

# UNDERGRADUATE PROSPECTUS 2017



UNIVERSITY  
*of York*





# MY EXPERIENCE AS A STUDENT AT YORK



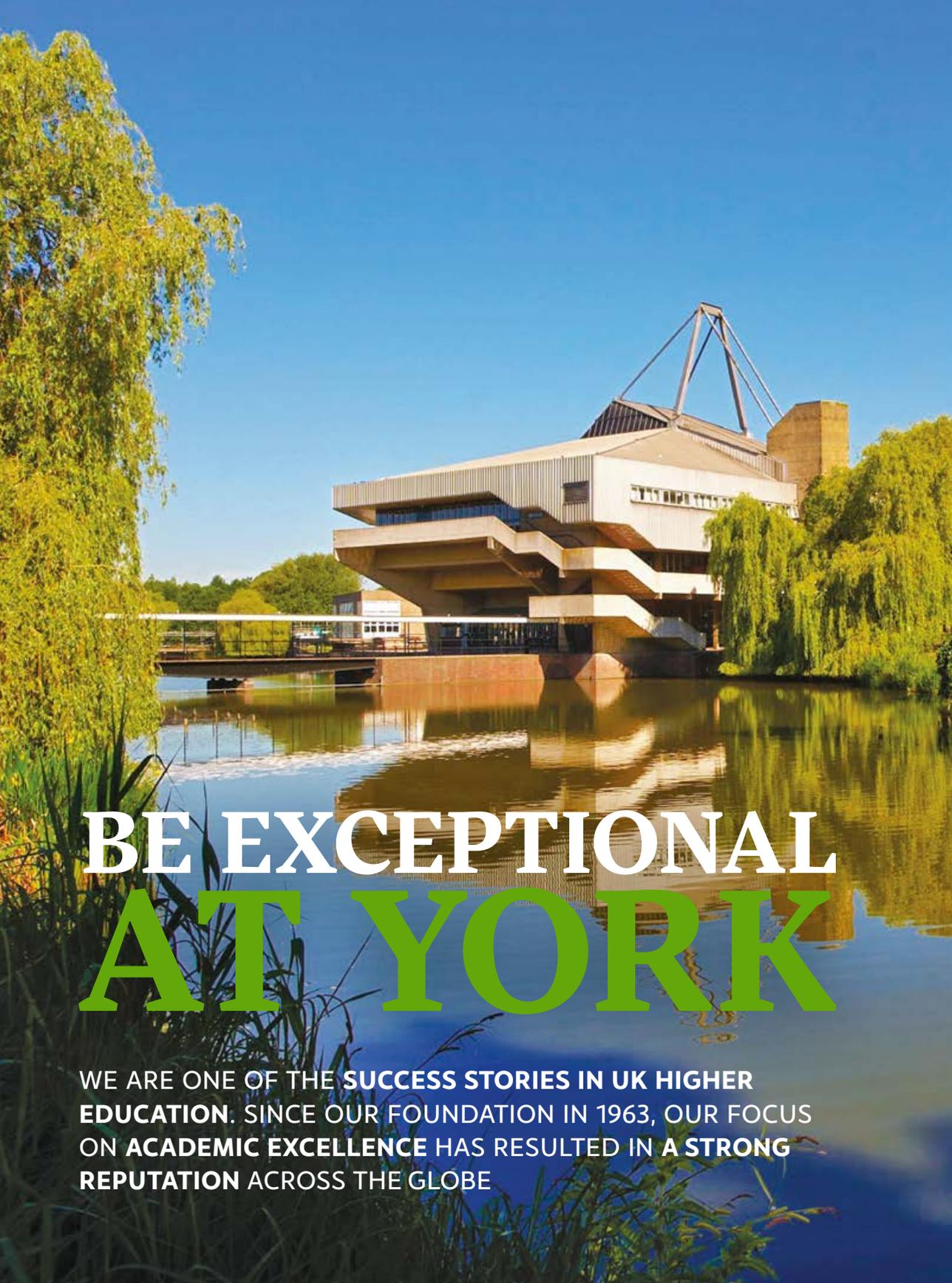
*At York I was constantly challenged to think independently, try out new activities and make the most of my time.*

