend half the year abroad in a Spanish-speaking country, or if relevant, Basque or Catalan-speaking region or Portuguese-speaking country.

### Spanish Minor <sup>25</sup>

Studying Spanish language as a Minor at 25% of your degree will help you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the society and culture of Spain and of the Spanish-speaking world. At the University of Liverpool, Spanish may be taken from A level or as a beginners' language. Spanish is one of the world's most widely spoken languages with considerable global reach. Fluency in Spanish opens up dynamic and fast-changing parts of the world outside Europe, including North, Central and South America as well as the Caribbean. A mastery of this language brings with it not only access to cultural products including world literature and cinema, but also important social, cultural, historical and linguistic debates.

In Year One our vibrant programmes at advanced level will both refresh and extend your knowledge of Spanish. If you are a beginner, a fast moving programme will quickly take you to A level standard during the course of your first year. A year abroad is strongly encouraged though not compulsory. If you do opt to take a year abroad, your time will be spent in a Spanish-speaking country as an assistant in a school, as a student at a university or on a work placement. During this year, you will complete an extended essay or portfolio in Spanish or follow courses at your host university.

## Catalan Minor <sup>25</sup>

Studying Catalan language as a Minor at 25% of your degree will help you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the society and culture of the Iberian Peninsula. At the University of Liverpool, Catalan is taken as a beginners' language. Catalan is a Romance language spoken by about 10 million people in the world and it is spoken in four countries (Spain, Andorra, and also in some parts of France and Italy). It has a long and rich literary and cultural history and is currently a hot topic in national and international media due to its independence movement. A mastery of this language brings with it not only access to cultural products, including world literature and cinema, but also important social, cultural, historical and linguistic debates from the literary work of Ramon Llull to the independence movement, Football Club Barcelona and the outstanding works by Antoni Gaudí or Salvador Dalí.

In Year One our vibrant and fast-moving course will quickly take you to A level standard. In Years Two and Four expert tuition in small groups will provide you with the opportunity to approximate native or near-native standards. A period of study and residence abroad is not a requirement of Catalan as a Minor but it is strongly encouraged.

If you do opt to spend a year abroad, your time will be spent in a Catalan-speaking country as an assistant in a school, as a student at a university or on a work placement. During this year, you will complete an extended essay or portfolio in Catalan or follow courses at your host university.

If you combine Minor Catalan with another language, you may choose to spend half the year in a Catalan-speaking region.





## Portuguese Minor <sup>25</sup>

Studying Portuguese language as a Minor at 25% of your degree will help you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the society and culture of Portugal and the Portuguese-speaking world. At the University of Liverpool, Portuguese is taken as a beginners' language. Portuguese is the seventh most widely spoken language in the world, spoken by over 200 million people in countries such as Portugal, Brazil, Angola, Mozambique and Cape Verde, as well as places such as Macau, East Timor and Goa.

Students of Portuguese at Liverpool learn both the Brazilian and the European variants of the language, and have the opportunity to explore the unique histories, societies and customs of the Portuguese-speaking world. Brazil's booming economy, currently the sixth largest in the world, means that learning Portuguese can open doors to employment in a variety of areas in virtually any sector including industry, tourism, teaching and translation. A mastery of this language brings with it access to cultural products including world literature and cinema, key debates in areas such as postcolonialism, culture and society.

In Year One our vibrant and fast-moving programme will quickly take you to A level standard. In Years Two and Four expert tuition in small groups will provide you with the opportunity to approximate near-native standards. A year abroad is strongly encouraged though not compulsory for Portuguese as a Minor subject. If you do opt to take the year abroad, your time will be spent in a Portuguese-speaking country as an assistant in a school, as a student at a university or on a work placement. During this year, you will complete an extended essay or portfolio in Portuguese or follow courses at your host university.

If you combine Minor Portuguese with another language, you may choose to spend half the year in a Portuguese-speaking country.

  Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over   30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.



For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

## Basque Minor <sup>25</sup>

Basque is a unique language that does not belong to any language family; it is spoken by around 850,000 people on both sides of the western Pyrenees in Spain and France. A mastery of this language brings with it not only access to cultural products, including world literature and cinema, but also important social, political, cultural, historical and linguistic debates.

Studying Basque language as a Minor at 25% of your degree will enable you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the society and culture of the Basque country.

At the University of Liverpool, Basque is taken as a beginners' language. In Year One our vibrant and fast-moving programme will quickly take you to A level standard. In Years Two and Four expert tuition in small groups will provide you with the opportunity to approximate near-native standards.

A year abroad is highly recommended, but not compulsory for Basque as a Minor subject. You may spend a year in a Basque-speaking region as an assistant in a school, or on a work placement. During this year, you will complete an extended essay or portfolio in Basque. If you combine Minor Basque with another language, you may choose to spend half the year abroad in a Basque-speaking region.



## Italian Studies

Italian is currently available as a Joint or Minor subject and can be studied in combination with both language and non-language subjects to offer you the benefits and enhanced employability that language skills and intercultural awareness provide.

The Italian language carries an unparalleled cultural capital. The Italian Renaissance laid the foundations for much of western values and culture of the last five centuries. Italy has produced remarkable figures such as Dante, Michelangelo, Galileo, Fellini and Eco, to name but a few. According to UNESCO, over 60% of the world's art treasures are found in Italy. A founding member of the European Community, today's Italy is one of the world's top exporters and is ranked amongst the world's largest economies; the UK is the country's third trading partner in the EU. Studying Italian allows you to explore the country's past and present from a privileged perspective.

Italian Studies at Liverpool provide an excellent opportunity to explore Italian culture in its many facets. Research is interdisciplinary and with an emphasis on the contemporary, and modules include Italian language, linguistics, cultural history, cinema, contemporary fiction and popular culture. Extracurricular activities include an Italian Cinema Club and an Italian Society, and an annual Italian-themed lecture, the Lucrezia Zaina Bequest Lecture, is hosted by the Vice Chancellor, with approximately 400 tickets reserved for the event every year. In Liverpool, cultural and institutional support is provided by the first Dante Alighieri Society to be founded in the UK and by a Consulate which fosters and enhances the local Italian heritage. We have offered our students the possibility of winning Italian government-sponsored scholarships for summer schools in Italy and continue to work on the expansion of both academic and business links with Italy to assist during the year abroad.

The Italian subject group at Liverpool consists predominantly of native speakers of Italian. We research and teach translation and interpreting, Italian film studies, contemporary literature, linguistics and cultural history.

## Italian Studies Joint <sup>50</sup>

Studying Italian at 50% will help you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand the society, history, politics, linguistics, culture, literature and cinema of Italy. At the University of Liverpool, Italian may be taken from A level or as a beginners' language (subject to our entry requirements – normally an A level in another language or other evidence of linguistic aptitude). In the beginners' pathway, Italian can be taken all the way to degree level in the final year.

Year Three of the degree is a compulsory year abroad. You may spend a year in Italy as an assistant in a school, as a student at university or on a work placement. During this year, you will complete an extended essay or portfolio in Italian or follow courses at your host university. If you combine Italian with another language, you can spend half the year abroad in Italy.

## Italian Minor <sup>25</sup>

Studying Italian as a Minor at 25% of your degree will help you to become highly proficient in writing, reading, speaking and listening to the language. It will also help you to understand aspects of the society and culture of Italy. At the University of Liverpool, Italian may be taken from A level or as a beginners' language. A year abroad is highly recommended, but not compulsory for Italian as a Minor subject. You may spend a year in Italy as an assistant in a school, as a student at university or on a work placement. During this year, you will complete an extended essay or portfolio in Italian or follow courses at your host university.

If you combine Minor Italian with another language, you may choose to spend half the year abroad in Italy.

# Chinese Studies

China currently has one of the largest economies in the world, and Chinese is the first language for over one billion people globally. Our Chinese Studies programme provides you with the skills to engage fully with China from different dimensions and perspectives, thereby opening the door to truly international employment opportunities.

A year abroad in China is mandatory for Chinese Studies at 50%, and highly recommended for Chinese Studies at 25%. The University of Liverpool has a partnership with Xi'an Jiaotong-Liverpool University (XJTLU). During the year abroad at XJTLU, you will fully immerse yourself in Chinese culture and society, enhance your language abilities, and follow courses on a whole range of topics, such as Modern Chinese Literature, Business and Enterprise in China, China's Digital Revolution, and even Classical Chinese.

Under Honours Select, you can combine Chinese with many subjects, for example: French, German, Italian, Spanish, English, Business, History, Politics, Philosophy, Economics, Law, Sociology, Film Studies, Communication and Media. You can also learn Chinese with two other languages as part of our BA in Modern European Languages (**T900**).

## Chinese Studies Joint <sup>50</sup>

Studying Chinese at 50% will enable you to become fully proficient in reading, writing, speaking, and listening to the language. You will also deepen your knowledge and understanding of Chinese society and culture. Modules range from learning about ancient Chinese civilisation to contemporary Chinese cinema, from Confucius and Laozi to Chairman Mao, from Peking opera to Chinese rock music.

**100 75** Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over **50 25** 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.



For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

## Chinese Minor <sup>25</sup>

Studying Chinese at 25% of your degree will enable you to become fully proficient in reading, writing, speaking, and listening to the language.

At the University of Liverpool, Chinese is taken as a beginners' language. In Year One our vibrant and fast-moving programme will quickly take you to A level standards. In subsequent years, expert tuition in small groups will equip you with intercultural knowledge and interpreting/translating skills for professional purposes, and you can expect to reach near-native level by graduation.

# Modern European Languages

## Modern European Languages BA (Hons)

UCAS code: T900

Programme length: 4 years

If you are a good linguist and want to achieve a high level of proficiency in several languages, our flagship multi-language programme will be ideal for you. This is a 100% Single Honours programme and cannot be studied on a 75, 50, or 25% basis; if you would like to focus on one or two of our languages, please see the individual entries for those languages.

Students following Modern Languages (Triple Subject) study at least two languages from advanced level, plus a third language from beginners' or advanced level. You have the option to begin a new beginners' language in second and final year.

In this programme, you may study French from A level; German, Spanish and Italian can be taken from beginners' or A level; and Catalan, Basque, Chinese and Portuguese can be taken from beginners' level. You will learn to speak, listen, read, write, translate and interpret to a high level in your chosen languages. There is an emphasis on languages in the context of contemporary culture and society and on their social and professional relevance. In each year of your studies, you will take six language modules (two per language), and choose two optional modules from different language areas.

The programme includes a compulsory year abroad split between at least two of your languages. You may spend the time abroad at a university, as an assistant in a school, or on a work placement. During the time abroad you will complete two essays or portfolios in the appropriate languages or attend an accredited Erasmus+ programme in your chosen country.

## Modern Language Studies BA (Hons)

UCAS code: R910

Programme length: 3 years

This is a three year degree programme which is available to those applicants who can prove with good reason that they are unable to undertake the year abroad required of the standard four-year degree programmes.



# Film Studies

Film Studies is a multidisciplinary subject with contributions from Communication and Media Studies and Music, as well as Modern Languages and Cultures. Our students come to us with a passion for film and an eagerness to develop their understanding of the medium and its influence, as well as to broaden the horizons of their film culture.

## Film Studies Joint and Minor 50 25

Films have been vital cultural outputs for over one hundred years. The context in which they are produced and distributed is constantly changing but their importance as documents of our times remains, as does the pleasure they give to audiences across the world and their potential influence on the way those audiences may see the world.

Film Studies at Liverpool offers you the chance to study with recognised scholars of film cultures and industries around the world, offering a wide-ranging and sophisticated academic programme in this critical field. Our students have an interest in world cultures and a desire to fully appreciate the ways in which these cultures have expressed themselves through film. We encourage you to become an independent learner, and support you through our dedicated library resources, including a wide variety of films from all periods and sources available for private study, e-learning initiatives and structured tasks outside the classroom.

Film Studies is currently available as a Joint or Minor subject. Students who choose to study Film Studies do so in combination with one of over 30 humanities subjects.

Subjects which combine particularly well with Film Studies include: Modern Languages, Communication and Media, Music and English.



# Music

In one of the most vibrant musical cities in the world, choosing to study at Liverpool means opening yourself up to a world of new experiences and possibilities. A degree from the Department of Music at Liverpool offers you the most flexible and innovative way to study. Whether you require a specialist programme in Classical Music, Popular Music, or Music and Technology, or want to combine your study of those areas, and whether you want to include audio-visual media, music psychology, music industry, music technology, world music, composition, performance, or a work placement, all of our programmes are not only flexible, but also both academic and vocational.

*My programme allows me complete flexibility in studying what I want, combining modules from both the classical and popular music sides. The lecturers are open-minded and I can tailor the modules to my interests, specialising in composition. Studying here has pushed me out of my comfort zone and expanded my horizons and my skills with composing, orchestration, software use, and researching have been vastly improved. I have also picked up industry knowledge and career help from across the University that will benefit me once I leave.*

**Chris Loxham**  
Music BA (Hons)

## Good to know

### 73

Year One undergraduates (FTE equivalent) in 2015

### 89%

are satisfied overall with their programme (NSS 2015)

### 1st

We were the 1st Department of Music to introduce dedicated, specialist popular music studies and research



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose Music at Liverpool?

## Enhance your learning with technology and audio-visual media

We offer a distinctive provision in the study of music in audio-visual media, including film and videogame music. This can be practical, oriented towards composition and technology, with dedicated AV composition resources; or theoretical, focusing on the critical study and analysis of music in different types of AV media.

## Take advantage of composition and song-writing opportunities

Traditional, electro-acoustic, and audio-visual composition, as well as popular composition/song-writing, are all represented in the department, celebrated most recently in the Open Circuit festival – a weeklong series of new music concerts and workshops that brought together world-leading performers and artists to perform new pieces by our staff and students.

## Develop your confidence through performance

Although performance is not compulsory, if you wish to pursue this route then, in addition to providing your individual tuition, we provide workshops and other forms of support to enhance your development as a performer. Among the many ensembles, the Department of Music runs a Symphony Orchestra, a University Choir, and a Chamber Choir, while the University's Music Society runs a wind orchestra, a brass band and a jazz band. We run a weekly professional lunchtime concert series, and our partnership with the RLPO affords opportunities for participating in composition and performance workshops with professional players. In addition, the Department is home to numerous pop and rock groups, covering many styles, and many of our students perform at local venues and open-mic nights. You will be encouraged to engage with performance activity even if you're not taking performance as a formal part of your study.

## Benefit from studying in a well-established Department

The Institute of Popular Music (IPM) is a research centre within the Department of Music, and one of the very first places to offer university-level provision in popular music. Founded in 1988, it remains at the forefront of popular music studies internationally. The Department is home to a significant archive of materials, including rare vinyls and recordings and in 2013 we hosted an international conference on Analysing Popular Music.

## Learn from music analysis and psychology experts

Several members of staff are dedicated to the study of music through the analysis of scores and performances, but also investigate music from psychological, cognitive and emotional perspectives. We offer a critical approach that encourages you to develop your own unique ways of analysing music from a broad range of repertoires and invites you to explore many new possibilities for appreciating the sonic experience of music.

## Thrive in an environment that is leading, innovating and vocational

Our approach to the study of music is one of the most forward-looking in the country, not only engaging equally with all types of music, but also bringing together students from all kinds of musical backgrounds. While we are a serious academic department, we also place a major emphasis on delivering modules that support vocation and employment.

## Study abroad

As part of your Music degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Music students may currently apply to study with one of our many worldwide partners. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Music, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Studying Music opens up many career opportunities. As well as jobs in music (from performance, composition, and production, through teaching, music therapy and community arts, to arts management and industry, and a lot more besides), employers in many sectors are increasingly seeking arts and humanities graduates for their transferable skills. As a music student you achieve creative flair and imagination, confidence in expressing yourself, an openness to new ideas, a capacity for hard work and an ability to analyse data. You learn the value of working with others towards a shared, finished product and a whole range of flexible, professional skills. We work closely with the University's award-winning Careers & Employability Service to offer a 30 credit, year-long module (SOTA300) which incorporates placement with a local company, group or institution related to your subject, providing practical/vocational experience. We have well established links with a number of partners that are relevant to future career opportunities: National Museums Liverpool, the Royal Liverpool Philharmonic Orchestra, local clubs and venues, local musicians from a wide variety of musical and cultural traditions, local independent cinema FACT, and local schools.



LIVERPOOL  
PHILHARMONIC

## How you learn

We employ a range of teaching methods, including lectures, seminars, tutorials, workshops, master classes, 1-2-1 instrumental lessons, ensemble coaching and online tasks and projects. The emphasis is on student participation and interaction. We fit the most appropriate mode of teaching to the particular subject, conscious that the learning process needs to be enjoyable, enabling you to acquire useful and marketable skills and knowledge. Each module has an individually determined system of assessment (by coursework, written paper, test, recital, composition or technology portfolio, presentation, examination, and combinations of these), and we select the method that best suits the nature of the module. There are also some work placements and volunteering roles available with the Royal Liverpool Philharmonic Orchestra (RLPO), as well as the RLPO's outreach programme 'In Harmony'.

## Which degree

Students can choose to focus on mainly classical music (**BA Hons Music**) or mainly popular music (**BA Hons Popular Music**) or combine the two (**BA Hons Music and Popular Music**), or to focus on technology (**BA Hons Music and Technology**). Each programme is flexible and this allows students to design a pathway that accommodates their particular interests. All programmes include the opportunity to study areas such as film music, world music, psychology, or society and culture. Similarly, all programmes include and provide the opportunity to focus more on practical areas such as performance, composition, and technology, or to focus more on historical, cultural, and theoretical areas.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Music BA (Hons) W300</b> 3 years  100 75 50 25	ABB-BBB <sup>①</sup>	33-30	Applications considered <sup>②</sup>	234
<b>Popular Music BA (Hons) W340</b> 3 years  100 75 50 25	ABB-BBB <sup>①</sup>	33-30	Applications considered <sup>②</sup>	235
<b>Music and Popular Music BA (Hons) W301</b> 3 years	ABB-BBB <sup>①</sup>	33-30	Applications considered <sup>②</sup>	235
<b>Music and Technology BA (Hons) W370</b> 3 years  100 75 50 25	ABB-BBB <sup>①</sup>	33-30	Applications considered <sup>②</sup>	236

A level Music at grade B is required for those wishing to take classical history/analysis/composition modules. Uniquely for a music programme, no formal music qualification is required for those pursuing a popular music specialism. Proficiency of performance on one instrument equivalent to ABRSM or Rock School grade 7 is required for those wishing to take performance modules.