*“York is a research-intensive Russell Group university and it’s a very inclusive place, so wherever you’re from, you’ll get the chance to follow your passion and learn from some incredibly talented people.*

*“As soon as you arrive, you’ll become part of the friendly University community, surrounded by a green and open campus, with the historic and beautiful city of York as a backdrop.”*

Ben Leatham

Students' Union President 2015/16



# BE EXCEPTIONAL AT YORK

WE ARE ONE OF THE **SUCCESS STORIES IN UK HIGHER EDUCATION**. SINCE OUR FOUNDATION IN 1963, OUR FOCUS ON **ACADEMIC EXCELLENCE** HAS RESULTED IN A **STRONG REPUTATION** ACROSS THE GLOBE



Join us and you'll work with world-leading academics who will challenge you to think independently and excel in all that you do.

You'll learn from the diverse skills and perspectives that exist in our community and benefit from opportunities which will ensure that when you leave us you'll be equipped to prosper in a global workplace.

Come and see for yourself.

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York's city walls are the longest medieval town walls in the UK.  
Read more about life in our beautiful city on page 36

## SUBJECTS TO STUDY AT YORK

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# SEE FOR YOURSELF

THE BEST WAY TO FIND OUT ABOUT LIFE AT YORK IS TO **COME AND MEET OUR STAFF AND STUDENTS AT AN OPEN DAY AND SEE THE CAMPUS FOR YOURSELF**

## COME AND MEET US

### ■ Open Days

Enjoy a packed programme of talks and tours, guided by our helpful Student Ambassadors. Get a flavour of the intellectual challenges you'll engage with at departmental mini-lectures and talks. Visit our study facilities and student accommodation, and find out about life outside the lecture theatre, from sports, clubs and societies to studying abroad. Parents and other guests are also welcome.

### ■ Student-guided tours

Take a one-hour tour with one of our Student Ambassadors. It will include colleges, library, cafés, bars, shops, sports facilities, Information Centre and the Students' Union. You can follow up with a tour of the York Sport Village and our new campus developments.

### ■ Year 12 subject taster days

Explore a subject in depth with mini-lectures and workshops, tour our campus and talk to staff and students.

### ■ Around the UK

Look for us at higher education fairs up and down the country, at your school or college.

### ■ In your country

Arrange to meet our overseas representatives or staff when they are travelling overseas.

### ■ Visit Days for offer holders

Join us for a talk, an opportunity to meet staff and students, Q&A and a tour of the campus, plus a special programme for parents and guests.

### FIND OUT MORE

[york.ac.uk/penday](http://york.ac.uk/penday)

[#UniOfYork #YorkOpenDay](https://twitter.com/UniOfYork)

[f /UoYApplicants2017](https://www.facebook.com/UniOfYork)



**“** *It was absolutely fantastic!  
I'll be a very enthusiastic student  
joining you next year! Thank you so  
much to everyone on the Open Day for  
confirming my love for the University.”*

Prospective student, Open Day September 2015



## OPEN DAYS 2016

FRIDAY  
**24 June**

SATURDAY  
**25 June**

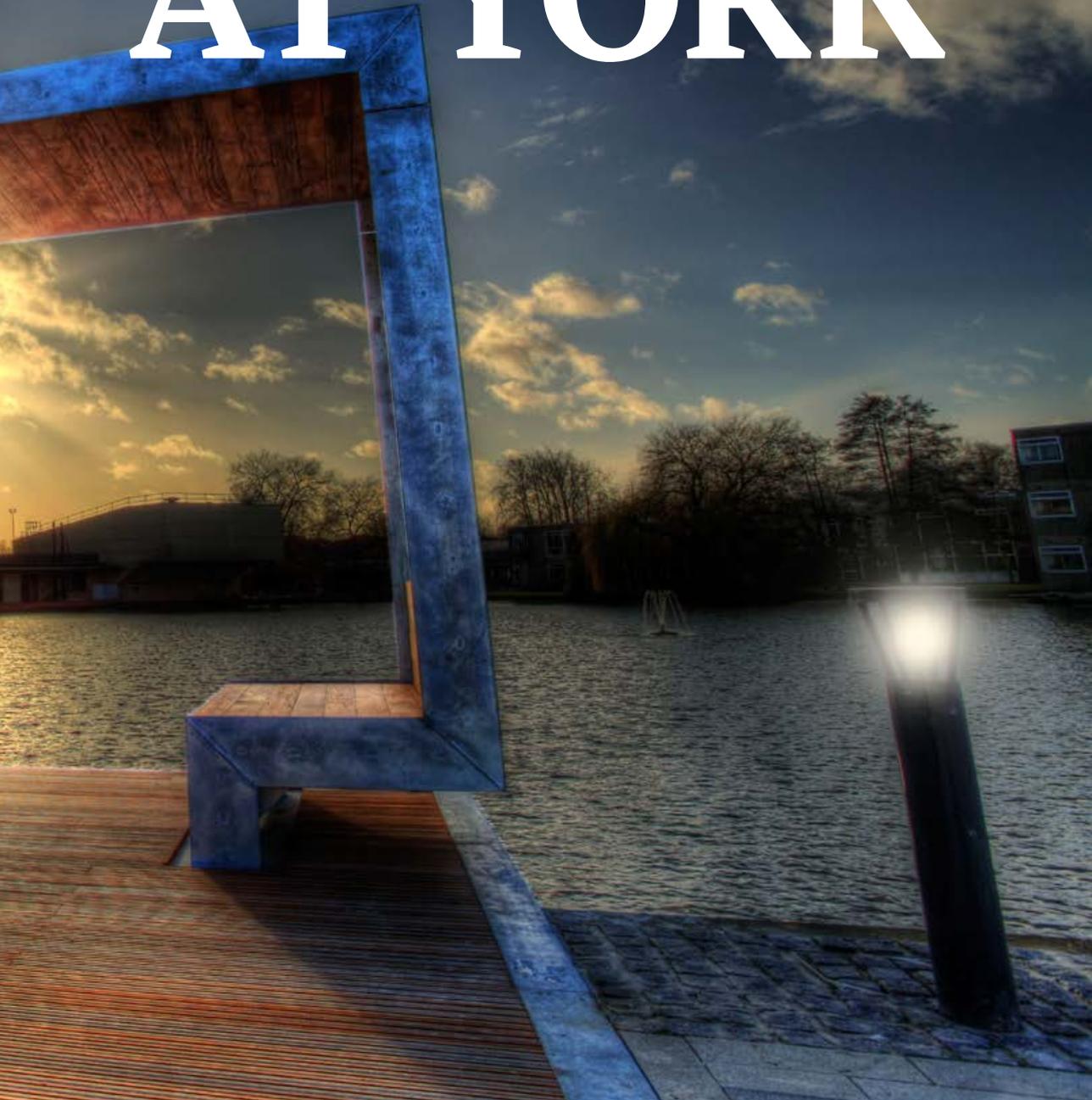
SATURDAY  
**17 September**

SUNDAY  
**18 September**



On the edge of the campus lake, Greg's Place, our outdoor community space, provides a focal point for student-led activities such as art installations, open air performances and pop-up events

# DISCOVER AT YORK





# THINK DIFFERENTLY

Nicky Milner

James Chong

YORK IS A RUSSELL GROUP UNIVERSITY AND ONE OF THE WORLD'S PREMIER INSTITUTIONS FOR INSPIRATIONAL AND LIFE-CHANGING RESEARCH. THIS FEEDS DIRECTLY INTO THE TEACHING YOU'LL RECEIVE





Merran Toerien

**YORK**  
**IS RANKED**  
**10<sup>TH</sup>**  
**OUT OF**  
**155**  
**HIGHER EDUCATION**  
**INSTITUTIONS FOR**  
**RESEARCH**  
**IMPACT**

### HOW THE GOVERNMENT ASSESSES OUR QUALITY

In the Government's most recent assessment of research across UK universities, York was placed 10th in the UK for the impact of its research. Results have a direct bearing on the funding we receive from the Higher Education Funding Council for England, which means you'll have access to excellent facilities, from science laboratories to libraries and online resources.