- <sup>①</sup> Students who attain grade 8 at Distinction in any instrument or music theory will be considered for the lower offer.
- <sup>②</sup> BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.

## Music BA (Hons) 100

UCAS code: W300

Programme length: 3 years

In addition to practical areas, this programme focuses on developing an in-depth and critical historical understanding of classical music repertoires, cultures, and practices. Some modules are practical, concerned with musical performance, composition and orchestration, or creative music technology, although none of these are compulsory. Others focus on classical music history topics or music analysis. The remaining modules involve writing about music from a historical, critical, sociological, or philosophical viewpoint. Our studio and performance modules cater for both classical and popular musical styles.

## Music Major 75

In the first year, core modules look at classical music repertoire and history, as well as analysis, and culture. Options include performance, composition, technology, audio-visual music, world music, and music industry. In the second and third years, you focus in more detail on the areas (normally three) that interest you most (such as history, analysis, psychology, audio-visual, performance, or composition etc).

## Music Joint 50

In the first year, core modules look at classical music repertoire and analysis. Options include performance, composition, technology, audio-visual music, world music, and music industry. In the second and third years, you focus in more detail on the areas (normally two) that interest you most (such as history, analysis, psychology, audio-visual, performance, or composition etc).

## Music Minor <sup>25</sup>

In the first year, you take a core module in classical music repertoire, and then select an option such as performance, composition, world music, or technology. In the second and third years, you focus in more detail on the area that interests you most (such as history, analysis, psychology, audio-visual, performance, or composition etc).

## Popular Music BA (Hons) <sup>100</sup>

**UCAS code: W340**

**Programme length: 3 years**

In addition to practical areas, this programme focuses on developing an in-depth and critical historical understanding of popular music repertoires, cultures, and practices. Some modules are practical, concerned with musical performance, song-writing, or creative music technology, although none of these are compulsory. Others focus on popular music history topics or the music industry. The remaining modules involve writing about popular music from a historical, critical, sociological, or philosophical viewpoint. Our studio and performance modules cater for both classical and popular musical styles.

## Popular Music Major <sup>75</sup>

In the first year, core modules look at popular music repertoire, as well as popular music industry, and culture. Options include performance, technology, popular music theory, audio-visual music, world music, and music industry. In the second and third years, you focus in more detail on the areas (normally three) that interest you most (such as history, psychology, audio-visual, performance, or song-writing etc).

## Popular Music Joint <sup>50</sup>

In the first year, core modules look at popular music repertoire and history and industry. Options include performance, technology, audio-visual music, world music, and music industry. In the second and third years, you focus in more detail on the areas (normally two) that interest you most (such as history, psychology, audio-visual, performance, or song-writing etc).

## Popular Music Minor <sup>25</sup>

In the first year, you take a core module in popular music repertoire. Options include performance, technology, audio-visual music, world music, and music industry. In the second and third years, you focus in more detail on the area, that interests you most (such as history, performance, or song-writing etc).

## Music and Popular Music (Hons)

**UCAS code: W301**

**Programme length: 3 years**

In addition to practical areas, this programme focuses on developing an understanding of the repertoires, cultures, and practices associated with both classical and popular music. Some modules are practical, concerned with musical performance, composition and orchestration, song-writing or creative music technology, although none of these are compulsory. Others focus on music history topics or music analysis and theory. The remaining modules involve writing about music from a historical, critical, sociological, or philosophical viewpoint. Our studio and performance modules cater for both classical and popular musical styles.



## Music and Technology BA (Hons) <sup>100</sup>

UCAS code: W370

Programme length: 3 years

The Music and Technology programme allows you to specialise in the vocational areas of recording and production, electronic music, sound design and composition for film and video-gaming. At the same time as focusing on music technology, you will also select half of your modules from our degrees in Music and/or Popular Music. This means you can also study classical or popular music performance, classical or popular music composition, the music industry, and/or select from the wide range of historical and theoretical options.

## Music and Technology Major <sup>75</sup>

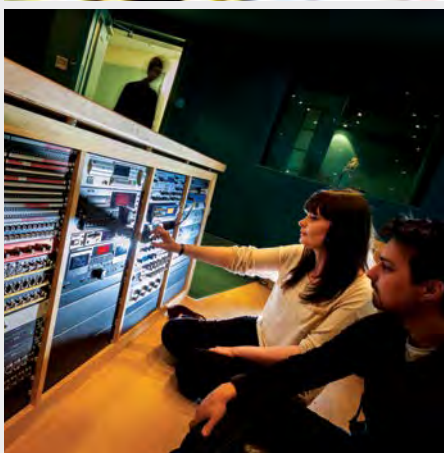
In the first year, core modules look at the foundations of creative music technology, sound, and production. Other options include performance, classical and popular history and theory, audio-visual music, world music, and music industry. In the second and third years, you develop your skills in areas such as electronic composition, MAX/MSP, AV composition and sound recording.

## Music and Technology Joint <sup>50</sup>

In the first year, core modules look at the foundations of creative music technology, sound, and production. In the second and third years, you develop your skills in areas such as electronic composition, MAX/MSP, AV composition, or sound recording.

## Music and Technology Minor <sup>25</sup>

In the first year, core modules look at the foundations of music sound and production. In the second and third years, you develop your skills in a chosen area, such as electronic composition, MAX/MSP, AV composition, or sound recording.





# Ocean Sciences

The University of Liverpool is an ideal place to study Ocean Sciences, with the National Oceanography Centre on campus. You will be taught in a highly supportive environment by world-leading scientists who are passionate about their subject. You will learn in award-winning laboratories and use our own research vessel, the Marisa. Our degrees are accredited by the Institute for Marine Engineering, Science and Technology. We will train you to become a scientist who can play a leading role in tackling some of the greatest challenges facing the world now and in the future.

*With a programme focused so heavily on the water column I felt it was necessary to have a suitable resource base to take advantage of. With the National Oceanography Centre on campus, and the close proximity to the River Mersey and its docklands, Liverpool is the perfect place to study Ocean Sciences.*

**Jonathan Payne**  
Ocean Sciences BSc (Hons)

## Good to know

### 92%

of our students said staff are good at explaining things (NSS 2015)

### 1st

UK university to open a Department of Oceanography



Offers study abroad opportunities



Offers a Year in China





# Why choose Ocean Sciences at Liverpool?

## Be inspired by our culture of research excellence in a friendly environment

You will be taught by world-class research-active staff working at the forefront of their fields. Research-led teaching ensures that you will learn about cutting-edge science before it is incorporated into textbooks. Project work, carried out within the research groups, will allow you to use research equipment and the latest techniques. All students have a personal tutor, who can offer guidance and support throughout your time at university. Our excellent staff to student ratio means you will never be an anonymous student and you'll have the opportunity to get to know all Ocean Sciences staff. You will also benefit from interaction with scientists from the National Oceanography Centre (NOC) in Liverpool, which is located on the University campus. Scientists from NOC supervise research projects and teach on modules in Years Three and Four.

## Develop as a scientist equipped to address global environmental problems

Our degree programmes are designed to produce scientists with a range of transferable skills, so you will develop the flexibility to go into either further scientific research, commercial or industrial work, or indeed any role that requires a high level of practical and analytical expertise. We train students to critically assess scientific hypotheses and concepts, and to construct suitable routes to solving novel problems. Benefit from our excellent facilities and exciting opportunities to make real world impact. Training in analytical techniques to study the marine environment is provided in the award-winning Central Teaching Laboratories using state-of-the-art analytical equipment. During fieldwork in Years One to Three and during Final Year projects, you will have access to our research vessel, the Marisa. Year Three projects are supervised by world-leading experts and so you can tackle real environmental issues.

Recent projects include using global ocean datasets to assess the spatial variation in sea level change, investigating the regional imprint of sea surface temperature changes, investigating the impact of oxygen minimum zones on deep sea benthic macro-faunal communities, and using simple models to investigate the impact of wind and storms on the physical structure and biology in the shelf seas.

## Ocean Sciences span across the traditional scientific disciplines

We are the only university in the UK to train Ocean Science students in data management and modelling using industry standard software. Students are trained in Year Two, so they can apply these skills in their research project in Years Three and Four. We have been a world-leader in Oceanography for over 170 years and many world firsts happened here, including the first observatory to study sea level and the world's first storm-surge prediction model – an updated version of which is still used by the UK Meteorological Office. In addition, methods for measuring essential ocean nutrients, such as phosphate and iron, were developed in Liverpool and are now used worldwide.

## Study abroad

As part of your Ocean Sciences degree at Liverpool you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Ocean Science students can currently apply to study abroad with a number of our worldwide partners. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Ocean Sciences, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

There has never been a better time to study Ocean Sciences: to understand how the oceans are warming, where sea level is rising, how the oceans are taking up carbon from the atmosphere, and how these changes are affecting plankton and marine life. Our degree programmes are designed to provide you with the skills to tackle these global environmental challenges. The vast majority of our recent graduates gained employment within a degree-related field or continued further within education and research after graduation.

## Work experience opportunities

We have close links with the National Oceanography Centre and each year, the Centre in Liverpool offers at least one competitive research placement for one year. The placement involves working closely with research scientists on new and on-going oceanographic projects and there are opportunities to go to sea on a research cruise.

## How you learn

Teaching takes place through lectures, practicals, workshops, seminars, tutorials and computer based learning, with an emphasis on learning through doing. The award-winning £23 million Central Teaching Laboratories provides a state-of-the-art facility for undergraduate practical work.

Students value the learning opportunities provided by field classes, including the rapid feedback on performance. You will typically receive at least 15 hours of formal teaching each week, and participate in between 30 and 80 hours of residential field courses each year depending on the discipline.

A typical module might involve two or three one hour lectures each week, and often a three-hour laboratory or computer-based practical as well. Tutorials typically involve groups of four to seven students meeting with a member of staff at least every two weeks in Year One and Two. In Year Three, you will undertake an Honours project, which is a piece of independent research (field, laboratory or data analysis) on a topic of your choice, supervised by a member of staff. In Years Three and Four students meet with their project supervisor on a weekly or more frequent basis.

As students progress through their degree, they are increasingly challenged to engage with current debates, to think critically and to study independently.

## Which degree

**Ocean Sciences** is the study of how the ocean affects climate, the cycling of chemical elements and how life is sustained on our planet. Ocean Sciences involves the full range of scientific disciplines, and draws directly on subjects including Mathematics, Physics, Chemistry, Biology and Geography. We offer degree pathways in Physics, Chemistry and Oceanography and are the only UK university to offer programmes with the pure sciences; Mathematics and Physics. As well as offering three-year **BSc (Hons)** programmes, we also offer a four-year programme in **Ocean Sciences (MOSci)** designed to provide high-level skills and training to become a research scientist. Students on the three-year programme can transfer to the four-year programme provided they achieve the grades necessary, as determined by the University. All Ocean Sciences degree programmes involve fieldwork at sea and are offered in collaboration with the National Oceanography Centre, Liverpool, which has particular expertise in sea level and shelf sea science.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Ocean Sciences BSc (Hons) F700 3 years</b>	BBB ①	30	DDD in relevant diploma	243
<b>Ocean Science MOSci (Hons) F710 4 years</b>	AAB ②	35	Not accepted ③	243
<b>Geography and Oceanography BSc (Hons) FF78 3 years</b>	ABB ④	33	D*DD in relevant diploma	243
<b>Marine Biology with Oceanography BSc (Hons) C1F7 3 years</b>	ABB ④	33	D*DD in relevant diploma	244
<b>Mathematics with Ocean and Climate Sciences BSc (Hons) G1F7 3 years</b>	ABB ④	33	D*DD in relevant diploma	244
<b>Earth Sciences entry route leading to BSc (Hons) (4 year route including a Foundation Year at Carmel College) F608 4 (1+3) years</b>	⑤			244

All programmes require two science subjects at A level (Mathematics, Physics, Chemistry, Biology, Geology, Geography). **G1F7** requires Mathematics at A level. **C1F7** requires Biology at A level. **F700** has three pathways, Chemistry, Oceanography and Physics. Two sciences at A level are required for all pathways. A level Chemistry and Mathematics for Chemistry pathway, A level Physics and Mathematics for Physics pathway. Ocean Sciences accepts the Extended Project Qualification (EPQ) where students are taking this in addition to A levels. Applicants with an EPQ will be given a standard offer for the programme of their choice and an alternative offer which will be one grade lower plus an A grade in EPQ.

- ① BBC offer with an A in EPQ.
- ② ABB offer with an A in EPQ.
- ③ Applicants should apply for **F700**.
- ④ BBB offer with an A in EPQ.
- ⑤ Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.



## Ocean Sciences BSc (Hons)

UCAS code: F700

Programme length: 3 years

The ocean plays a central role in the Earth's climate system by regulating the transfer of heat and carbon over the globe. The effect of the ocean can only be fully understood by addressing the fundamental physical and chemical processes operating in our environment. This degree route offers three distinct pathways in oceanography, physics or chemistry, combined with an understanding of the ocean and climate system. Each pathway has its own mix of modules from the School of Environmental Sciences and School of Physical Sciences. Scientists from the National Oceanography Centre in Liverpool provide guest lectures and supervision of projects.

## Ocean Sciences MSci (Hons)

UCAS code: F710

Programme length: 4 years

Our planet's environment is profoundly affected by the presence of the ocean, storing and redistributing heat, and allowing life to emerge. While the importance of the ocean is widely recognised, there remain many fundamental questions. How will the ocean respond to changes in our climate? How will sea level rise globally and regionally? What is the impact of increases in temperature and carbon dioxide on the microbes living in the ocean?

This four-year master's programme will provide you with the high-level skills and knowledge required to work in a research environment and address the challenges in ocean science. There is a strong emphasis on numerical skills, hands-on laboratory and fieldwork at sea and independent study.

You will have the opportunity to work with scientists from the National Oceanography Centre (Liverpool), who are international leaders in sea level science and shelf sea physics.

## Geography and Oceanography BSc (Hons)

UCAS code: FF78

Programme length: 3 years

The way that the Earth behaves as a system results from interactions between the land, the oceans and the atmosphere. Complex issues such as climate change, sea level rise and environmental pollution can only be fully understood if all the different facets of the Earth's behaviour are considered. While the ocean sciences deal with present day and future climate change scenarios, the link to physical geography provides an understanding of changes in climate over the last several thousand years to provide context for recent climate change. This was the first UK university programme to combine land, ocean and climate studies in an integrated programme of study.



## Marine Biology with Oceanography BSc (Hons)

UCAS code: C1F7

Programme length: 3 years

Life first emerged in the ocean and has spread throughout this dynamic environment. The distribution, growth and success of marine organisms is affected by the interaction of biological, chemical and physical processes operating in the ocean. You will study the interaction between the biology of individuals, populations and communities, the composition and properties of seawater and the physical processes that transport seawater and its contents. Throughout the degree, there is a strong emphasis on marine sustainability and ecosystem management, marine biogeochemistry, the climate system and numerical skills. Training on our research vessel, in the field, and in the laboratory in Years One, Two and Three will provide you with practical experience of data collection and processing, analysis and interpretation, the essential skills required to be a successful marine scientist.

## Mathematics with Ocean and Climate Sciences BSc (Hons)

UCAS code: G1F7

Programme length: 3 years

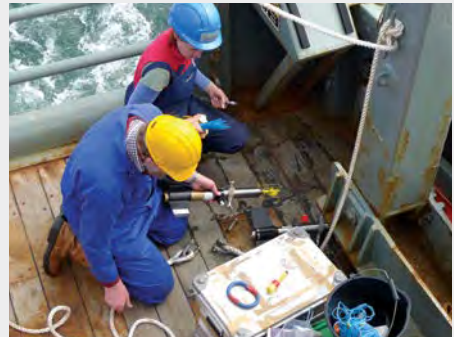
Predicting climate and climate change is a major challenge facing the scientific community. The oceans regulate the climate of the planet through storing and transporting heat as well as modifying properties of the overlying atmosphere. Complex issues such as climate change and sea level rise can only be understood if the role of the ocean and atmosphere is fully appreciated. This degree provides an understanding of how the ocean and atmosphere operate in the climate system, as well as offering a strong grounding in mathematics. It is offered in collaboration between the Department of Mathematics in the School of Physical Sciences and the internationally renowned National Oceanography Centre in Liverpool, providing excellent preparation for careers in computer modelling in oceanography, meteorology or environmental monitoring.

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

UCAS code: F608

Programme length: 4 (1+3) years

This programme provides a route into a number of BSc (Hons) degrees in Earth or Ocean Sciences; it is especially suitable for students without a strong background in science. You will follow a Foundation Year at Carmel College (St Helens, nine miles from the University of Liverpool), where the class sizes are small and the standards of academic achievement high.







# Philosophy

Part of the School of the Arts, the Department of Philosophy is an exciting place to work and study. Staff and students together create an environment where critical, independent thinking flourishes, in a city which has a long tradition of welcoming radical thinkers and philosophers. Our friendly, down-to-earth atmosphere makes the exchange of ideas enjoyable, as well as intellectually stimulating.

*Studying Philosophy at Liverpool is constantly interesting because of the range of modules we cover, if you find you've been working too much on one topic then you can switch to a completely different one to refresh. Whatever path I take in my career, this degree has given me a meditative approach, and I have learnt not to take anything at face value.*

**Andrew Davies**  
Philosophy BA (Hons)

## Good to know

### 86

Year One undergraduates in 2015

### 100%

of our students find their programme 'intellectually stimulating' (NSS 2015)

### 90%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/2014)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations

# Why choose Philosophy at Liverpool?

## Be challenged intellectually

You will be taught by internationally recognised philosophers with research expertise that spans most of philosophy's breadth and history. Our enthusiastic teaching reflects this research excellence, and is further demonstrated in our very high National Student Survey (NSS) scores. In all sessions, you will be encouraged to share your perspective with your fellow students and tutors.