## RESEARCH-LED TEACHING

At York you'll study and learn with academics who are active researchers, experts in their field and have a passion for their subjects.

### Independent thinking

**Professor Nicky Milner**, who teaches in the Department of Archaeology, is a director of the world-leading Star Carr project in the North of England where recent excavations have uncovered evidence of a thriving Mesolithic settlement dating from around 9000 BC. Our undergraduates have written dissertations on data generated from the excavations, which has given them the experience of working in a research team and generating their own original research.

### Techniques in the field

**Dr James Chong** is a senior lecturer in the Department of Biology and his research focuses on exploiting the microbial communities found in unusual environments for biotechnological applications. So he's often found encouraging his students to use a range of techniques to explore Antarctic seawater, cow manure, wastewater sludge and the university lake.

### Analysing issues

**Dr Andy Marshall**, a Senior Lecturer in the Environment Department, combines teaching and research with his role as Director of Conservation Science at Flamingo Land Resort zoo. Through his research, students have had the opportunity to explore issues as diverse as tropical forest ecology, biodiversity conservation planning, science communication, and the impact of zoos on animal conservation and welfare.

### Original research

How humans interact with each other in conversation is the focus of research by senior lecturer **Dr Merran Toerien** of the Department of Sociology. She uses recordings made in settings as varied as jobcentres, neurology clinics and beauty salons to illustrate the modules she teaches on conversation analysis.

Andy Marshall





OUR GOAL IS FOR OUR STUDENTS TO GRADUATE AS **INDEPENDENT LIFELONG LEARNERS**. YOU'LL BE CHALLENGED AND STRETCHED IN A SUPPORTIVE ENVIRONMENT AND DEVELOP THE SKILLS TO BE AT THE FOREFRONT OF YOUR CHOSEN CAREER

# CHALLENGE YOURSELF

 *At the University of York, you are not just taught by the people that wrote the book, but encouraged to think with an independent mind."*

Joshua (BA Education)

## TEACHING AND LEARNING

Our teaching and learning programmes will support you every step of the way.

### Flexible course options

You can focus on topics that particularly interest you, or fit your career plans, with York's wide range of degrees. Many of our programmes offer you scope to pursue areas of interest within your programme by choosing from option modules or, in some cases, more widely.

### Tailored teaching styles

We tailor our teaching to the demands of individual subjects. You may attend small group tutorials, as well as larger group seminars and lectures for many of our degree courses. Many modules feature online resources and out-of-classroom, self-directed learning methods supported by our Yorkshare virtual learning environment or VLE (see page 15).

### Multiple assessment

Departments adopt a range of assessment methods which may include examinations, coursework, open papers, extended essay papers, project work and, in some cases, assessment of oral contributions in tutorials.

### Study abroad

Our partners across the globe are leading universities which provide you with the opportunity to learn and study overseas through our Centre for Global Programmes' student exchange links (see page 26).

### FIND OUT MORE

[york.ac.uk/study/undergraduate](http://york.ac.uk/study/undergraduate)



**“ My seminars were small discussion-based sessions and offered the opportunity for students to clarify ideas and delve deeper into topics and for interaction between students and academics.”**

Laurie (BA Politics, Economics and Philosophy)





# SPACE TO THINK

YOU'LL HAVE ACCESS TO OUR LIBRARY AND  
DEDICATED STUDY SPACES ACROSS THE CAMPUS

The Ron Cooke Hub

## FACILITIES FOR STUDY

### Library and Archives

Our extensive Library is open 24/7. It has internationally important archives and original documents which will enhance your study. Search the Library catalogue and use our e-resources guide and digital library to look up e-book and e-journal titles, music and multimedia resources.

### Study spaces

There are over 1,200 study spaces across the Library with flexible options for single and group study, formal and informal. You can book space for yourself or a group across the campus, including 'pop-up pods' during exam season. We offer 24-hour access to our outstanding new facilities at the Ron Cooke Hub, from study desks and pods to the Island of Interaction, a collaborative group study area.