## Develop the vital skills employers look for

Philosophy is all about being able to weigh up arguments, to communicate your own opinion persuasively, and to respond thoughtfully to objections. Employers value philosophy because any graduate-level job will require the employee to be able to sift through a large mass of information to find the relevant parts, weigh up the arguments for and against a particular view or course of action, and present advice in a clear and compelling manner. From Year Two, we offer students the chance to gain invaluable experience through our work experience and study abroad opportunities. Besides taking our dedicated work experience module, many of our students are involved in activities within the University or work locally with the support of our award-winning careers service.

## Experience the full breadth of our academics' expertise

Members of the Department are actively researching and publishing in a variety of fields with national and international reputations. This research activity underpins all our taught courses, and students benefit from the expertise and enthusiasm of staff for their subject. We are proud of the breadth of our research, which includes Ancient Philosophy, Environmental Philosophy, Metaphysics, Philosophy of Language, Philosophy of Mind, Philosophy of Religion, Ethics, Political Philosophy, Philosophy of Art, Philosophy of Literature, Indian Philosophy and Neo-Platonism.

## Be part of a city with a reputation for philosophical thought

Philosophy comes alive in Liverpool and we have a tradition of active engagement with the wider life of our city. You will be able to get involved in many activities. Philosophy in the City is one such project. Run in collaboration with organisations including Liverpool Biennial, this links the Department to communities, culture, and learning in the region [www.philosophyinthecity.info](http://www.philosophyinthecity.info)

## Study abroad

As part of your degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Philosophy students may currently apply to study at one of our many worldwide partners. For more information, see [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

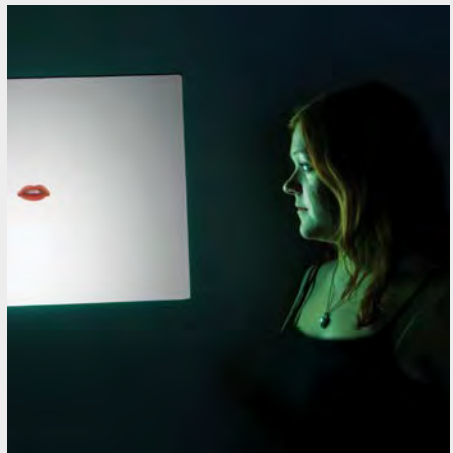
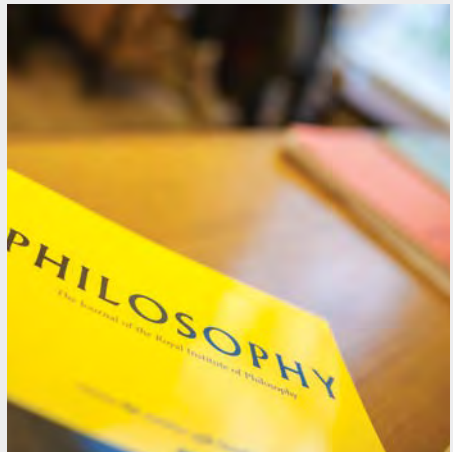
The Year in China is the University of Liverpool's exciting new flagship programme giving undergraduate students from a huge range of departments, including Philosophy, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Graduates in Philosophy obtain work in such fields as advertising, the arts, broadcasting, commerce, the Civil Service, computing, journalism, marketing, politics, law, management, and teaching. You have the opportunity during your degree for a placement with an appropriate partner where you can apply your academic learning to practical contexts and develop a range of skills attractive to future employers.

## How you learn

In studying philosophy you will learn how to defend your views with reasoned arguments, and to assess the arguments of others. Argumentative skills are learned through attending lectures and reading philosophical texts, developed by group seminar discussions, and formally assessed through essays and exams. You complete modules to the value of 120 credits per year, from a wide range of options available. Most modules employ a blend of lectures, seminars and online support materials. You will learn by reading and studying outside class time, by attending and participating in classes, by doing coursework and, for dissertations, via one-to-one meetings with a supervisor. There is also scope, both formally in the Placement Module and informally, for you to develop practical skills by volunteering. Philosophy employs a mixture of modes of assessment: exams and coursework in many different varieties – essays, oral presentations, dissertations, exercises, and supported independent work (eg in the Placement Module).



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Philosophy BA (Hons) V500</b> 3 years <span>100</span> <span>75</span> <span>50</span> <span>25</span>	ABB	33 <sup>①</sup>	Applications considered <sup>②</sup>	250
<b>Mathematics and Philosophy BA (Joint Hons) GV15</b> 3 years	ABB	33 <sup>③</sup>	Applications considered <sup>②</sup>	251

**GV15** requires A level Mathematics at grade A.

- ① With two subjects at Higher 6 and one at Higher 5.
- ② BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.
- ③ With two subjects at Higher 6 (including Mathematics) and one at Higher 5.

## Philosophy BA (Hons) 100 75 50 25

**UCAS code: V500**

**Programme length: 3 years**

God. Morality. Mind. Reality. Art. If you want to spend three years engaging with some of the biggest and hardest questions with which humanity has ever grappled then Philosophy BA (Hons) is the degree for you. The expert staff of the Department of Philosophy will help you develop your own answers to these great questions through a mixture of lectures on the answers given by great philosophers of the past and present, and seminars aimed at facilitating interaction between student and student, and student and teacher.

By the end of this programme, you will be able to understand complex and demanding texts, reason intelligently and imaginatively about ethical, metaphysical, and epistemological issues, and have a grasp of the advantages and problems of a wide range of metaphysical and ethical views.

## Philosophy Joint 50

Philosophy goes well with every subject, for the simple reason that philosophy touches every subject, inquiring into its nature, methods, and boundaries. Also, some aspects of philosophy – eg the theory of knowledge – are relevant to every subject. Philosophy presents a theoretical contrast to practical or vocational subjects, and gives you the opportunity to look deeper into the presuppositions of a theoretical subject.

## Philosophy Minor 25

You take two philosophy modules each year, one in each semester. In every year you may select the most appropriate modules from a wide choice, dealing with philosophical questions, such as the theory of knowledge or philosophy of mind, or discussing particular philosophers or philosophical movements, such as existentialism or Indian philosophy (Reading and Writing Philosophy and the dissertation module are not available).

Specialist routes:

- Ethics and Political Thought
- Logic and Metaphysics
- Metaphysics and Mind
- Arts and Aesthetics



## Mathematics and Philosophy BA (Joint Hons)

UCAS code: **GV15**

Programme length: 3 years

What are numbers? Do they exist? How can we know about them if they are not to be found in the familiar world of space and time that we inhabit? These are just some of the philosophical questions raised by the study of mathematics. The relationship runs the other way too: mathematics has helped formalise the study of logical argument that lies at the base of all good philosophy. So it is no surprise that some of the greatest philosophers (for example, Descartes, Leibniz, Frege and Russell) have been mathematicians too.



**100** **75** Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over  
**50** **25** 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.



For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

# Physics

We are one of the UK's leading centres for physics research, with a history of discovery that goes back over 130 years. We are internationally known for our work in particle physics, nuclear physics, condensed matter physics and accelerator physics and as a student, you will be immersed in our research environment from the start.

*You get to find out answers to how the world works that most people would probably never know. What's most surprised me about my programme is how wide-ranging it is, we've covered all sorts of areas of physics from relativity on the very large scale to quantum mechanics on the very small.*

**Amelia Ross**  
Physics BSc (Hons)

## Good to know

### 70

Year One undergraduates in 2015

### 90%

of our MPhys and 85% of our BSc students are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)



Offers study abroad opportunities



Offers a Year in China

**IOP**  
Institute of Physics



# Why choose Physics at Liverpool?

## Be part of a supportive community working together to do great science

Our open-door approach enables us to offer you a friendly and supportive learning environment.

## Create a degree to suit you

You can tailor your course to reflect your ambitions, with degree options ranging from Astrophysics to Nuclear Science, including four-year MPhys or three-year BScs. We realise that you may still be deciding which aspects of physics are of the most interest to you. Our programmes are designed to be flexible and allow the transfer of students up to the end of Year Two between any of the physics programmes.

## Prepare for your professional career

All of our BSc and MSc programmes are accredited by the Institute of Physics. A physics MSc degree from Liverpool satisfies the academic requirements for starting your registration as a Chartered Physicist. Both the Physics with Nuclear Technology and Physics with Radiation protection courses are designed to provide skill sets necessary for the growing industrial and environmental careers related to nuclear science.

## Be at the forefront of modern physics

Our internationally renowned academics carry out, and often lead, research on three continents using state of the art instruments developed and built in the Department. Working alongside them there are opportunities to carry out projects at the LHC at CERN and in many international and national research centres in the USA, Canada, Japan, Korea and many European countries.

## Learn in our award-winning facilities

Our facilities are second to none; in particular our £23 million state-of-the-art Central Teaching Laboratories have transformed the way in which Physical Sciences are taught at the University. We also offer spacious, well-equipped research laboratories, a new projects laboratory and a powerful supercomputer. In-house facilities include the Liverpool Semiconductor Detector centre, the Stephenson Institute for Renewable Energy, the Surface Science Research centre, nuclear instrumentation and magnetism laboratories and a supercomputer cluster.

## Study abroad

Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Select programmes can currently apply to one of our many worldwide partners in Canada, America, Hong Kong, Australia or New Zealand. You may be able to undertake a research project at a research facility in Vancouver, Grenoble, or at another international research laboratory. For more information visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Physics, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

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.

## How you learn

Lectures cover the overall framework and basic information on the various areas of Physics and related subjects. Tutorials and problem-solving workshops are another crucial element in the learning process. They help you to develop a working knowledge and understanding of Physics.

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.

Each year of study comprises 120 credits and normally 60 credits are taken in each semester. Assessment is mainly through a written examination at the end of the semester and partly through the satisfactory submission of solutions to question sheets during the programme. In the case of practical work, laboratory demonstrators continuously assess the work on the basis of entries in practical laboratory workbooks and reports on each assignment. Project work is assessed on the basis of the work completed, the written report and the oral presentation.

## Which degree

The overall programme structure is very flexible. At the end of Years One and Two, students will have a wide range of options and considerable flexibility to transfer between programmes.

You can pursue Physics to the highest level or you can specialise in one of the many fields of science based on Physics. The three-year **BSc (Hons)** programmes provide an excellent foundation in Physics. The four-year **MPhys** programmes go into greater breadth and depth and are designed for students aiming for a professional career in Physics. In the first two years students take Maths modules which provide the support to bring all students up to the required level. Graduates are eligible to join our professional body, the Institute of Physics, and they are well on the way to Chartered Physicist status.



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Physics BSc (Hons) F300 3 years</b>	ABB	33	D*DD in relevant diploma	257
<b>Physics MPhys F303 4 years</b>	AAB	35	D*DD in relevant diploma	257
<b>Physics with Astronomy BSc (Hons) F3F5 3 years</b>	ABB	33	D*DD in relevant diploma	257
<b>Astrophysics MPhys F521 4 years</b>	AAB	35	D*DD in relevant diploma	257
<b>Physics with Medical Applications BSc (Hons) F350 3 years</b>	ABB	33	D*DD in relevant diploma	258
<b>Physics with Nuclear Science BSc (Hons) F390 3 years</b>	ABB	33	D*DD in relevant diploma	258
<b>Physics with Radiation Protection BSc (Hons) F351 3 years</b>	ABB	33	D*DD in relevant diploma	258
<b>Physics for New Technology BSc (Hons) F352 3 years</b>	ABB	33	D*DD in relevant diploma	258
<b>Physical Sciences entry route leading to BSc (Hons) (4 year route including a Foundation Year at Carmel College) F308 4 (1+3) years</b>	①			258
<i>Degrees offered with other departments</i>				
<b>Physics and Mathematics BSc (Joint Hons) FG31 3 years</b>	See Mathematical Sciences			204
<b>Mathematical Physics MMath FGH1 4 years</b>	See Mathematical Sciences			204
<b>Theoretical Physics MPhys F344 4 years</b>	See Mathematical Sciences			204
<b>Geophysics (Physics) BSc (Hons) F656 3 years</b>	See Earth Sciences			109
<b>Geology and Geophysics MESci (Hons) F641 4 years</b>	See Earth Sciences			107
<b>Geophysics (Geology) BSc (Hons) F640 3 years</b>	See Earth Sciences			108
<b>Geophysics (North America) MESci (Hons) F660 4 years</b>	See Earth Sciences			109
<b>Ocean Sciences (Physics pathway) BSc (Hons) F700 3 years</b>	See Ocean Sciences			243
<b>Ocean Sciences (Physics pathway) MOSci (Hons) F710 4 years</b>	See Ocean Sciences			243

All programmes (except **F308**) require Physics and Mathematics at A level or equivalent. All Physics students will have the option to apply to transfer to an MPhys Physics with Education (with recommendation for QTS) degree during Year Two.

① Foundation programmes have flexible entry requirements. Contact E: [degree@carmel.ac.uk](mailto:degree@carmel.ac.uk) for details.

**Physics BSc (Hons)****UCAS code: F300**

Programme length: 3 years

Physics is the most fundamental of the sciences. New concepts, such as Quantum Mechanics and Relativity, are introduced at degree level in order to understand nature at the deepest level.

These theories have profound philosophical implications because they challenge our view of the everyday world. At the same time they have a huge impact on society since they underpin the technological revolution. While studying one of the most intellectually satisfying disciplines, you will acquire transferable skills including numeracy, problem solving, an ability to reason clearly and communicate well.

Physics degrees are highly prized in the flexible labour market of today and our graduates have excellent career opportunities in academic research, industrial research and development, teaching, computing, business and finance.

**Physics MPhys****UCAS code: F303**

Programme length: 4 years

This programme is intended for those considering a career as a professional physicist in fundamental research or industrial research and development. It covers a wider range of topics than the Physics BSc and provides more research experience. The Department has an excellent track record of securing PhD studentships and, as a consequence, our graduates have an unusually good opportunity to study higher degrees spanning the whole of Physics.

**Physics with Astronomy BSc (Hons)****UCAS code: F3F5**

Programme length: 3 years

A degree in Physics with Astronomy gives students a wide appreciation of the varied astronomical phenomena in the physical Universe. From the formation, evolution and deaths of stars – involving planetary systems, nucleosynthesis and supernovae – through structure of galaxies to the evolution of the Universe itself, the degree structure introduces the Physics involved in the cosmos. At the end of the second year the week-long field trip to the Teide Observatory in Tenerife introduces students to professional observatories. Offered in conjunction with the Astrophysics Research Institute at Liverpool John Moores University, the three-year Physics and Astronomy degree will equip students with skills relevant for jobs in a wide range of careers, from education, finance and the city to industry.

**Astrophysics MPhys****UCAS code: F521**

Programme length: 4 years

An Astrophysics degree has the unique potential to provide students with an understanding of the most up-to-date discoveries in the Universe. During the programme, students will be introduced to all aspects of Physics and Astronomy from Quantum Mechanics to Cosmology. In the second year, there is a week-long field trip to the Teide Observatory in Tenerife, where students make astronomical measurements at a professional observatory. Offered in conjunction with the Astrophysics Research Institute at Liverpool John Moores University, the four-year Astrophysics degree will equip students with skills relevant for further study of the universe at postgraduate research level as well as for jobs in a wide range of careers.



## Physics with Medical Applications BSc (Hons)

UCAS code: F350

Programme length: 3 years

---

Physics research is helping us to live longer, healthier lives. It is helping us to develop new cures for disease and new ways to quickly diagnose health problems. For example, particle beams and detectors used in Physics research have led to the development of new proton and neutron cancer therapies. Combining the study of Physics and selected topics in medical applications, this programme provides skills such as numeracy, problem solving, reasoning and communication that are attractive to the general employer, and it is an excellent preparation for a career in Medical Physics.

## Physics with Nuclear Science BSc (Hons)

UCAS code: F390

Programme length: 3 years

---

This programme offers the study of Physics and selected topics in Nuclear Science and provides an excellent preparation for a career in the Nuclear Related Industries. There are links with many parts of the nuclear industry including those involved with decommissioning and homeland security. Staff from these institutions will be involved in the project work. The programme comprises modules in common with the Physics programme (including Mathematics support).

## Physics with Radiation Protection BSc (Hons)

UCAS code: F351

Programme length: 3 years

---

This programme offers the study of Physics and selected topics in Radiation Protection. The programme provides an excellent preparation for a career in the industries requiring Radiation Protection Professionals. There are links with many parts of the nuclear industry including those involved with decommissioning and homeland security, plus the health service, government bodies, and emergency services.

Staff from these institutions will be involved in the project work. The programme comprises modules in common with the Physics (F300) programme (including Mathematics support).

## Physics for New Technology BSc (Hons)

UCAS code: F352

Programme length: 3 years

---

This degree offers a programme in Physics with particular emphasis in Year Three on applied topics. The area of Engineering provides a module in the Management of Research and Development. This covers managing the process of technological innovation, new product innovation and managing the translation of innovation into manufacture. There are also extensive opportunities to work on projects of direct relevance to industry. The programme is intended for students who are less interested in the mathematical aspects of Physics.