### Help and support

Your Academic Liaison Librarian is your contact at the Library and is able to offer subject-specific help and support. You can also access online tailored subject guides with information relevant to your subject.

### FIND OUT MORE

[york.ac.uk/library](http://york.ac.uk/library)

[@UoYLibrary](https://twitter.com/UoYLibrary)



Informal study spaces in the Library

**THE UNIVERSITY LIBRARY GIVES YOU ACCESS TO 1.7 MILLION BOOKS, AUDIO-VISUAL ITEMS, AND OTHER PRINTED MATERIAL; 600,000 E-BOOKS AND OVER 15,000 PRINT AND ELECTRONIC JOURNALS**

### Connect on campus

- You'll have access to email, filestore, Google Apps for Education, printing and more
- There's free wifi on campus and in the city, including in libraries, cafés, departments and your study bedroom
- You can connect your laptop, PC, phone, tablet and games console to our network
- You can access resources including filestore, printing and wifi off-campus using our Virtual Private Network
- There are nearly 1,000 open-access networked computers provided for your use on campus.

### Yorkshare – online learning

- Access programme materials and communicate with other students and staff in this online community
- Look up reading lists and electronic holdings in all the University's libraries
- Develop your study skills and produce original work with self-directed study activities
- Communicate, collaborate or carry out assessments on some courses
- Share lecturers' notes, quizzes, surveys, presentations and audio and visual media.

The University Library



# EFFECTIVE STUDY

YORK'S EXCELLENT LEARNING RESOURCES AND SKILLS DEVELOPMENT WILL HELP YOU TO STUDY EFFECTIVELY AND PRODUCE SOUND RESEARCH AT THE SAME TIME AS STRENGTHENING YOUR EMPLOYABILITY





## STUDY AND SKILLS SUPPORT

Your academic supervisor and college support team offer you guidance and advice to support your academic and personal progress during your time at York to help you achieve your best. You can also access free support to develop your study skills, including online resources, resource rooms and one-to-one support opportunities.

### Communication skills

Improve your academic and essay writing at our Writing Centre. Our team of tutors is available to talk to you about planning and structuring assignments, developing your arguments, integrating sources and expressing yourself clearly, complementing your department's support.

Both home and overseas students can develop academic skills through the Centre for English Language Teaching (CELT) along with global networking, study speaking and study writing.

CELT also offers a Transcultural Communication course which focuses on how culture influences the way

people think and communicate. It helps raise awareness of cultural differences so you can work effectively in an increasingly globalised workplace.

### Academic integrity

Learn how to follow good academic practice in your reading, note-making, essay-writing and referencing of sources, and how to avoid plagiarism, with our online Academic Skills tutorials and mandatory Academic Integrity tutorial.

### Maths Skills Centre

Get help and guidance with understanding your maths and stats components to complement your course support at the Maths Skills Centre. Drop in or book a clinic with a tutor.

### Languages for All

Learn a new language or develop existing language skills alongside your studies to enhance your academic programme, improve your career

prospects, prepare for an international placement or just for fun through Languages for All.

### IT skills

Improve your IT skills and learn a range of software packages to support your studies through the student IT Essentials programme.

### FIND OUT MORE

#### Study skills

[york.ac.uk/study-skills](http://york.ac.uk/study-skills)

#### Writing Centre

[york.ac.uk/writing-centre](http://york.ac.uk/writing-centre)

#### Centre for English Language Teaching

[york.ac.uk/celt](http://york.ac.uk/celt)

#### Academic integrity

[york.ac.uk/integrity](http://york.ac.uk/integrity)

#### Maths Skills Centre

[york.ac.uk/maths-skills-centre](http://york.ac.uk/maths-skills-centre)

#### Languages for All

[york.ac.uk/lfa](http://york.ac.uk/lfa)

#### IT skills

[york.ac.uk/it-skills](http://york.ac.uk/it-skills)

You can meet top employers  
at the recruitment fairs  
frequently held on campus