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

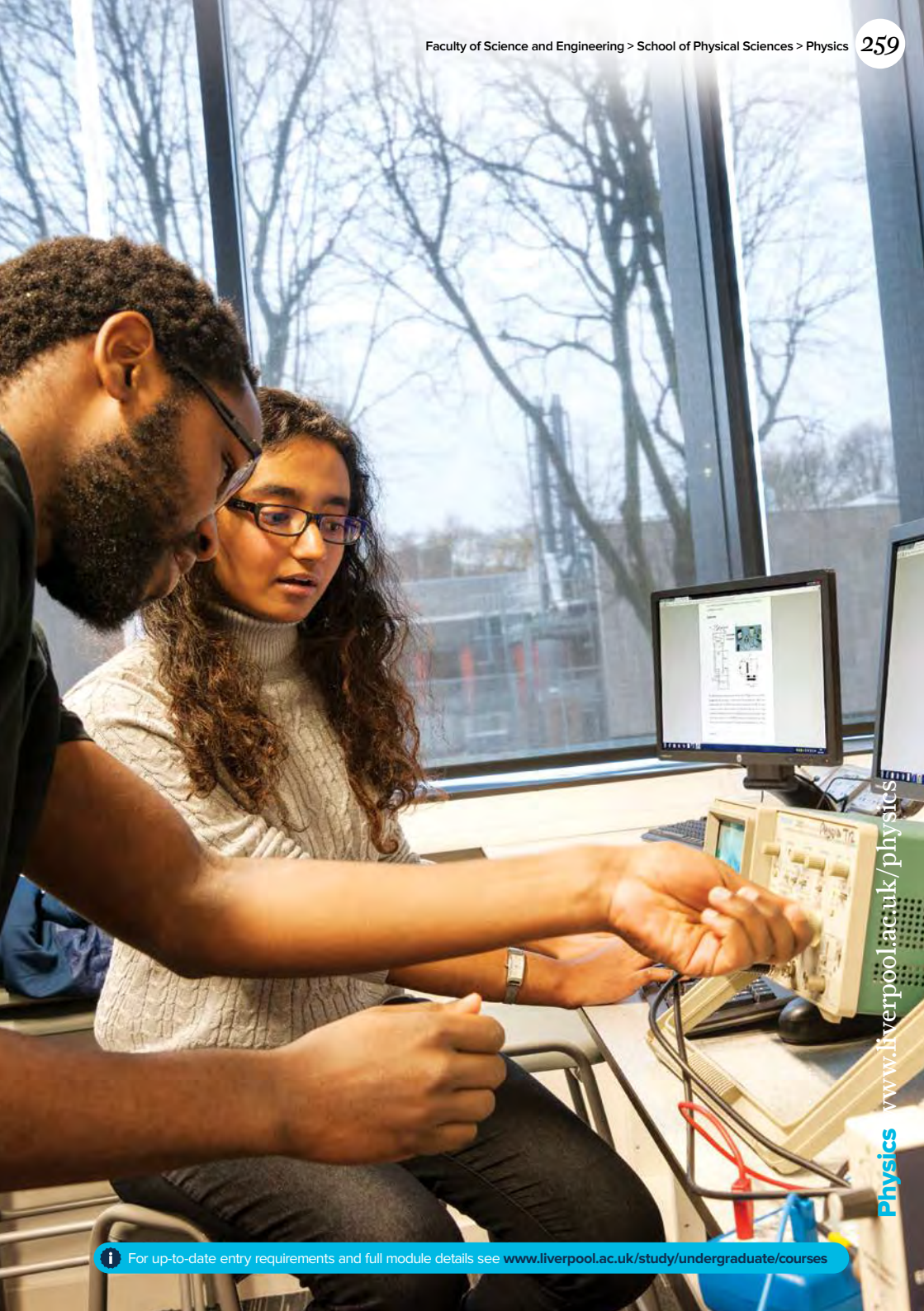
UCAS code: F308

Programme length: 4 (1+3) years

---

This programme offers a four-year route to the BSc (Hons) degree programmes offered by the Department of Physics. You follow the Foundation Year at Carmel College, St Helens, about nine miles away from the main University campus. It offers small class sizes and high academic standards. You then opt to follow any of the Physics programmes.





# Planning

Liverpool was the world's first Planning School and remains one of the most innovative and forward-looking. Reconciling growing pressures for development with the need to protect the environment and to achieve greater social equity are among the immense challenges faced by urban and environmental planners – yet there continues to be a shortage of people with appropriate qualifications to meet them. Studying Planning at Liverpool will enable you to be part of the solution to meet these challenges head-on.

*From a planning perspective, it is great to study this programme in Liverpool as the city is constantly changing and various regeneration schemes provide the perfect backdrop to my studies. The best part is how the programme has been structured to cater for those entering the planning sector through its practical approach, on projects such as creating our own fictional neighbourhood plans, which are akin to the nature of the work that we will do in jobs within the planning sector. This along with the Royal Town Planning Institute accreditation will provide me with the necessary skills I need for my future career.*

**Akwesi Osei**  
Town and Regional Planning MPlan

## Good to know

### 23

Year One undergraduates in 2015

### 93-100%

overall satisfaction rates on our programmes (NSS 2015)

### 90%

are employed or in further study within six months of graduating (Unistats)



Offers study abroad opportunities



Offers a Year in China



**iema**  
Institute of Environmental Management & Assessments



# Why choose Planning at Liverpool?

## Set the foundations for your career in our world-leading Planning School

Studying Planning will help you to look and think about the world differently. It offers a unique insight into how our towns, cities and rural areas develop, and how you can support these changes.

As the world's first Planning School, founded in 1909, we are internationally recognised as a global centre of excellence and innovation in planning education. We are leading the development of marine planning, big data science and geocomputation, and environmental assessment. We also edit two respected peer reviewed journals (Town Planning Review and the Journal of Environmental Assessment Policy and Management). All this means you can be confident that your learning is at the forefront of the discipline.

## Take inspiration from planning in practice in our dynamic city location

Liverpool City Region offers unrivalled opportunities to witness the application of cutting-edge practices in tackling the challenges of urban regeneration and environmental management. Developments like Liverpool Waters, the regeneration of Anfield and the proposals for the Atlantic Gateway make Liverpool an ideal place to study the impacts of planning on a city. A number of Liverpool Planning academics are working closely with Local Planning Authorities, Local Enterprise Partnerships and developers to shape these investment programmes. We also have a long history of campaigning to improve the environment of the region through the Merseyside Civic Society, and for overseeing the award-winning Mersey Basin Campaign.

## Broaden your understanding through our interdisciplinary links

All our programmes are interdisciplinary and draw upon strong teaching and research links with Geography, Sociology and Environmental Science in the University. We also work closely with the University's leading Heseltine and Risk Research Institutes. These links will help you to see Planning in context.

## Explore planning practice around the world and in the UK

At Liverpool you'll benefit from an internationally focused curriculum that brings together theory and practice from around the world, including Europe, North America, India and China. You will meet practitioners and undertake place-based projects in each year of study, many of which are client-led and are used to inform future development within the region. Fieldtrips are also an integral part of each year of study so you can gain first-hand experience of planning issues and policies in the UK and internationally.

## Take advantage of our excellent employer links

Our MPlan programme is professionally accredited by the Royal Town Planning Institute (RTPI) and our BA Environment and Planning programme is accredited by the Institute of Environmental Management & Assessment (IEMA). We also have strong links with the Town and Country Planning Association (TCPA) and have close working relationships with planning consultancies, local authorities and a wide range of other organisations throughout the North West, nationally and internationally. These links ensure that we are tailoring our programmes to the needs of the profession, but also enable our students to build relationships that will be extremely valuable in their future careers.



## Be at the forefront of the discipline through research-led teaching

Our programmes benefit from the expertise of our staff, who are leading global discussions in spatial planning, planning economics, marine planning, environmental assessment and green infrastructure. This means you will benefit an excellent first-hand understanding of the changes to planning practice and theory.

## Study abroad

As part of your Planning degree programme you may have the opportunity to study abroad at the University of Illinois at Urbana-Champaign, USA, and with the University of Waterloo, Canada. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. For more information visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Planning, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Our programmes are broadly based, with a strong vocational focus with graduates entering a wide range of planning related careers in the public, private and voluntary sectors.

Our graduates are working in the UK and across the world in what is becoming an increasingly globally orientated profession. Many have senior positions in private practice, central and local government, and academic institutions. 11 former Presidents of the Royal Town Planning Institute (RTPI) are graduates of the Department.

Our RTPI and IEMA accredited programmes ensure that you are fully qualified to enter this dynamic profession on graduation.

## How you learn

With a diverse range of programmes, international connections and career options, you will explore the varied aspects of town, country, regional and environmental planning. Students acquire a broad overview of the ways in which cities have evolved and are being reshaped to meet the challenges of the 21st century and have the opportunity to develop knowledge in the effects of planning activity on the environment and planning's role in urban regeneration.

You will gain experience of project based problem-solving ('learning by doing') with internal and external bodies, and gain first-hand experience of working with cutting edge mapping and evaluation technology through geocomputation and lab work.

## Which degree

We offer three planning degree programmes and a combined Geography and Planning programme. Year One is common across all three planning programmes, with the specialism being introduced in Year Two whilst the Geography and Planning programme is split 50:50 throughout all three years. During Years One and Two students can transfer between the programmes as they become more aware of their own interests and career objectives, and students on all of our BA programmes have the opportunity to transfer onto the four-year RTPI accredited MPlan in Town and Regional Planning.

Our three-year **BA (Hons)** programmes in **Environment and Planning** and **Urban Regeneration and Planning** are designed for those who wish to pursue a broad planning degree with an environmental or urban theme. Our **Geography and Planning** programme blends the problem-solving nature of Planning with an understanding of geographical concepts and processes.

The four-year **Town and Regional Planning (MPlan)** programme provides students with an in-depth understanding of the practice of Planning and its context, and enables students to fast track into the Planning profession. From Year Three students have the opportunity to specialise in either Spatial Planning and Environmental Change or Transforming Cities and Regions.

# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Environment and Planning BA (Hons) K4L7 3 years</b>	BBB ①	31	DDD in relevant diploma	265
<b>Town and Regional Planning MPlan K400 4 years</b>	ABB ②	33	D*DD in relevant diploma	265
<b>Urban Regeneration and Planning BA (Hons) K430 3 years</b>	BBB ①	31	DDD in relevant diploma	265
<b>Geography and Planning BA (Hons) L7K4 3 years</b>	ABB ②	33	D*DD in relevant diploma	265
<i>Degrees offered with other departments</i>				
<b>Environmental Science BSc (Hons) F750 3 years</b>	See Environmental Science			144

Planning accepts the Extended Project Qualification (EPQ) where students are taking this in addition to A levels. Applicants with an EPQ will be given a standard offer for the programme of their choice and an alternative offer which will be one grade lower plus an A grade in EPQ. Applicants who have been out of full-time education for some time or who are offering alternative qualifications will be considered on a case by case basis.

- ① BBC offer with an A in EPQ.
- ② BBB offer with an A in EPQ.



## Environment and Planning BA (Hons)

UCAS code: K4L7

Programme length: 3 years

This degree gives students a full understanding of the main environmental challenges of the 21st century and provides our students with the skills base to help address them. Students gain a rounded understanding of the factors and forces that are shaping the environment and the role that planning can play in reconciling conflicting interests. Attention is focused on approaches to the protection and enhancement of the natural and built environments in a rapidly changing world. An interdisciplinary approach to study provides learning opportunities that draw upon the expertise of academics in Planning as well as academics in Geography, Sociology and Architecture. This programme provides accreditation from the Institute of Environmental Management and Assessment (IEMA).

## Town and Regional Planning MPlan

UCAS code: K400

Programme length: 4 years

The Town and Regional Planning programme is designed for those who wish to pursue a professional career in urban, regional and environmental planning in the UK or abroad. The programme enables students to complete a Royal Town Planning Institute (RTPI) recognised qualification in four years and to meet the RTPI's spatial and specialist planning requirements. In addition to the studies undertaken in common with those pursuing the Environment and Planning, Urban Regeneration and Planning and/or Geography and Planning BA (Hons) programmes, MPlan students further develop their knowledge and skills in contemporary professional practice and undertake an overseas field study.

## Urban Regeneration and Planning BA (Hons)

UCAS code: K430

Programme length: 3 years

Students gain a rounded understanding of the factors and forces that are shaping urban areas and the role that planning can play in reconciling conflicting interests. Attention is focused on approaches adapted to the regeneration of urban areas. An interdisciplinary approach to study provides learning opportunities that draw upon the expertise of academics in Planning as well as academics in Geography, Sociology and Architecture.

## Geography and Planning BA (Hons)

UCAS code: L7K4

Programme length: 3 years

Students gain an in-depth understanding of the practical and theoretical aspects of Geography and Planning. Consideration is given to the ways that rural and urban areas reconcile conflicting interests and adapt to economic, social and environmental change. An interdisciplinary approach to study provides learning opportunities that draw upon the expertise of academics in both Planning and Geography as well as Sociology and Architecture.



# Politics

Politics affects all our lives and its relevance to the real world allows you to explore careers in any number of directions. Choose to study Politics at Liverpool and you'll benefit from national and internationally focused research-led teaching in a close-knit environment. Here, we encourage you to shape your own degree to suit your interests. You will have access to our extensive networks to enhance your employability through exciting placements and study abroad opportunities.

*As I wanted to study a Joint Honours degree, Liverpool really appealed to me as the Honours Select scheme was the most flexible and attractive out of all the universities that I looked at. I like how varied the modules are. Although you are very much thought of as an independent learner, the staff here really want you to get the best out of your degree and are always there to help when you need it.*

**Leah Heath**  
Politics and English BA (Hons)

## Good to know

### 104

Year One undergraduates in 2015

### 91%

of our students say staff are good at explaining things (NSS 2015)



Offers study abroad opportunities



Offers a Year in China

100 75 50 25

Offers Honours Select combinations



# Why choose Politics at Liverpool?

## Build your degree to reflect your interests

At Liverpool you'll get genuine diversity in the range of modules we offer with themes focused at national and international levels. Our programmes provide you with a solid foundation of political studies in the first year and we'll then encourage and guide you to choose modules to develop your own specialist interests.

## Strengthen your employability skills for a wide-range of careers

We realise that you may not have decided what career to pursue, or you may change your mind. We have developed our programmes with a wide range of employers and industries in mind and the extensive critical, communication and research skills you will gain while studying Politics at Liverpool mean that our recent graduates have found success in diverse areas such as broadcasting, journalism, the civil service, government, marketing, public relations and academia.

## Learn from research-active staff

The study of Politics focuses on power, citizenship, authority, conflict and cooperation in the world around us and here you'll explore theory and develop an understanding of current and future developments. Study at Liverpool and immerse yourself in an environment where all your lecturers are actively researching and publishing in their specialist fields, with national and international reach.

## Take placements to enhance your experience

We will support you to apply for placements to complement your studies and prepare you for the workplace. At Liverpool we offer a range of placements including international exchange programmes at one of our partner universities and a really exciting opportunity to secure a placement with an MP at Westminster. You will also benefit from our 'Europe and the World Centre' – a recognised European 'Centre of Excellence' which specialises in relations between Europe and the rest of the world.

## Study abroad

As part of your Politics degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Politics students can currently apply to study at universities in the USA, Canada, Australia, New Zealand and many others. For more information, see [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Politics, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.



## Your future

Our graduates enjoy successful careers in a range of professions, including broadcasting, marketing and public relations, teaching in universities, colleges and schools, management, government (local, national and European), journalism and the civil service.

Former graduates include a member of parliament, an assistant chief constable, the secretary of the UK National Trust, a barrister, a partner in a New York-based advertising company, a Westminster-based political consultant, a features writer for *The Independent* and the news editor of a music weekly. They also include a human resources manager for Dell and a representative on the British Council's mission abroad.

## How you learn

All students are taught study skills, including essay writing and information literacy, as part of their first year programme.

## Honours Select

Politics combines very well with many other subjects: History, European languages, Law, Philosophy and Communication and Media, to name just a few subjects.











*Life at the University of Liverpool was a great stepping stone between school life and adulthood in the 'real working world'. There is a great vibe about the whole University: in the halls of residence in first year, in the Politics Department and, of course, the 'buzziness' of the city itself. I would highly recommend the University to prospective students.*

**Bryony** studied a BA in History and Politics and went on to be appointed as Constituency Secretary to David Cameron in his House of Commons Constituency Office



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Politics BA (Hons) L210</b> 3 years    	ABB	33	Applications considered <sup>①</sup>	270
<b>International Politics and Policy BA (Hons) L240</b> 3 years    	ABB	33	Applications considered <sup>①</sup>	271
<b>Politics and International Business BA (Joint Hons) LN21</b> 3 years	ABB	33	Applications considered <sup>①</sup>	271

<sup>①</sup> BTEC applications are encouraged. We evaluate each BTEC application on its merits and may make offers at DDM, with 100 out of 180 credits at Distinction.

## Politics BA (Hons)

**UCAS code: L210**

**Programme length: 3 years**

This flexible and broad programme explores the different approaches in political science in a range of national and international settings. You will explore political ideas, systems and processes and you will learn how to collect data, develop knowledge and construct arguments. There is an emphasis on developing your communication skills. You will be introduced to the building blocks of political studies, and no prior specialist knowledge is required.

Based on academic performance, third year students studying Politics at Single Honours or as a Major may apply to take part in the Parliamentary Placement Scheme.

The placement will be fully assessed through a combination of a reflective diary and a long essay, and will develop key skills and subject knowledge and increase employability. Further details of the Parliamentary Placement Scheme are available at [www.liverpool.ac.uk/politics](http://www.liverpool.ac.uk/politics)

## Politics Joint

Students doing the 50% programme are ideally positioned to connect with a wide range of other disciplines that usefully complement the study of Politics, including History, Business, Languages, Law, Communication Studies, Philosophy, Criminology and Sociology. You will explore political ideas, systems and processes and you will learn how to collect data, develop knowledge and construct arguments. There is an emphasis on developing your communication skills. You will be introduced to the building blocks of political studies – no prior specialist knowledge is required – and you will explore different approaches across a range of national and international settings.

## Politics Minor

Studying Politics allows the exploration of different approaches in political science, in a range of national and international settings. Students taking the Minor programme are adding a strong social science dimension to their degree, and will find that this is complementary to work across the full range of Humanities and Social Sciences disciplines. You will explore political ideas, systems and processes, learn how to collect data, develop knowledge, construct arguments and enhance your communication skills. No prior specialist knowledge of Politics is required.

## International Politics and Policy BA (Hons) <sup>100 75</sup>

**UCAS code: L240**

**Programme length: 3 years**

Studying International Politics brings a focus on power, authority, citizenship, conflict and cooperation in the world around us.

Current international trends are interpreted in historical perspective yet with a view to future directions and likely developments. Politics affects all our lives and with a deeper understanding you can join in conversations that address key issues.