# MAKE NEW CONNECTIONS

GET A HEAD START TO A **BRIGHTER FUTURE** WITH OUR **GLOBAL EMPLOYER AND RECRUITER NETWORKS**, **GRADUATE MENTORING**, AND **AWARD-WINNING PERSONAL DEVELOPMENT**, TRAINING AND PLACEMENT SCHEMES



# STAND OUT FROM THE CROWD



**Extra activities can help expand your CV, knowledge, skills, experiences and personal development. They are what employers look for when recruiting."**

**Alex (BA Sociology with Criminology)**



Take part in one of our skills workshops, hosted regularly by our Careers service and attended by leading employers

## ENGAGE WITH TOP EMPLOYERS

We work with these leading recruiters:

- BBC
- Civil Service Fast Stream
- Deloitte
- EY
- *The Guardian*
- HSBC
- IBM
- KPMG
- L'Oréal
- Morgan Stanley
- Nestlé
- NHS
- PwC
- Teach First.

## ENHANCING YOUR CAREER

We offer a wealth of opportunities, resources and advice to help support your career ambitions.

### Work while you study

Develop skills that are valued by employers by taking a summer internship, or a year in industry, or by gaining part-time and casual work while you study. We offer paid project-based internships with local employers, exclusively for University of York students, through our Student Internship Bureau.

### Boosting your professional skills

Broaden your leadership and organisational skills through our award-winning York Students in Schools scheme. This is a major University volunteering project that gives you the opportunity to work as a student tutor alongside teachers in local schools.

### Start an enterprise

Connect with mentors and business advisors and tap into the culture of enterprise and innovation at York in the dedicated Student Enterprise Space. The centre offers free hot-desking facilities and support, to help you put your ideas into action.

### Plan your career

Research career opportunities with our extensive range of online resources and help from our careers staff. You can also use the Careers Timeline to track your choices and access support during your student journey.

### Link with our networks

Learn about successful York graduates' career journeys through talks, online case studies and mentoring schemes. We have a global network of over 100,000 York alumni, many of whom visit campus, share their stories and are there to offer you support.

### Increase your employability

Generate career ideas, access work experience and develop the skills portfolio you need with the unique Employability Tutorial tailored to you.

### Go global

You can apply to spend time abroad through our Centre for Global Programmes and develop your language skills with our Languages for All programme (see pages 28 and 17).

## FIND OUT MORE

[york.ac.uk/study/careers-skills](http://york.ac.uk/study/careers-skills)

f /Yorkcareers

🐦 @UoYCareers

**“** I volunteered for the charity **Minds in Motion**. They hold social and recreational events for people living with dementia. My role included organising all the logistics like booking venues, inviting guests and recruiting volunteers to run the session. Through my volunteering, I've realised that working for a charity is what I want to do in the future.”

Heather (BA English Literature and Philosophy)



**“** Volunteering for **Night Safe**, a city centre night-time safety scheme, was really exciting and gave me the opportunity to get hands-on – giving basic first aid, conflict resolution and offering vulnerable people the emotional and physical support they needed to feel safe on their night out. **Night Safe** showed me how much I can enjoy taking ownership of a project and this is what I hope to achieve in my career.”

Bhavin (BSc Physics with Astrophysics)



**FIND OUT MORE**

[york.ac.uk/study/york-award](http://york.ac.uk/study/york-award)

# PREPARE FOR YOUR FUTURE

EXPAND YOUR KEY SKILLS  
AND EXPERIENCE THROUGH  
OUR INNOVATIVE PERSONAL  
DEVELOPMENT PROGRAMME

## YORK AWARD

This programme, run by our Careers service, gives you official recognition for all the skills you learn when you're at university beyond those you develop through your studies.

We have three levels of York Award:

- York Award (stage one – aimed at first year students)
- York Award Gold (aimed at second year students) and
- York Award Leaders (aimed at final year students).

The first two encourage you to get involved with work experience and volunteering, and give you the chance to think about your key strengths and skills and how you might use them in the future.

The final award, York Award Leaders, is a more intensive programme of training and events with contributions from leading graduate employers and high profile York alumni.