## International Politics and Policy Joint <sup>50</sup>

Students doing the 50% programme are ideally positioned to connect with a wide range of other disciplines, including History, Business, Languages, Law, Communication Studies, Philosophy, Criminology and Sociology. You will explore international political ideas, systems and processes and you will learn how to collect data, develop knowledge and construct arguments.

This knowledge and skill-set will maximise your opportunities for an international career.

## International Politics and Policy Minor <sup>25</sup>

Students on the Minor programme will be able to give a strong international dimension to their Major studies in any of the available Humanities and Social Sciences subjects.

## Politics and International Business BA (Joint Hons)

**UCAS code: LN21**

**Programme length: 3 years**

This programme takes advantage of the combined expertise of staff in Politics and in the University of Liverpool Management School. The links between Politics and International Business will be investigated. You will be given a broad introduction to the key theoretical and analytical approaches to understanding the relationship between Politics and International Business, and will apply these approaches to everyday settings. Themes such as globalisation, internationalisation and aspects of economic governance will be explored. The international emphasis of this programme is unique and distinct from the alternative combination of 'Politics and Business', which can of course be chosen through Honours Select.



<sup>100 75</sup> Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over <sup>50 25</sup> 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.



For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

# Psychology

Psychology at Liverpool offers you professionally accredited, flexible, research-driven programmes of study. Our extensive academic and industry networks mean you can experience the practical application of psychology through work placement, and hear first-hand the latest leading research breaking new ground in the discipline.

*I have been surprised at the large network the University has, allowing students to meet people who may be able to aid their careers in the future and I have gained lots of relevant experience through University-run schemes allowing students to help conduct their own research. Studying here has helped me determine which aspects of psychology I am more passionate about and I am planning to complete a master's degree here at the University of Liverpool.*

**Treena Bhakta**  
Psychology BSc (Hons)

## Good to know

### 450

Year One undergraduates in 2015

### 87.9%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)

### FIVE

We received five commendations for high quality teaching following our BPS accreditation visit (2013)



Offers study abroad opportunities



Offers a Year in China



# Why choose Psychology at Liverpool?

## Enjoy a flexible future

On graduation, 88% of our students go straight into work or further study and our British Psychology Society (BPS) accreditation satisfies the requirements for either. Successful graduates may be offered a postgraduate place here at Liverpool enabling you to continue to build your career specialism.

## Prepare for your professional career

You, and your future employers, can be reassured by the fact your programme is accredited by the BPS. You've covered the BPS criteria by the end of the second year, offering you the flexibility to really focus on your key areas of interest in Year Three.

## Explore your career options with potential future employers

Your programme is informed by an extensive network of professional contacts and potential employers, helping ensure it prepares you for the workplace. Placement opportunities and guest lecturers also help you clarify your future career direction.

## Learn from active research leaders

You'll be studying in a department which is home to some of the world's leading academic experts, research centres and laboratories, providing opportunity for learning about, and participation and collaboration in ground-breaking research. Our Year Two Research Internship Scheme offers you the opportunity to work alongside researchers to support study design, data collection and analysis, and preparation of manuscripts.

## Your future

A degree from Psychology is valuable in many sectors such as public relations, personnel, advertising, marketing, retail, teaching, social work, finance, politics and sports. Importantly, our degrees are accredited by the British Psychological Society as conferring eligibility for Graduate Basis for Chartered Membership, providing a minimum standard of qualification of Second Class (Honours) is achieved. A Psychology degree from the University of Liverpool can therefore be the necessary steppingstone towards becoming a professional or chartered psychologist working as a counsellor or as a clinical, occupational or educational psychologist, and large numbers of our graduates have used it as the foundation for further postgraduate research and practice.

Around 60% of our graduates are involved in health related, social, public service, commercial, retail or financial employment within six months following graduation. About 25% of our graduates go on to postgraduate study and training – many within other leading research institutes as well here at Liverpool.

## How you learn

Our undergraduate programme is taught using a balanced mix of lectures, seminars and tutorials and practical laboratory sessions. Students are encouraged to work in small groups from the beginning of the programme and some of the practical work in Year Two is done as teamwork. The Year Three research project is done either individually or in groups of three at the most.

The modules in each year must be passed in order to progress to the next year of study. The final degree classification is calculated from grades obtained in Years Two and Three. The weighting between second and third years is 30/70%. Assessed work, including essays, case studies, oral presentations, group work, and experimental reports, together with examination results contribute to the final degree classification.

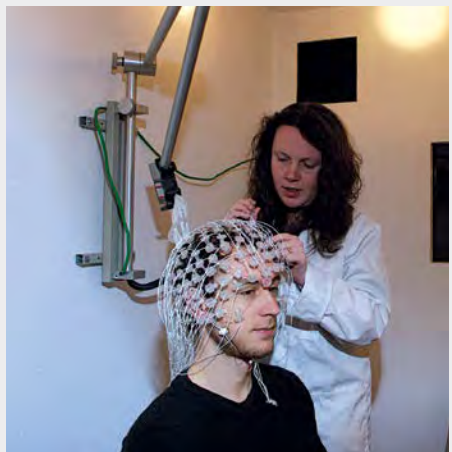
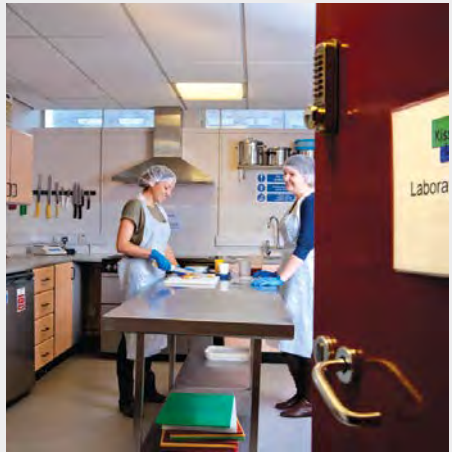
### Study abroad

As part of your Psychology degree programme you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Psychology students can currently apply to study abroad at the University of Padova, Italy as well as a number of worldwide partners. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

### Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Psychology, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

*“Psychology opens the door to many careers in an increasing number of areas.”* (The Times)



# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Psychology BSc (Hons) C800 3 years</b>	ABB	33	DDD <sup>①</sup>	276
<b>Psychology BSc (Hons) (2+2 programme with Foundation element) C801 4 years</b>	②			276
<b>Psychology MPsychSci (Hons) C804 4 years</b>	AAA	36	D*D*D	277

① DDD with 120 out of 180 credits at Distinction.

② This programme is aimed at non-traditional students who are able to demonstrate literacy and numeracy skills and demonstrate the motivation and commitment needed to complete a four-year programme in Psychology. Details available from Wirral Metropolitan College at T: +44 (0)151 551 7777 or E: [wmc.enquires@wmc.ac.uk](mailto:wmc.enquires@wmc.ac.uk)

## Psychology BSc (Hons)

UCAS code: C800

Programme length: 3 years

Our programme draws on our research excellence and our focus on transferable skills means a Psychology degree from Liverpool will be suitable for a wide range of career choices. The degree is accredited by the British Psychological Society and provides Graduate Basis for Chartered Membership, making it an excellent platform for postgraduate study. The curriculum allows you to follow 'pathways' of module choice, enabling you to develop specialist knowledge in a range of subject areas (eg Clinical, Forensic, etc). Entry to the undergraduate degree programme is available to applicants with a wide array of qualifications and backgrounds. Outstanding applicants may be offered conditional places on linked postgraduate courses provided by the University of Liverpool allowing our graduates to further enhance their career prospects.

## Psychology BSc (Hons) (2+2 programme with Foundation element)

UCAS code: C801

Programme length: 4 years

If you are interested in studying for a Psychology degree, but feel that you have a non-standard academic background, this is a programme that has been designed for you. It is intended for students from a variety of vocational, academic and non-academic backgrounds who may typically have had a break in their education.

**C801** is run in collaboration with Wirral Metropolitan College and those on the programme benefit from facilities at both locations. Successful completion of the first two years (Year Zero and Year One) allows transfer to the second year of **C800**. Class sizes at Wirral are limited to enhance learning and group support.



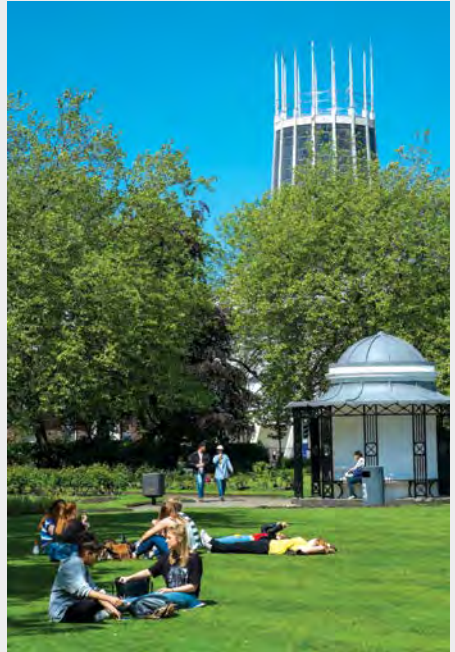
## Psychology MPsycholSci (Hons)

UCAS code: C804

Programme length: 4 years

.....

This programme aims to give you advanced knowledge of the theoretical and research aspects of clinical and health psychology. Successful completion of the MPsycholSci will equip you for professional postgraduate studies in clinical and health psychology and for research careers in clinical and health psychology. The programme draws on the research excellence of our School and our focus upon transferable skills means a Psychology degree from Liverpool will be suitable for a wide range of career choices. The degree is accredited by the British Psychological Society and provides Graduate Basis for Chartered Membership.



# Sociology, Social Policy and Criminology

As one of the first social science institutes in the UK and with a status as a Centre of Excellence for sociological and criminological thinking, studying Sociology, Social Policy and Criminology at Liverpool means being taught by recognised national and international experts in their field. Our degrees are intellectually challenging and engage and draw upon the most controversial and talked about issues of our times.

*At Liverpool we are taught by up-to-date, current researchers in the field of sociology and criminology. Although they are experts in their fields, all the tutors are friendly and approachable which is important for guiding you through the programme. My university experience has been worthwhile as we deal with current issues in the field making it both relatable and very interesting.*

**Danielle Skidmore**  
Sociology and Criminology BA (Hons)

## Good to know

### 175

Year One undergraduates in 2015

### 90%

are employed or in further study within six months of graduating (Destination of Leavers from Higher Education 2013/14)

### 90%

of our students feel staff here made the subject interesting (NSS 2015)



Offers study abroad opportunities



Offers a Year in China



Offers Honours Select combinations



# Why choose Sociology, Social Policy and Criminology at Liverpool?

## Develop your expertise

We'll guide you in developing your own expertise in particular areas. During your second and third year we'll help you to choose modules to build your degree around the topics that interest and concern you the most. You may choose to keep your options open and take a variety of modules or you could, for instance, choose to focus particularly upon policing, urban regeneration, gender equality, or the role of corporations in democracies. This opportunity to specialise in certain areas will enable you to gain deeper capabilities and skills in particular areas of social science and prepare you for your professional career.

## Prepare for your future career

To complement your academic studies our 'work and learn' programmes offer you the opportunity to gain 'hands-on' experience in a relevant social field including youth care and custody, community health, and asylum. This experience will not only develop your understanding of how social science is relevant to the process of work and real world issues but it will help you gain key employability skills to help you prepare for life after graduation. You'll learn how to think independently, how to collect and analyse data, how to present and communicate information and advanced IT skills – all skills we know are highly valued by potential employers. You'll also be encouraged to attend our regular Employability Workshops, to meet and network with employers and former students to discover and research possible careers. There is nobody better to ask about the reality of different jobs than the people performing them on a daily basis. It is also reassuring that our past students have been consistently successful in securing rewarding careers in a variety of settings, often in national and local government and, increasingly, in private and voluntary sector employment.

## Learn in a friendly and supportive environment

From your first day with us you'll be assigned an academic adviser who will guide and support you throughout your studies. They are available to offer guidance and advice about your studies, your career plans or personal difficulties on a one-to-one basis whenever you need it.

## Inspiring the next generation of original social thinkers

As one of the first social science institutes in the UK, for over a century we have been actively shaping society and inspiring the next generation of original social thinkers. Throughout our history we have influenced society with novel research insights in fields such as crime, health, welfare, housing, inequality and the operation of political power – at local, national and global levels.

As a centre of excellence for sociological and criminological thinking we continue this proud tradition by ensuring that our programmes are relevant to a changing world and match the knowledge and skills required for the increasingly competitive job market.

## Study abroad

As part of your degree at Liverpool you may have the opportunity to study abroad. Studying abroad has huge personal and academic benefits, as well as giving you a head start in the graduate job market. Sociology, Social Policy and Criminology students can currently apply to study abroad with a number of our worldwide partners. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Sociology, Social, Policy and Criminology, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.

## Your future

Our graduates have gone onto successful careers in the public and private sectors; social welfare and criminal justice agencies such as the police and probation services and non-governmental organisations (NGOs) eg working with organisations supporting homeless people, refugees and in social research.

We will enable you to develop a range of social scientific, analytic and communication skills and a variety of transferable skills valued by many employers in a range of industries (eg media organisations, local government and charitable organisations, and commercial and financial service sectors).

Studying with us also provides a sound basis from which you will be able to pursue postgraduate studies either with a vocational orientation (MA in Social Work, Legal Practice Course, for example) or to further your research skills at master's and Doctoral levels.

## Work experience opportunities

During Year Two, you may have the opportunity to gain valuable work experience as part of your studies by undertaking a 10 week voluntary placement with a local organisation. In Year Three, you have the opportunity of taking up a year long placement in order to complete a specific project. Our Interchange initiative connects you with a variety of voluntary and charitable organisations in and around the region. These include the Community Voluntary Service, Refugee Action, Liverpool Student Community Action (homelessness project, play days and Chinese New Year celebrations), Victim Support, Barnados, and the Citizens Advice Bureau. Through this kind of work you will produce reports to help the organisations develop their services and meet local needs – a great thing to have on your CV!

## How you learn

You will spend an average of eight hours a week in face-to-face teaching, which is supplemented by opportunities to get one-to-one guidance from academic staff during their weekly 'open office' hours. The rest of your study time will be spent undertaking directed independent study. You will also be supported throughout by an individual academic adviser. Learning is delivered in a variety of formats including: lectures, seminars, workshops, tutorials, guided independent study, group work and reflective and experiential learning.



## Programme overview

We want our students to become engaged graduates, understanding the distinctively social characteristics of human experience, and the analytical value of critical social investigation. We instil in our students a range of tools for understanding a variety of forms of human interaction, from micro to macro, their interconnections and their dynamics. We are focused on engagement in learning. Whether through teaching or research the emphasis is on raising pertinent questions about the social world, problem solving and making a difference to the world we live in. With you, we will explore various aspects of people's lives and raise questions about the relationship between personal troubles and public issues. The Department of Sociology, Social Policy and Criminology aims to raise public issues and cultivate public understanding within the themes of social justice, crime and social harm, human rights, the constitution of citizenship and the nature of urban living. Together we develop your social scientific imagination and critical thinking capacity. This means that our teaching and learning will equip you with the tools necessary for understanding the major issues of our age. This analytical, critical, problem solving approach to understanding a range of issues within the social world gives you key employability skills.

## Which degree

**Criminology.** One of the founders of sociology, Emile Durkheim made an observation that is still relevant today. He wrote, "There is no society known where a more or less developed criminality is not found under different forms... we must therefore call crime necessary and declare that it cannot be non-existent, that the fundamental conditions of social organisation, as they are understood, logically imply it". Crime is one of the most talked about and governed problems of the contemporary age but what is 'crime'? Is it on the increase? Is it a social problem that has a 'solution'? Are criminals easily identifiable? Are victims a readily apparent group? What is the purpose of justice and punishment in the criminal justice system? Such questions provide the focus for the study of Criminology.

Our Department has great expertise in exploring the links between how societies come to codify and respond to 'crime' – out of which we can explore aspects of social harm, power and powerlessness. Our approach to Criminology investigates these issues in relation to theoretical perspectives and the workings of criminal justice institutions.

**Sociology.** If you are looking for an exciting and challenging grounding in approaches to understanding social institutions, social change and conflict as well as the factors shaping social, public and civic policy then Sociology is for you. Sociology also offers you the opportunity to explore the diversity of perspectives and research methods with which to grasp the social world. To what extent are societies diverse? To what extent are they unequal? The knowledge that sociology brings is often contentious and reflects current social, public and civic disputes. Consequently, our sociology students are encouraged to develop awareness of their own values and an appreciation of how alternative values impact upon rival interpretations of evidence.

**Social Policy.** How societies care for particular vulnerable groups, and how we manage issues like poverty and unemployment are among a long list of matters of national concern. Studying social policy is all about how we as a society decide who receives support, what shape it takes, and who provides it to those who are deemed in need. Who should provide services and support: the state, the market, charities or families? These kinds of questions inform the study of the distribution and organisation of welfare and well-being within societies, and provide an exciting in-road into studying Social Policy with us. Social Policy focuses on the ways in which different societies understand and meet the needs of their populations. Studying within our Department provides a readiness to engage with the nature of social problems through a range of intellectual traditions and social perspectives, and the opportunity to work directly with organisations involved in this field.

## Honours Select

Our subjects combine very well with Law, Politics, History and many more.

# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Criminology BA (Hons) L311</b> 3 years <span>100</span> <span>75</span> <span>50</span> <span>25</span>	BBB	30	DDM <sup>①</sup>	283
<b>Sociology BA (Hons) L302</b> 3 years <span>100</span> <span>75</span> <span>50</span> <span>25</span>	BBB	30	DDM <sup>①</sup>	283
<b>Social Policy</b> <span>50</span> <span>25</span>				283

<sup>①</sup> DDM with 100 out of 180 credits at Distinction.

## Criminology BA (Hons) 100 75 50 25

**UCAS code: L311**

Programme length: 3 years

Some of the world's most influential and respected criminologists teach and research within our Department. The Criminology degree tackles the problems of crime, deviance, victimisation and social harm in a high quality programme that makes the subject exciting and intellectually challenging. This degree draws on the Department's expertise in crime prevention, surveillance, policing, sentencing, victimology, youth justice and corporate crime. Modules are continually updated and designed to provide you with a well-rounded Criminology learning experience.

## Sociology BA (Hons) 100 75 50 25

**UCAS code: L302**

Programme length: 3 years

Our approach to Sociology engages you in a critical study of society. You will learn to make sense of what drives change in the social world and the possible directions this change may take. The effect of new ideas, technologies, government programmes and social conflict on everyday life is explored through your study of a broad range of subjects that take in local, national and global social relationships. The aim? To give you a comprehensive grasp of the sociological imagination and the real world issues it speaks to.

## Social Policy Joint and Minor 50 25

If you are thinking of a career in the social services or public administration, combining Social Policy with another subject allows you to build the ideal degree. This Social Policy route will explore the ways in which governments seek to provide services and to change conditions in fields such as health, education and welfare support.

You will study current political issues relevant to social policy today, aspects of social change and social divisions that underpin the context of social policy intervention and examine the nature of contemporary welfare services and the dynamics of social inclusion and exclusion.



100 75 Available as part of the Faculty of Humanities and Social Sciences **Honours Select** scheme. Choose from over 50 25 30 subjects to create your perfect Joint or Major/Minor Honours degree. See pages 290-295 for more information.

**i** For up-to-date entry requirements and full module details see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses)

# Veterinary Science

Your studies are built on an outstanding tradition: the University of Liverpool's Veterinary School was the first of the UK Veterinary Schools to be part of a university, and the first to offer a degree in veterinary science. Looking forward, you'll benefit from a continuing commitment to innovative veterinary education and research that will support you throughout your lifelong career.

*I enjoy how relevant the lectures are to my chosen career and how I feel more like I can succeed as a veterinary surgeon every day, in particular I think the new spiral curriculum is a fantastic way to learn, not just for exams, but to be able to retain more information when I become a qualified vet. I feel like I have joined a family rather than a degree programme, there is always support available and they run a student-to-student buddy scheme and regular inter-year events designed to help everybody succeed together.*

**Hannah Hartley**  
Veterinary Science BVSc

## Good to know

### 169

Year One undergraduates in 2015

### 2nd

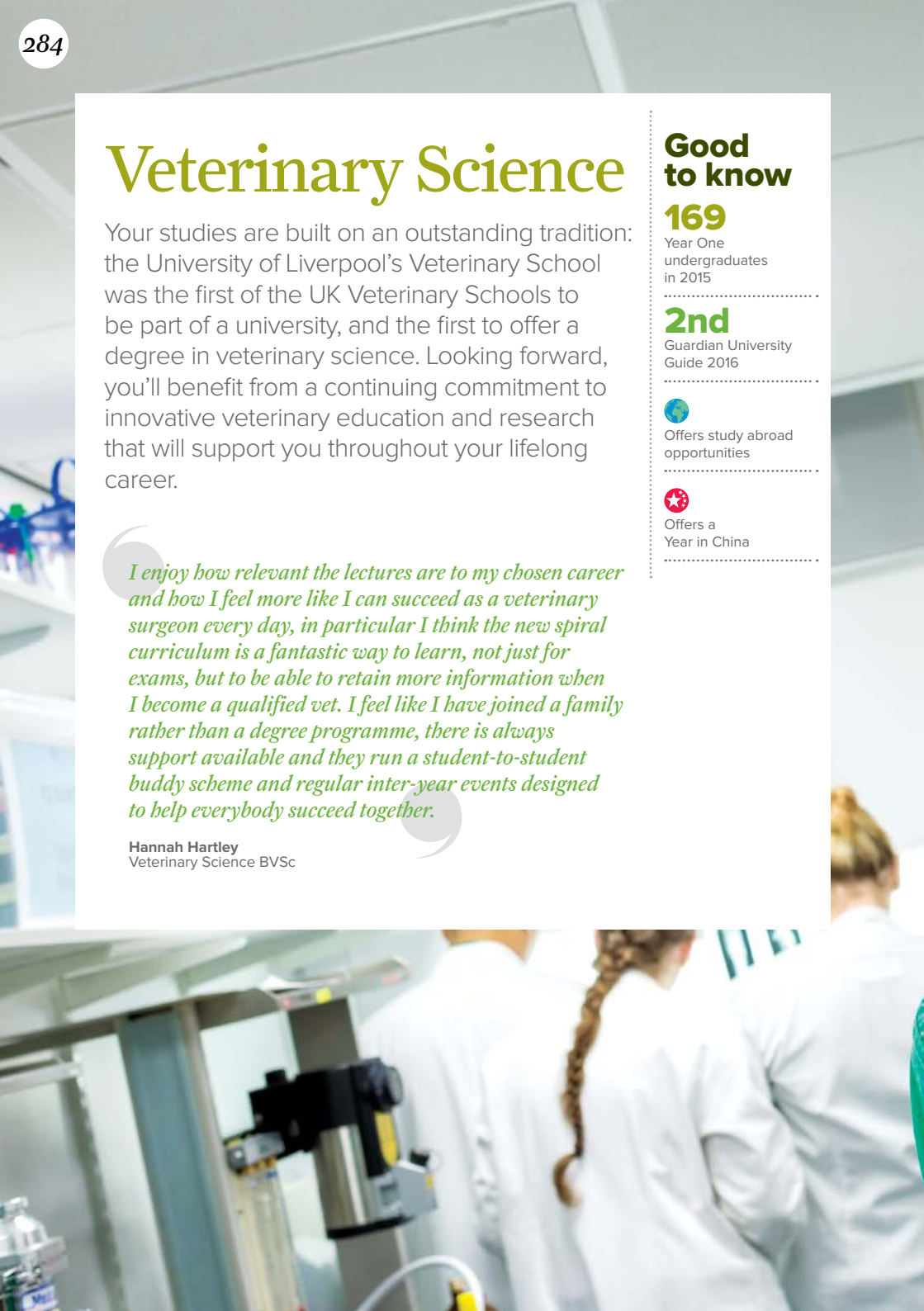
Guardian University Guide 2016



Offers study abroad opportunities



Offers a Year in China





# Why choose Veterinary Science at Liverpool?

## Enjoy an innovative and exciting programme of study

We're built on over a century of innovation in teaching, learning and research and were the first university vet school and the first to offer a BVSc. Today this innovation continues: we have developed a forward looking undergraduate curriculum designed with the advice of consultants from several animal related industries, and regularly review our programme to ensure your learning is at the leading edge. The programme introduces clinical skills and animal handling from the first term, allowing students to develop their skills and knowledge over the five year course.

## Gain early, practical experience in our farms, referral hospitals and first opinion practices

Our wide-ranging and unique on-site facilities offer you hands-on experience early in your studies. We're distinct in the UK in that we have two farms, alongside three first-opinion practices and two referral hospitals on campus meaning you can get real experience of all aspects of veterinary practice: equine, large animal, and small animal. You'll also benefit from our close associations with Chester Zoo.

## Start your career with confidence

Your future prospects are strengthened through the Member of the Royal College of Veterinary Surgeons (MRCVS) recognition your programme offers you, and the reputation the University carries with your employers. We were number two in the recent Guardian league tables and our programme of continuing development can support you throughout your career.

## Enjoy both city and rural lifestyles

Your first three years are spent at the city centre campus enjoying all Liverpool has to offer. Your final two clinical years are spent at the Leahurst campus, on the beautiful Wirral peninsula.

## Study abroad

Veterinary Science students can currently apply to participate in the Erasmus+ programme to undertake three month clinical rotations in Year Four or Five. There are also opportunities to undertake extra-mural studies overseas. For more information, visit [www.liverpool.ac.uk/goabroad](http://www.liverpool.ac.uk/goabroad)

## Year in China

The Year in China is the University of Liverpool's exciting new flagship programme enabling undergraduate students from a huge range of departments, including Veterinary Science, the opportunity to spend one year at our sister university Xi'an Jiaotong-Liverpool University (XJTLU), following XJTLU's BA China Studies degree classes. See [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina) for more information.



### Your future

The vast majority of veterinary students find employment within six months of graduation. Most newly qualified vets choose to work in private veterinary practices. Others decide to work for animal charities, in laboratories, abattoirs, industry or the public health sector, and some pursue careers in research. Others go on to higher degrees, for example PhDs, or further studies in particular veterinary specialities.

### How you learn

There is a combination of problem-based learning, didactic teaching and small-group practical classes allowing students to develop lifelong learning techniques.

### Which degree

Our degree programme in **Veterinary Science** leads to the professional qualification of Membership of the Royal College of Veterinary Surgeons (MRCVS). The **BVSc** programme (**D100**) is taken over five years. For those interested in a career in **Bioveterinary Science**, there is a three-year **BSc (Hons)** programme (**D900**) taught in the areas of Veterinary Science and Biological Sciences, run by the School of Life Sciences (see page 185).

*Joining the vet course was nerve-wracking at first, however it's not long until you're in a routine, keeping up-to-date with work and enjoying the dynamic aspects all university students look for when enrolling on a programme. For me, I couldn't have asked for a greater start to my journey in becoming a vet.*

**Daniel Bell**  
Veterinary Science BVSc

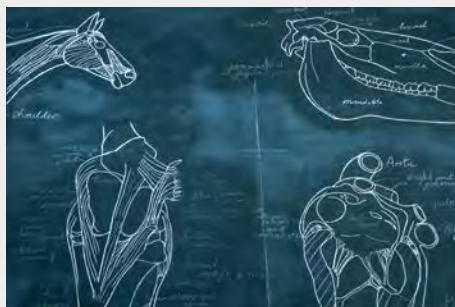


# Degrees

	Typical Offer			Page
	A level	IB	BTEC	
<b>Veterinary Science BVSc D100</b> 5 years	AAA	36	①	289
<b>Foundation to Health and Veterinary Studies (Year 0) 74JJ</b> 1 year	②			289
<i>Degrees offered with other departments</i>				
<b>Bioveterinary Science BSc (Hons) D900</b> 3 years	See Life Sciences			185

Three A levels in Biology, one other academic science related subject and any other subject excluding General Studies, Critical Thinking and Citizenship Studies. If Chemistry is not offered at A level, grade B at AS level is required. A minimum of seven GCSEs including grade B in Mathematics, English and Physics (either as a separate subject or as Dual Award Science) are required. Work experience in veterinary practice and other animal experience is required. Please see the website [www.liverpool.ac.uk/veterinary-science/undergraduate/prospectiveapplicants](http://www.liverpool.ac.uk/veterinary-science/undergraduate/prospectiveapplicants) for further details, or contact the School E: [vetadmit@liverpool.ac.uk](mailto:vetadmit@liverpool.ac.uk)

- ① Edexcel Level 3 Extended Diploma in Animal Management with DDD overall plus an AS level grade B in Chemistry.
- ② Foundation programmes have flexible entry requirements. Contact Sean Hollywood E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) for details.



## Veterinary Science BVSc

UCAS code: D100

Programme length: 5 years

The degree of BVSc enables you to acquire the professional skills, knowledge and experience necessary to qualify as a Veterinary Surgeon. The first three years of the BVSc programme integrate preclinical subjects with clinical skills and problem solving. The fourth and final years are clinical, and are based at the Leahurst campus.

### UCAS choices

Candidates must select only four programmes for Veterinary Science. The remaining choice should be used for applications to other degree programmes. This will not prejudice your application.

## Foundation to Health and Veterinary Studies (Year 0)

UCAS code

(Veterinary Pathway): 74JJ

Programme length: 1 year

The University of Liverpool, in collaboration with local FE partners, has developed a Year Zero foundation programme for Home/EU students that leads to access onto a variety of vocational Health Studies programmes. Students seeking entry to Veterinary Science study at Carmel College, St Helens.

Successful completion to the specified standard Health Screening and Disclosure and Barring ensures automatic progression onto the Veterinary Science degree programme at the University of Liverpool.

Please note that application to this programme is through UCAS, the programme is specifically targeted at Home/EU mature and non-traditional students who typically have taken a break from studies.

When applying, you must ensure that you apply for the one pathway that you wish to progress on to. Multiple applications will be rejected and result in disappointment. We will also not consider applications from applicants who have multiple UCAS applications for a variety of programmes, as this does not demonstrate a clear commitment.

For further information on how to apply to this programme please contact Sean Hollywood on T: +44 (0)151 794 9490 E: [s.hollywood@liverpool.ac.uk](mailto:s.hollywood@liverpool.ac.uk) or visit [www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studiesyear-0/overview/](http://www.liverpool.ac.uk/study/undergraduate/courses/foundation-to-health-studiesyear-0/overview/)



# Honours Select

The Faculty of Humanities and Social Sciences offers Honours Select, an innovative way to study subjects across the Faculty.

Honours Select offers an extremely wide range of Joint (50:50) degrees across the Faculty. In addition, you are able to study two subjects on a 75:25 basis, focusing 75% of your time on your Major subject and 25% of your time on your Minor. For enquiries on Honours Select, contact E: [honoursselect@liverpool.ac.uk](mailto:honoursselect@liverpool.ac.uk)

## The employer's perspective

We consulted widely with employers and careers experts when developing the Honours Select programme. They strongly supported the emphasis on flexibility, breadth and multidisciplinary skills as a valuable addition to the strong Single Honours programme. As the University of Liverpool's Head of Careers & Employability wrote: *"From our work with graduate recruiters it's clear that the key to 21st century employability lies in positioning yourself at the intersections between academic subject disciplines. That's where innovation exists, that's what gives organisations from Apple to Unilever a competitive advantage, and that's why Honours Select offers students such an important head start in the job market."*

## How to build your Honours Select programme

Honours Select gives you the opportunity to study one or two of our subjects in more flexible ways. Decide which of the following statements best fits your interests, and then just follow the instructions to identify and learn more about our subjects.

### I am interested in one subject only:

1. Use the detailed programme pages (on pages 58-289) and at [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate) to learn more about the subject that you are interested in
2. If your chosen subject is also available in 75%, 50% or 25% form, you will usually have the option to change your mind and combine subjects during your first year.

### I am mostly interested in one 'Major' subject, but also interested in studying another subject as a 'Minor' for a 75:25 degree:

1. Check the grid of Major/Minor (75:25) combinations (see pages 294-295). Start with the subject you are most interested in, and look at all the possible Minor subjects that can be combined with it
2. When you see a combination that interests you, check the detailed programme pages at [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate) for both subjects to learn more about what we offer
3. When you have decided what you want to apply for, use the UCAS Major code on the grid; we will then register you for your full Major/Minor combination during your first year at Liverpool. This keeps your options open
4. If you cannot find the subject you are interested in listed on the Major column, please check the subject pages for more information. In a few cases, subjects are only available as a 100% Single Honours degree, or as a Joint or Minor subject.

### I am interested in two subjects equally:

1. Check the grid of Joint (50:50) combinations (see pages 292-293) to see the range of choices we offer
2. Look at the detailed programme pages at [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate) for both subjects to learn more. When you have identified a combination you would like to apply for, please use the relevant UCAS code listed on the grid.

## Entry requirements

### Joint Honours (50:50)

For Joint Honours (50:50) combinations, the entry requirement is ABB.

The only exception is where both subjects have an entry requirement of BBB, in which case the Joint Entry (50:50) combination entry requirement will also be BBB. You will need to satisfy the subject specific entry requirements, including GCSE, for both subject areas. The only exception is the A level requirement for Economics at 50% for which we would require a grade B at A level Mathematics.

Please check the entry requirement information listed on the relevant programme pages in this prospectus and you can also check the tab on each subject page on our website at [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate) for further details.

### Major/Minor (75:25)

For Major/Minor (75:25) combinations, the entry requirements for the Major subject will apply.

For example, if the Major subject asked for ABB at A level and the Minor subject required AAA, the entry requirements would be ABB. The subject specific requirements for the Major subject, including GCSE must also be satisfied.

Generally, we do not require students to achieve subject specific entry requirements for their chosen Minor subject. However, as French is not currently offered at beginners' Level, for a Minor in French, we will usually require a B at A level French. In addition, those wishing to study a Minor in Economics will require a grade B at A level Mathematics.

Please check the entry requirements information listed on the relevant programme pages in this prospectus and you can also check the tab on each subject page on our website at [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate) for further details.

### Study abroad

Students studying under Honours Select can still apply to study abroad, as long as both subjects have compatible partners. See individual subject pages for more information.





Please apply for the UCAS code that appears in the box. Grey squares with no code show subjects that cannot be combined. Some subjects are not available at Joint Honours level (50%) either for professional accreditation reasons, or as the subjects overlap. Check the main programme pages as there is usually a Single Honours degree in this area. We regularly introduce new subject combinations, see [www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses) for details.