Volunteering with charities and community organisations counts towards your York Award and helps you gain valuable work experience

### WHAT THE YORK AWARD MEANS TO EMPLOYERS

Employers put a lot of value on these awards because they demonstrate you are a well-rounded individual who has taken advantage of all the opportunities that university offers.

**“ I was impressed by the hard work and commitment shown by students undertaking the York Award. It went well beyond their coursework. This hard work will certainly help when they graduate.”**

Robin Stafford, IBM

**“ The York Award gives students the opportunity to demonstrate their energy and commitment while acquiring a broad range of skills and experiences. If you add to this the rich rewards offered by the core University of York experience, then you have a package that is very attractive to potential employers.”**

Kurt Calder, Shepherd Group

# ANYTHING IS POSSIBLE

OUR ALUMNI HAVE GONE ON TO DO **AMAZING AND DIVERSE** THINGS. DISCOVER HOW YORK HELPED THESE STUDENTS SUCCEED

**“** I secured a job with McLaren before graduation. As part of the interview process I was asked to supply a portfolio of embedded systems work. It was drawn from projects completed during my degree and demonstrated the knowledge and skills I gained on the course.”

Phil Greenland  
Software Engineer,  
McLaren Applied Technologies  
(MEng Computer Science with  
Embedded Systems Engineering, 2013)

**FIND OUT MORE**

[york.ac.uk/study/careers-skills](http://york.ac.uk/study/careers-skills)



**“ The experience I gained through joining York’s Entrepreneurs Society and the Travel Society gave me the skills and confidence to run my own company. University funding also helped me develop my business idea.”**

Charlie Thuillier  
Founder and Managing Director of Oppo Ice Cream  
(BA Applied Social Science – Crime and Criminal Justice, 2011)



**“ Studying at York was great fun and gave me knowledge, skills, friends and a network for life. I think representing the University on the debating team may have helped me get started in my career too!”**

Chloe Smith  
Member of Parliament  
for Norwich North  
(BA English, 2004)



**“ Staff from York’s Careers service helped me get my business idea off the ground. They encouraged me to formulate a business plan and apply for funding and support from the University – I went to entrepreneur bootcamp and learned a lot.”**

Bethan Vincent  
Director of Vincent’s Coffee  
and Bright Ethics  
(BA History, 2013)



**“ York helped me develop my critical thinking and analytical skills in a creative environment with state-of-the-art facilities. My training also helped me become an independent researcher and prepared me for my current role.”**

Dr Wei He  
Lecturer in the Department of  
Biology, Northwest University,  
Xian, China  
(PhD Biology, 2012)



# EXPAND YOUR HORIZONS

YORK HAS LINKS WITH **TOP ACADEMIC INSTITUTIONS** AND **EMPLOYERS ALL OVER THE WORLD**. WHEREVER YOU GO, YOU'LL HAVE A **CHALLENGING AND REWARDING** EXPERIENCE, SEE A **DIFFERENT CULTURE** AND GAIN A NEW SET OF SKILLS TO **IMPRESS POTENTIAL EMPLOYERS**



## WHY GO ABROAD?

- Stand out from the crowd – fewer than 5% of UK students have studied abroad
- Increase your employability and skills
- Prepare for a career in the global market
- Develop new language skills
- Boost your self-confidence, independence and ambition
- Experience a different academic, social and cultural environment.

A nighttime photograph of a city skyline, likely New York City, with numerous skyscrapers illuminated and their lights reflecting on the water in the foreground. A small boat is visible on the water.

**“** *On my return to York it dawned on me how uniquely rewarding my study abroad experience was. I have become much more self-sufficient, confident about travelling on my own and taking responsibility for my future.”*

**Megan (BA History)**



## OPPORTUNITIES ABROAD

### Built-in year abroad

We have a number of courses with a built-in year abroad. You can apply to study at a partner university or work at an organisation related to your degree.

### Exchange programmes

You can apply to study for up to one year in Europe with Erasmus+ or through our worldwide exchange programme. You will take your course at the partner university which will replace your second year of studies at York. Some exchanges are open to undergraduates in all departments and others are department-specific.