Film Studies	French	German	Hispanic Studies	History	International Politics & Policy	Irish Studies	Italian Studies	Law	Music	Music Technology	Philosophy	Politics	Popular Music	Social Policy	Sociology
P3V6	R1V6	R2V6	R4V6	V1V6	LV26	Q3V6	R3V6	M1V6	W3V6	WRV1	V5V6	L2V6	W3V1	LV41	L3V6
P3V4	R1V4	R2V4	R4V4	V1V4	VL24	Q3V4	R3V4	M1V4	W3V4	W34V	V5V4	L2V4	V4W3	L4V4	L3V4
P3N1	NR11	NR12	NR14	V1N1	L2N1	Q3N1	NR13	M1N1	W3N1	W31N	V5N1	LN1F	WN31	L4N1	L3N1
PR11	RR10	RR11	RR15	VR17	LR14	QR20	RR16	MR10	WR10	WR11	VR18	LR15	WR12	LR12	LR13
P3Q8	R1Q8	R2Q8	RQ38	V1Q8	LQ28	Q3Q8	R3Q8	M1Q8	QW83	W38Q	V5Q8	L2Q8	WQ38	L4Q8	L3Q8
P3Q4	R1Q4	R2Q4	RQ44	V1Q4	LQ24	Q3Q4	R3Q4	M1Q4	W3Q4	W83Q	V5Q4	L2Q4	WQ34	L4Q4	L3Q4
PPP3	RP13	R2P3	RP33	V1P3	LP23	Q3P3	PR93	M1P3	WP33	Q39P	V5P3	LP29	WN23	L4P3	L3P3
PL33	R1L3	R2L3	LLL3	V1L3	LL23	Q3L3	R3L3	M1L3	W3L1	W33L	V5L3	L2L3	WL31	L4L3	LM39
PL13	R1L1	R2L1	RL11	V1L1	LL21	Q3L1	R3L1	M1L1	W3L0	W31L	V5L1	L2L1	L1W3	L4L1	L3L1
PV34	RV14	RV24	RV44	VV41	LV42	QV34	RV34	MV14	VW34	W43V	VV54	LV24	VV43	LV44	LV34
P3Q3	QR31	QR32	QR34	QV31	LQ23	QV33	R3Q3	M1Q3	W3Q3	W33Q	QV35	L2Q3	Q3W3	L4Q3	L3Q3
PQ31	QR23	QR22	QR14	QV33	QL23	QV35	QR33	QM31	QW33	W31Q	QV53	QL32	QW31	QL30	QL34
P31Q	Q23R	Q32R	Q14R	Q33V	QL22	Q3Q5	Q3R3	Q3M1	Q33W	W32Q	Q3V5	Q2L3	QW32	Q30L	QL35
■	RP31	RL23	P3R4	VP13	LP32	PQ33	R3P3	MP31	W3P3	WP30	VP53	L2P3	P3W3	LP43	LP33
RP31	■	RR12	RR14	VR11	LR21	Q3R1	RR33	M1R1	W3R1	W31R	VR51	L2R1	WR31	L4R1	L3R1
RL23	RR12	■	RR24	VR12	LR22	Q3R2	RR23	M1R2	W3R2	W32R	VR52	L2R2	WR32	L4R2	L3R2
P3R4	RR14	RR24	■	VR14	LR42	Q3R4	RR34	M1R4	W3R4	WR45	VR54	LR24	WR34	L4R4	L3R4
VP13	VR11	VR12	VR14	■	L2V1	QV51	VR13	MV11	VW13	W31V	VV51	LV21	VV31	LV41	L3V1
LP32	LR21	LR22	LR42	L2V1	■	Q3L2	R3L2	M1L2	W3L2	W24L	V5L2	■	WL32	L4L2	L3L2
PQ33	Q3R1	Q3R2	Q3R4	QV51	Q3L2	■	RQ33	MQ13	WQ33	WQ35	V5Q3	QL52	W3QQ	LQ43	LQ33
R3P3	RR33	RR23	RR34	VR13	R3L2	RQ33	■	M1R3	W3R3	W33R	VR53	L2R3	WR33	L4R3	L3R3
MP31	M1R1	M1R2	M1R4	M1V1	M1L2	MQ13	M1R3	■	W3M1	W31M	M1V5	L2M1	WM31	L4M1	L3M1
W3P3	W3R1	W3R2	W3R4	VW13	W3L2	WQ33	W3R3	W3M1	■	■	V5W3	L2W3	W301	L4W3	L3W3
WP30	W31R	W32R	WR45	W31V	W24L	WQ35	W33R	W31M	■	■	W35V	WW34	■	WL34	WL43
VP53	VR51	VR52	VR54	V5V1	V5L2	V5Q3	VR53	M1V5	V5W3	W35V	■	LV25	VV35	L4V5	L3V5
L2P3	L2R1	L2R2	LR24	LV21	■	QL53	L2R3	L2M1	L2W3	WW34	LV25	■	WL23	LL42	LL32
P3W3	WR31	WR32	WR34	VV31	WL32	WRQ3	WR33	WM31	W301	■	VV35	WL23	■	LW34	LW33
LP43	L4R1	L4R2	L4R4	LV41	L4L2	LQ43	L4R3	L4M1	L4W3	WL34	L4V5	LL42	LW34	■	LL34
LP33	L3R1	L3R2	L3R4	L3V1	L3L2	LQ33	L3R3	L3M1	L3W3	WL43	L3V5	LL32	LW33	LL34	■

# Major/Minor (75:25) combinations

	Ancient Greek	Ancient History	Archaeology	Basque	Business	Catalan	Chinese	Classical Studies	Communication and Media	Criminology	Economics	Egyptology	English	English Language	English Literature
<b>Ancient History</b>	V110	■ V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110
<b>Archaeology (BA)</b>	V400	V400	■ V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400
<b>Archaeology (BSc)</b>	V402	V402	■ V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402
<b>Business Management</b>	N100	N100	N100	N100	■ N100	N100	N100	N100	N100	N100	■ N100	N100	N100	N100	N100
<b>Classical Studies</b>	Q810	Q810	Q810	Q810	Q810	Q810	Q810	■ Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810
<b>Classics</b>	■ Q800	Q800	Q800	Q800	Q800	Q800	Q800	■ Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800
<b>Communication and Media</b>	P900	P900	P900	P900	P900	P900	P900	■ P900	P900	P900	P900	P900	P900	P900	P900
<b>Criminology</b>	L311	L311	L311	L311	L311	L311	L311	L311	L311	■ L311	L311	L311	L311	L311	L311
<b>Economics</b>	L100	L100	L100	L100	■ L100	L100	L100	L100	L100	L100	■ L100	L100	L100	L100	L100
<b>Egyptology</b>	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	■ V410	V410	V410	V410
<b>English</b>	Q300	Q300	Q300	Q300	Q300	Q300	Q300	Q38Q	Q300	Q300	Q300	Q300	■ Q300	■ Q300	■ Q300
<b>English Language</b>	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	■ Q310	■ Q310	Q310
<b>English Literature</b>	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	■ Q320	■ Q320	■ Q320
<b>French</b>	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120
<b>German</b>	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220
<b>Hispanic Studies</b>	RR45	RR45	RR45	■ RR45	■ RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45
<b>History</b>	V100	V11	V100	V100	V100	V100	V100	VQ18	V100	VL13	V100	V100	V100	V100	V100
<b>International Politics &amp; Policy</b>	L240	L240	L240	L240	L240	L240	L240	L240	L240	L240	L240	L240	L240	L240	L240
<b>Irish Studies</b>	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540
<b>Law</b>	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100
<b>Music</b>	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300
<b>Music &amp; Technology</b>	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370
<b>Philosophy</b>	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500
<b>Politics</b>	L210	L210	L210	L210	L210	L210	L210	L210	L210	L210	L210	L210	L210	L210	L210
<b>Popular Music</b>	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340
<b>Sociology</b>	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302



Major Minor

We regularly introduce new subject combinations, see

[www.liverpool.ac.uk/study/undergraduate/courses](http://www.liverpool.ac.uk/study/undergraduate/courses) for details.

Some subjects and/or combinations are not available at these levels either for professional accreditation reasons, or as the subjects overlap. Check the main programme pages as there is usually a Single Honours degree in this area.

Evolutionary Anthropology	Film Studies	French	German	Heritage Studies	History	International Politics & Policy	Irish Studies	Italian	Latin	Law	Music	Music Technology	Philosophy	Politics	Popular Music	Portuguese	Social Policy	Sociology	Spanish	
V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110	V110
V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400	V400
V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402	V402
N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100	N100
Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810	Q810
Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800	Q800
P900	P993	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900	P900
L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311	L311
L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100	L100
V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410	V410
Q300	Q33P	Q300	Q300	Q300	Q3V1	Q300	Q35Q	Q300	Q300	Q300	Q300	Q300	Q300	Q300	3QL2	Q300	Q300	Q300	3QL3	Q300
Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310	Q310
Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320	Q320
R120	R120	■	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120	R120
R220	R220	R220	■	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220	R220
RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	RR45	■	RR45	RR45	■
V100	V13P	V100	V100	V100	■	V100	H347	V100	V100	V1M1	V100	V100	V100	V1L2	V100	V100	V100	V100	V13L	V100
L240	L240	L240	L240	L240	L240	■	L240	L240	L240	L240	L240	L240	L240	■	L240	L240	L240	L240	L240	L240
Q540	Q540	Q540	Q540	Q540	Q540	Q540	■	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540	Q540
M100	M100	M100	M100	M100	M100	M100	M100	M100	M100	■	M100	M100	M100	M100	M100	M100	M100	M100	M100	M100
W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	W300	■	■	W300	W300	■	W300	W300	W300	W300	W300
W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	W370	■	■	W370	W370	■	W370	W370	W370	W370	W370
V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	V500	■	V500	V500	V500	V500	V500	V500	V500
L210	L210	L210	L210	L210	L21V	■	L210	L210	L210	L210	L210	L210	■	L210	L210	L210	L210	L210	L210	L210
W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	W340	■	■	W340	W340	■	W340	W340	W340	W340	W340
L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	L302	■

# Applications and admissions

We welcome applications from all over the world, and it's our aim to make the process of applying as smooth as possible.

## **Making an application through UCAS**

Applications for full-time undergraduate study are made via UCAS, the Universities and Colleges Admissions Service, using UCAS's online application system at [www.ucas.com](http://www.ucas.com). The deadline for applications for UK and EU students wishing to start their studies in 2017 (other than those wishing to apply for Medicine, Dentistry and Veterinary Science) will be the 15 January 2017. For international students, the deadline is 30 June 2017.

## **Applications for Medicine, Dentistry and Veterinary Science**

Applications for Medicine, Dentistry and Veterinary Science should be submitted to UCAS by 15 October 2016. You may apply to up to four choices for Medicine, Dentistry or Veterinary Science and you may use your fifth choice for an alternative programme without prejudice to your application for Medicine, Dentistry or Veterinary Science.

## **Year in China applications**

If you are planning to study with a Year in China please refer to the application guidelines here [www.liverpool.ac.uk/yearinchina](http://www.liverpool.ac.uk/yearinchina)

## **Selection procedures at the University of Liverpool**

Full information on the way in which we will assess your application is available on our website at [www.liverpool.ac.uk/ug-admissions](http://www.liverpool.ac.uk/ug-admissions)

The University has an Undergraduate Admissions Policy which sets out the general principles we follow, when making decisions. The policy document may be found online at [www.liverpool.ac.uk/ug-admissions](http://www.liverpool.ac.uk/ug-admissions)

## **Entrance requirements**

For full details on the programmes we offer and detailed entrance requirements, visit [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate)

For information on English language entry requirements contact the International Recruitment, Relations and Study Abroad Team on T: **+44 (0)151 794 6730** or E: [irro@liverpool.ac.uk](mailto:irro@liverpool.ac.uk)

Information on acceptable international qualifications is available at [www.liverpool.ac.uk/study/international](http://www.liverpool.ac.uk/study/international)



### Students with disabilities

We give equal consideration to all applicants and welcome applications from students with disabilities.

Please contact the Disability Support Adviser on **T: +44 (0)151 794 4714** to discuss your support needs before you submit your UCAS application.

### Preparatory Programmes Partner Colleges

For some programmes with Foundation elements, you study the first part at a partner college. Such programmes are listed in the relevant departmental section of this prospectus (see pages 58-289).

### Go Higher

The University offers the 'Go Higher' programme as a route into Higher Education for people who are not applying directly from school or college, and who do not have traditional entry qualifications. Go Higher develops your academic skills, provides a broad foundation for your successful transition to university and enables you to apply for a diverse range of degrees in Humanities. Further details may be found at [www.liverpool.ac.uk/gohigher](http://www.liverpool.ac.uk/gohigher)

### Applicants who have been in the care of a UK Local Authority

The University is keen to support applicants who are, or who have been, in the care of a UK Local Authority as a looked after child, and a member of our support services team is available to offer advice to applicants who have indicated on the UCAS form that they are or have been in care. For further details, contact our Financial Support Team at **E: [fst@liverpool.ac.uk](mailto:fst@liverpool.ac.uk)**

### Mature students

We welcome applications from candidates who are not applying directly from school or college, or who have non-standard qualifications, or who wish work or life experience to be taken into account as part of their application. For further information see [www.liverpool.ac.uk/study/undergraduate/adult](http://www.liverpool.ac.uk/study/undergraduate/adult)

### Diversity and Equality

The University of Liverpool attaches the greatest importance to its policies and activities to promote diversity and equality of opportunity. Full details on these policies can be found online at [www.liverpool.ac.uk/diversity-and-equality](http://www.liverpool.ac.uk/diversity-and-equality)

# Student finance



There is a wide range of financial support available for students starting their studies in 2017. To find out more and for more information about tuition fees visit [www.liverpool.ac.uk/money](http://www.liverpool.ac.uk/money)

## Additional costs

For information about programme specific additional costs please see the relevant programme pages online at [www.liverpool.ac.uk/study/undergraduate](http://www.liverpool.ac.uk/study/undergraduate)

You can also use our online student finance calculator to find out what support you could be entitled to [www.liverpool.ac.uk/study/undergraduate/finance-calculator](http://www.liverpool.ac.uk/study/undergraduate/finance-calculator) or call us on T: +44 (0)151 794 5927.





## Terms and conditions

Every effort has been made to ensure that information contained within this prospectus is accurate at the time of going to press. For more detailed terms and conditions see [www.liverpool.ac.uk/study/undergraduate/applying/terms/](https://www.liverpool.ac.uk/study/undergraduate/applying/terms/)

# How to find US



## MANCHESTER

50 minutes

## LEEDS

1 hour 28 minutes

## BIRMINGHAM

1 hour 44 minutes

## LONDON

2 hours 12 minutes

## CARDIFF

3 hours 39 minutes





**KEY**  
 MAIN UNIVERSITY  
 PRECINCT

**WALKING DISTANCE**  
 UNIVERSITY TO LIME STREET STATION: 15 MINS  
 UNIVERSITY TO ALBERT DOCK: 25 MINS

● **Crown Place**  
Halls of Residence

● **Meville Grove**  
Halls of Residence

● **Vine Court**  
Halls of Residence

● **Philharmonic**  
Court

● **Greenbank**  
Student Village

● **Camatic**  
Student Village

To M62

To M62

To M62

To M62

To M62

To M58

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56

To M56



Department	Building	Grid	Department	Building	Grid	Department	Building	Grid
<b>A</b>								
Academic Secretary's Office	765	D7	Finance Office	765	D7	National Oceanography Centre	259	B9
Accommodation Office	502	D6	Foresight Centre (Block J)	359	C10	Nicholson Building	444	C4
Active Learning Laboratory	234	B7	Foundation Building	765	D7	Nuclear Magnetic Resonance Centre for Structural Biology (NMR)	214	G8
Alzheimer's Directorate	502	D6	French	198	E2	Nuffield Wing	312	E8
Alsop Building	750	E7	<b>F</b>		F8, G8	Nursery	507	G5
Alumni & Development Office	765	D7	Garstang Museum	147	E3	Nursing	302	C8
Applied Psychology	106	D2	Gastroenterology	312	E8	<b>O</b>		
Archaeology, Classics & Egyptology	146, 147, 253	E3, B8	Geography	107	E2	Obesity & Endocrinology	316	E11
Architecture	149	E4	Geology	201	B9	Occupational Health Service	444	C4
Archive Studies	144	D3	Geomagnetism Laboratory	208	F4	Occupational Therapy	304	D8
Archives Unit	433	F3	Geophysics	201, 208	B9, F4	Ocean Sciences	203	B9
Arts, The School of	148, 149	E4	George Holt Building	231	D1	Oliver Lodge	208	F4
Ashton Building	422	D7	German	108	E2	Orthotics	301	C8
Augustus John Pub	750	E7	Gordon Stephenson Building	109	D3	<b>P</b>		
<b>B</b>			Graduate School	765	D7	Partnerships & Innovation	765	D7
Bedford House	505	D4	Graduate School Suite	221	F6	Pathology	315	D3
Biochemistry and Cell Biology	215, 216	F8, G8	Gt Newton St Residences	806	B9	Philosophy	143	D11
Biostatistics	315	B11	Guid of Students	501	D6	Physical Science, School of	207, 208, 213 E5, F4, G5	
Biosciences Building	215, 216	F8, G8	Gulf Shop	502	D6	Physics	208, 210	E4, F4
Biomedical Sciences	312, 313, 315 D8, E8, D11		<b>H</b>		D11	Physiology	313	E8
Blackwell's Bookshop	750	E7	Haematology	315	D11	Physiotherapy	304	D8
Brodie Tower	233	C8	Harriet Hughes Building	239	C7	Planning and Civic Design	109	D3
Brownlow Group Practice	358	C10	Harold Cohen Library	431	D8	Planning & Development Division	765	D7
Business Gateway	354	C9	Hart Building	766	D6	Plant Sciences	215, 216	F8, G8
<b>C</b>			Hartley Building	253	B8	Politics	107	E2
Cafe on the Square	750	E7	Health Sciences, School of	301	C8	Popular Music	101	D2
Cancer Registry	232	C8	Health Sciences (Waterhouse Building B)	352	C9	Population, Community & Behavioural Sciences	302	E8
Cancer Research Centre (CRC)	329	C11	Health Services Research	352	C9	Port & Maritime History	145	C3
Cancer Studies	RLU/H	E11	Henry Cohen Lecture Theatre	315	D11	Press Office	765	D7
Cancer Trials Unit	353	C9	Hispanic Studies	108	E2	Primary Care	302	C8
Careers & Employability Service	502	D6	History	144	D3	Princes Trust	505	D4
Cedar House	360	D10	Hospitality Liverpool	503	D3	Procurement	765	D7
Cellular and Molecular Physiology	312	E8	Human Animal Resource Centre	301	C8	Psychiatry	315	E11
Central & Eastern European Studies	145	E3	Human Resources	766	D6	Psychology Clinical	302	C8
Central Teaching Hub	221	F6	<b>I</b>		D11	Psychology School of Public Health & Policy	106	D2
Central Teaching Laboratory (CTL)	802	F6	Immunology	315	D11	Quality Control North West (Entrance via Block B)	355	C9
Centre for Excellence in Evidence-Based Learning & Teaching	301	C8	Innovative Catalysis	213	G5	<b>R</b>		
Centre for Excellence in Medical Education	360	D10	Infection Biology	803	F9	Radiotherapy	301	C8
Centre for Materials Discovery (CMD)	213	G6	Integrative Biology, Institute of International Recruitment & Relations Team	215, 216	F8, G8	Reilly Building	501	D6
Chadwick Tower	207	E5	Institute of Ageing & Chronic Disease	765	D7	Rendall Building	432	D2
Chapel, The (Foresight Centre)	353	C9	Institute of Infection and Global Health	803	F9	Research Support Office	353, 354	C9
Chatham Building	425	F2	Institute of Learning & Teaching	301	C8	Research Finance	354	C9
Chemistry	213	G5	Institute of Translational Medicine	312	D8	Research in Primary Science & Technology	765	D7
Children's Centre	509	G5	Institute of Psychology, Health & Society	352	C9	Residential, Sport & Commercial Services (RSCS)	114	C4
Civic Design	109	D3	Irish Studies	141	D4	Ronald Ross Building	803	F9
Clinical Chemistry	315	D11	Italian	108	D2	Royal Liverpool University Hospital	RLU/H	E11
Clinical Engineering	315	D11	<b>J</b>		B9	Roxy Building	107	E2
Clinical Infection, Microbiology & Immunology	803	F9	Jan Herdman Building	201	B9	<b>S</b>		
Clinical Psychology	302	C8	Johnston Building	304	D8	Safety Adviser	444	C4
Clinical Science	RLU/H	E11	Jones Building	303	C8	Security	444	C4
Clinical Skills Resource Centre	355	C9	<b>L</b>		D2, E2	Shelley's Cottage	255	B8
Combined Honours	148	E4	Latin American Studies	111, 107	D1	Sherrington Building	311	D9
Committee Secretariat	765	D7	Law and Social Justice, School of Legal, Risk & Compliance	106, 232	D2, C8	Sir Alastair Pilkington Building	152	D2
Communication & Media	148	E4	Legal, Risk & Compliance	765	D7	Sociology, Social Policy & Criminology	106, 432	D2
Community Studies	360	D10	Leagatee Building	423	F3	South Campus Teaching Hub	120	E2
Computer Science	231, 422	D8, D7	Leverhulme Building	149	E4	Sports & Fitness Centre	51	D4
Computing Services	224	F7	Library, Harold Cohen	431	D8	Sports & Fitness Centre - The Hall of Fame	501	D5
Confucius Institute	114	C4	Library, Sydney Jones	423	F3	Stanley Theatre	511	D6
Continuing Education & Professional Development	114	C4	Life Sciences, School of	215	F8	Stephenson Institute for Renewable Energy	207	E5
Counselling Service	436	C4	Lifelong Learning, Centre for	114	C4	Structural & Chemical Biology	215, 216	F8, G8
Crown Place (Blocks 1, 2 & 3)	526, 527, 528	F7, G7	Liverpool International College	106	D2	Student Administration & Support	765	D7
Cultures, Languages & Area Studies	108	E2	Liverpool Law School, The	106	D2	Student Administration Centre	765	D7
Cypress Building	108	E2	Liverpool Medical Institution	106	D2	Student Support Services	502	D6
<b>D</b>			Liverpool Science Park Innovation Centre 1	776	C5	Student Health Service	502	D5
Dental Hospital	322	C10	Liverpool Science Park Innovation Centre 2	776	C5	Student Services Centre	502	D6
Dental School	322	C10	Liverpool Student Homes	115	D3	Students' Union	503	D4
Derby Building	252	B8	Liverpool University Press	115	D3	Surface Science Research Centre	210	F4
Donnan & Robert Robinson	213	G5	<b>M</b>		E9	Surgery & Oncology	RLU/H	E11
Dover Court Residences	806	B9	Magnetic Resonance and Image Analysis Research Centre (MARIARC)	310	F3	Sydney Jones Library	423	F3
Duncan Building	315	D11	Mail Room	433	F3	<b>T</b>		
<b>E</b>			Management School (JLMS)	427	F2	Teaching Quality Support Division	765	D7
Earth, Ocean and Ecological Sciences	201, 203	B9	Marketing and Communications	765	D7	Thompson Yates Building	301	C8
Education and Marine Biology	203	B9	Marie Curie Palliative Care	765	D7	Trade Union Office	332	C9
Educational Development	716	C7	Institute Liverpool	329	B9	Training & Development	254	C8
Educational Opportunities	421	D7	Marine Biology and Ecology	203	B9	Tudor Close Halls of Residence	675	C4
Eleanor Rathbone Building	106	D2	Mathematical Sciences Building	206	E6	<b>O</b>		
Electrical Engineering & Electronics	235, 236	E7	MBA Suite	423	F3	University & College Union	439	C4
Energy Centre	415	D9	Mechanical Engineering Building	234	B7	University Clinical Departments (UCD)	316	E11
Energy Centre 2	357	D9	Medical Education	360	D10	<b>V</b>		
Engineering, School of	238, 233, 231, 237, 234	C7, C8, D8	Medical Microbiology & Genito-Urinary Medicine	301	D11	Veterinary Science, School Office	301	C6
English	148	E4	Medicine, School Office	301	D11	Veterinary Infection Biology	B8	
English Language Unit	108, 406, 141	E2, D3	Melville Grove Halls of Residence	679	G3	Veterinary Practice	220	H6
Environmental Sciences, School of	107, 109, 201, 203	E2, D3, B9	Mental & Behavioural Health Sciences	233	C8	Veterinary Teaching Suite	401	B8
Epidemiology & Population Health	803	F9	Molecular & Clinical Cancer Medicine	312	D8	Vine Court (East & West Blocks)	804, 805	F1, F2
Evolution, Ecology & Behaviour	215, 216	F8, G8	Molecular & Clinical Pharmacology	312	D8	Vice-Chancellor's Office	765	D7
Examinations Office	765	D7	Mount Pleasant, 126	114	C4	Victoria Building	421	D7
Experimental Psychology	352	C9	Mount Pleasant, 128	776	C5	Victoria Gallery & Museum	421	D7
Eye & Vision Science	316	E11	Mounford Hall	501	D6	<b>W</b>		
<b>F</b>			Mulberry Court Halls of Residence	670	C5	Walker Building	237	C7
Facilities Management	505	D4	Music	104	D3	Waterhouse Buildings A, B, C	351, 352, 353	D9, C9
Facilities Management Workshops	236	E7	Musculo-Skeletal Biology I & II	316	F3	Waterhouse Buildings D, E	354, 355	C9
Facilities Support Office	765	D7	Muslin Prayer Room	423	F3	Waterhouse Buildings F, J	356, 359	D9, C10
Faculty of Health & Life Sciences Teaching Suite	352	C9	Muspratt Building	232	C8	Welcome Trust Tropical Centre	305	C9
Faith Express	765	D7	<b>N</b>			Whelan Building	352	C8
			NanoInvestigation Centre at Liverpool (NiCa)	353	C9	Walton Centre for Personalised Medicine	351	D9
						Women's & Children's Health	312	D8

# Index

## A

Accommodation **38-41**

Accounting *see* *Management School* **188-197**

Actuarial Mathematics  
*see* *Mathematical Sciences* **198-205**

Admissions policy **296-297**

Aerospace Engineering *see* *Engineering* **126-135**

Alumni **28-29**

Anatomy and Human Biology *see* *Life Sciences* **178-187**

Ancient Greek *see* *Archaeology, Classics and Egyptology* **58-67**

Ancient History *see* *Archaeology, Classics and Egyptology* **58-67**

Applications **296-297**

Application Deadline **296**

Applied Sciences *see* *Life Sciences* **178-187**

Archaeology, Classics and Egyptology **58-67**

Architectural Engineering *see* *Engineering* **126-135**

Architecture **68-73**

Art and museums **53**

Artificial Intelligence *see* *Computer Science* **86-95**

Astronomy *see* *Physics* **252-259**

Astrophysics *see* *Physics* **252-259**

Augmented Reality
 

- Alumni **28-29**
- City **52-53**
- Visiting us **56-57**

Avionics *see* *Electrical Engineering and Electronics* **116-125**

## B

Bars **53-55**

Basque *see* *Modern Languages and Cultures* **214-229**

Biochemistry *see* *Life Sciences* **178-187**

Biological Sciences *see* *Life Sciences* **178-187**

Biological and Medical Sciences *see* *Life Sciences* **178-187**

Biotechnology *see* *Life Sciences* **178-187**

Bioveterinary Science *see* *Life Sciences* **178-187**

Bursaries *see* *Student Finance* **298**

Business Economics *see* *Management School* **188-197**

Business Management *see* *Management School* **188-197**

## C

Campus Map **302-303**

Campus Residences **38-41**

Campus Tours **56-57**

Careers **26-27**

Carnatic Student Village **38-41**

Catalan *see* *Modern Languages and Cultures* **214-229**

Catered **38-41**

Chemistry **74-79**

Childcare Facilities **45**

Chinese Studies *see* *Modern Languages and Cultures* **214-229**

City Map **301**

City of Liverpool **48-53**

Civic Design *see* *Planning* **260-265**

Civil Engineering *see* *Engineering* **126-135**

Classics *see* *Archaeology, Classics and Egyptology* **58-67**

Classical Languages *see* *Archaeology, Classics and Egyptology* **58-67**

Classical Studies *see* *Archaeology, Classics and Egyptology* **58-67**

Clubs **53-55**

Communication and Media **80-85**

Computer Information Systems *see* *Computer Science* **86-95**

Computer Science **86-95**

Computing *see* *Computer Science* **86-95**

Computing Services **42-43**

Continuing Education **43**

Counselling Service **46**

Criminology *see* *Sociology, Social Policy and Criminology* **278-283**

Crown Place **38-41**

## D

- Dentistry **96-101**
- Design Studies *see Architecture* **68-73**
- Diagnostic Radiography *see Health Sciences* **152-159**
- Disabled Students
  - Admissions **296-297**
  - Support **46**
  - Diversity and Equality **47**

## E

- Earth Sciences **102-109**
- Eating out **55**
- Ecology *see Ecology and Marine Biology* **110-115**
- Ecology and Marine Biology **110-115**
- Economics *see Management School* **188-197**
- Education Liaison Service **57**
- Egyptology *see Archaeology, Classics and Egyptology* **58-67**
- Electrical Engineering and Electronics **116-125**
- Electronic Commerce Computing *see Computer Science* **86-95**
- Elite Athlete Support **32**
- Employability **26-27**
- Engineering **126-135**
- English **136-141**
- English Language *see English* **136-141**
- English Language Centre **17-18**
- English Language Support **17-18**
- English Literature *see English* **136-141**
- Entrance Requirements **296-297**
- Environment and Planning *see Planning* **260-265**
- Environmental Science **142-145**
- Erasmus+ **20-21**
- Events **56-57**
- Evolutionary Anthropology *see Archaeology, Classics and Egyptology* **58-67**

## F

- Fees
  - Accommodation **38-41**
  - Tuition **298**
- Festivals **54**
- Film Studies *see Modern Languages and Cultures* **214-229**
- Financial Computing *see Computer Science* **86-95**
- Financial Support Team **44-45**

- Finance **298**
- Foundation to Health and Veterinary Studies
  - Dentistry **96-101**
  - Diagnostic Radiography **152-159**
  - Medicine **206-213**
  - Nursing **152-159**
  - Occupational Therapy **152-159**
  - Orthoptics **152-159**
  - Physiotherapy **152-159**
  - Radiotherapy **152-159**
  - Veterinary Science **284-289**
- French *see Modern Languages and Cultures* **214-229**

## G

- Galleries and museums **53**
- Genetics *see Life Sciences* **178-187**
- Geography **146-151**
- Geology *see Earth Sciences* **102-109**
- Geophysics *see Earth Sciences* **102-109**
- German *see Modern Languages and Cultures* **214-229**
- Global Connections **12-13**
- Go Higher **297**
- Graduates **28-29**
- Graduate recruitment **26-27**
- Guild of Students **34-37**
- Greenbank Student Village **38-41**

## H

- Halls **38-41**
- Health Centre **45**
- Health Sciences **152-159**
- Heritage Studies *see Archaeology, Classics and Egyptology* **58-67**
- Hispanic Studies *see Modern Languages and Cultures* **214-229**
- History **160-165**
- Honours Select **290-295**
- How to apply
  - Accommodation **38-41**
  - Applications and Admissions **296-297**
- Human Physiology *see Life Sciences* **178-187**

## I

- iLearn **43**
- Independent Visits **56**
- Industrial Design *see Engineering* **126-135**
- Internet Computing *see Computer Science* **86-95**
- International Business *see Management School* **188-197**
- International Community **14-19**
- International Politics and Policy *see Politics* **266-271**
- International Recruitment, Relations and Study Abroad Team **14-19**
- International Support Team **14-19**
- Irish Studies **166-171**
- Italian *see Modern Languages and Cultures* **214-229**

## J

- Joint Honours (50:50) **292-293**

## L

- Languages *see Modern Languages and Cultures* **214-229**
- Latin *see Archaeology, Classics and Egyptology* **58-67**
- Law **172-177**
- Learning Resources **42-43**
- Libraries **42**
- Life in the city **48-55**
- Life Sciences **178-187**
- Liverpool in London **13**
- Liverpool International College **18-19**
- Liverpool Online **13**
- London campus **13**

## M

- Major/Minor Honours (75:25) **294-295**
- Management School **188-197**
- Map (Campus) **302-303**
- Map (City) **301**
- Marine Biology *see Ecology and Marine Biology* **110-115**
- Marketing *see Management School* **188-197**
- Mathematical Sciences **198-205**
- Mathematics *see Mathematical Sciences* **198-205**

Mature Students

See Support **46**

See Applications and Admissions **296-297**

Mechanical Engineering *see Engineering* **126-135**

Mechatronics *see Electrical Engineering and Electronics* **116-125**

Media *see Communication and Media* **80-85**

Medicinal Chemistry *see Chemistry* **74-79**

Medicine **206-213**

Melville Grove **38-41**

Mental Health Advisory Service **46**

Microbiology *see Life Sciences* **178-187**

Modern European Languages *see Modern Languages and Cultures* **214-229**

Modern Languages and Cultures **214-229**

Molecular Biology *see Life Sciences* **178-187**

Music

*see Music* **230-237**

*see Music on campus* **30**

*see Life in the city* **48-55**

*see Liverpool Guild of Students* **34-37**

My Liverpool **27**

## N

NCUK **19**

New Technology *see Physics* **252-259**

Nightlife **53**

Nuclear Science *see Physics* **252-259**

Nursing *see Health Sciences* **152-159**

## O

Occupational Therapy *see Health Sciences* **152-159**

Oceanography *see Ocean Sciences* **238-245**

Ocean Sciences **238-245**

Online Learning **43**

Open Days **56-57**

Orthoptics *see Health Sciences* **152-159**

## P

Part-time work **26-27**

Pharmacology *see Life Sciences* **178-187**

Philharmonic Court **38-41**

Philosophy **246-251**

Physics **252-259**

Physiology *see Life Sciences* **178-187**

Physiotherapy *see Health Sciences* **152-159**

Planning **260-265**

Politics **266-271**

Popular Music *see Music* **230-237**

Portuguese *see Modern Languages and Cultures* **214-229**

Psychology **272-277**

## R

Radiation Protection *see Physics* **252-259**

Radiography *see Health Sciences* **152-159**

Radiotherapy *see Health Sciences* **152-159**

Religion **45**

Research **08-09**

Research Excellence Framework **08-09**

Restaurants **55**

Robotic Systems *see Electrical Engineering and Electronics* **116-125**

## S

Selection Procedures **296-297**

Self-catering **38-41**

Shopping **55**

Singapore Institute of Technology **13**

Social Policy *see Sociology, Social Policy and Criminology* **278-283**

Sociology, Social Policy and Criminology **278-283**

Societies **37**

Software Development *see Computer Science* **86-95**

Spanish *see Modern Languages and Cultures* **214-229**

Sport Liverpool **31-33**

Student Services Centre **44**

Student Villages **38-41**

Study abroad **20-21**

*(see individual programme sections)*

Support **44-47**

Care Leavers

Childcare

Counselling

Disabled Students

Financial Support Team

Health

International Students

Mature students

Religion

Surgery *see Medicine* **206-213**

## T

Terms and Conditions **299**

Theatre **54**

Theoretical Physics *see Mathematical Sciences* **198-205**

Town and Regional Planning *see Planning* **260-265**

Tropical Disease Biology *see Life Sciences* **178-187**

Tuition Fees **298**

## U

UCAS **296-297**

UK Recruitment Team **57**

Urban Regeneration *see Planning* **260-265**

## V

Vacation Work **26-27**

Veterinary Science **284-289**

Vice-Chancellor **02**

Vine Court **38-41**

Virtual Interactive Teaching at Liverpool (VITAL) **43**

Virtual Open Day **56-57**

Virtual Tour **56-57**

Visas **19**

Visiting the University **56-57**

Voluntary Work

Careers **26-27**

Liverpool Guild of Students **37**

## W

Work Experience **26-27**

*(see individual programme sections)*

## X

Xi'an Jiaotong-Liverpool University (XJTLU) **12 and 22-23**

## Y

Year in China **22-23**

## Z

Zoology *see Life Sciences* **178-187**



HUGHES BUILDING



## Prospectus Contributors

Produced by Marketing and Communications,  
University of Liverpool.


*Photography:* Mark McNulty, McCoy Wynne,  
The Roundhouse. Various images on pages 50-55  
used under Creative Commons from; Andy Miah,  
Ian Carroll, Beverley Goodwin, Roberto Taddeo,  
Alison Benbow, Calfieroo1's, Rebecca Boardman,  
Pete and Sue Adair. Cover photo provided by  
Shahid Khan.

*Design:* The Roundhouse, Newcastle upon Tyne

*Printing:* A McLay & Co Ltd, Cardiff

*Published:* March 2016

Copyright © 2016 University of Liverpool  
All rights reserved.



**Undergraduate  
Prospectus 2017**

University of Liverpool  
L69 7ZX

Switchboard

T: +44 (0)151 794 2000

Enquiries and Applications

T: +44 (0)151 794 5927

[www.liverpool.ac.uk](http://www.liverpool.ac.uk)