James and Derwent College members can also apply to study at Morningside College, Chinese University of Hong Kong.

### International Study Centres

You have the option to immerse yourself in a two- to three-week intensive academic and cultural experience at an international partner university, travelling with a group of York students. These themed programmes have previously been held in the USA, Brazil, South Africa and China.

### Spend the summer abroad

We can help you explore a wide range of life-changing experiences through volunteering programmes, language and cultural immersion courses and career-related summer schools overseas.

### FUNDING

#### WHAT TUITION FEES DO I PAY DURING AN EXCHANGE YEAR?

If you are studying for a full year abroad, you will pay no tuition fees to the host university and a significantly reduced tuition fee to York.

#### ERASMUS+

You can apply for funding to support European study or work placements offered by your department.

#### US OPPORTUNITIES

Connections Awards are available to students studying for a full year abroad with North American exchange partners.

#### TRAVEL GRANTS

Apply for funding awards for independent travel experiences during your studies at York, such as a volunteering project or learning a language.



**“** Just go for it, even if you don't know the language or know much about the country, because it's a great experience and you'll see something different. **”**

James (BSc Mathematics)  
2014 International Study Centre,  
Beijing, China



**INTERNATIONAL  
EXPERIENCE  
AND SKILLS ARE  
INCREASINGLY  
IMPORTANT  
IN A GLOBALLY  
COMPETITIVE  
LABOUR MARKET**



#### **FIND OUT MORE**

**Centre for Global Programmes**

+44 (0)1904 322846

[global-programmes@york.ac.uk](mailto:global-programmes@york.ac.uk)

[york.ac.uk/ug-study-abroad](http://york.ac.uk/ug-study-abroad)

📍 @GlobalYorkUK #GlobalYork

**Languages for All**

[york.ac.uk/lfa](http://york.ac.uk/lfa)



# OUR INTERNATIONAL COMMUNITY

WE WELCOME STUDENTS FROM **MORE THAN 160 COUNTRIES**  
ACROSS THE GLOBE, GIVING YOU A TRULY **COSMOPOLITAN**  
EDUCATIONAL EXPERIENCE



**YORK IS RANKED  
AS ONE OF THE  
TOP 100  
MOST INTERNATIONAL  
UNIVERSITIES  
IN THE WORLD**  
TIMES HIGHER EDUCATION (THE) 2016

# INTERNATIONAL STUDENTS

## Campus community

Our inclusive, cosmopolitan culture and safe campus environment reflect our commitment to educating global citizens. You can study, live and socialise with complete peace of mind on our campus in one of the safest cities in the UK. Meet new friends through your friendly, supportive college and get involved in a wide variety of sporting, social and volunteering activities both on campus and in the wider community.

## Explore the UK

York is one of the UK's best connected cities with international airports nearby. Excellent train networks make it easy to reach Manchester, London and Edinburgh in around two hours. Colleges and student societies arrange plenty of opportunities to travel.

## Study options

### Undergraduate degrees

Join York as an undergraduate student on our three-, four- or five-year degree programmes and choose from over 250 undergraduate courses in arts, humanities, sciences and social sciences. Many of our undergraduates go on to take postgraduate taught or research degrees at York.

### Pathway courses

We have specially designed courses to prepare international students for entry to the university. If you complete a Foundation Certificate to the required level at our on-campus International Pathway College, you have a guaranteed place on your chosen degree at York.

You can choose to study either on campus in York or at our partner institution, Kaplan International College, in London. We have pathways

in Business, Law and Social Sciences and in Science and Engineering.

## Visiting students

If you're at another university overseas you can apply to study at York for up to one year alongside other undergraduate students. You may be able to select courses across departments and transfer the credit back to your home institution.

## CONNECT WITH YORK

### MEET US IN YOUR COUNTRY

[york.ac.uk/international/staff-visits](http://york.ac.uk/international/staff-visits)

### SPEAK TO ONE OF OUR OVERSEAS REPRESENTATIVES

[york.ac.uk/international/your-country](http://york.ac.uk/international/your-country)

### CONTACT A STUDENT AMBASSADOR

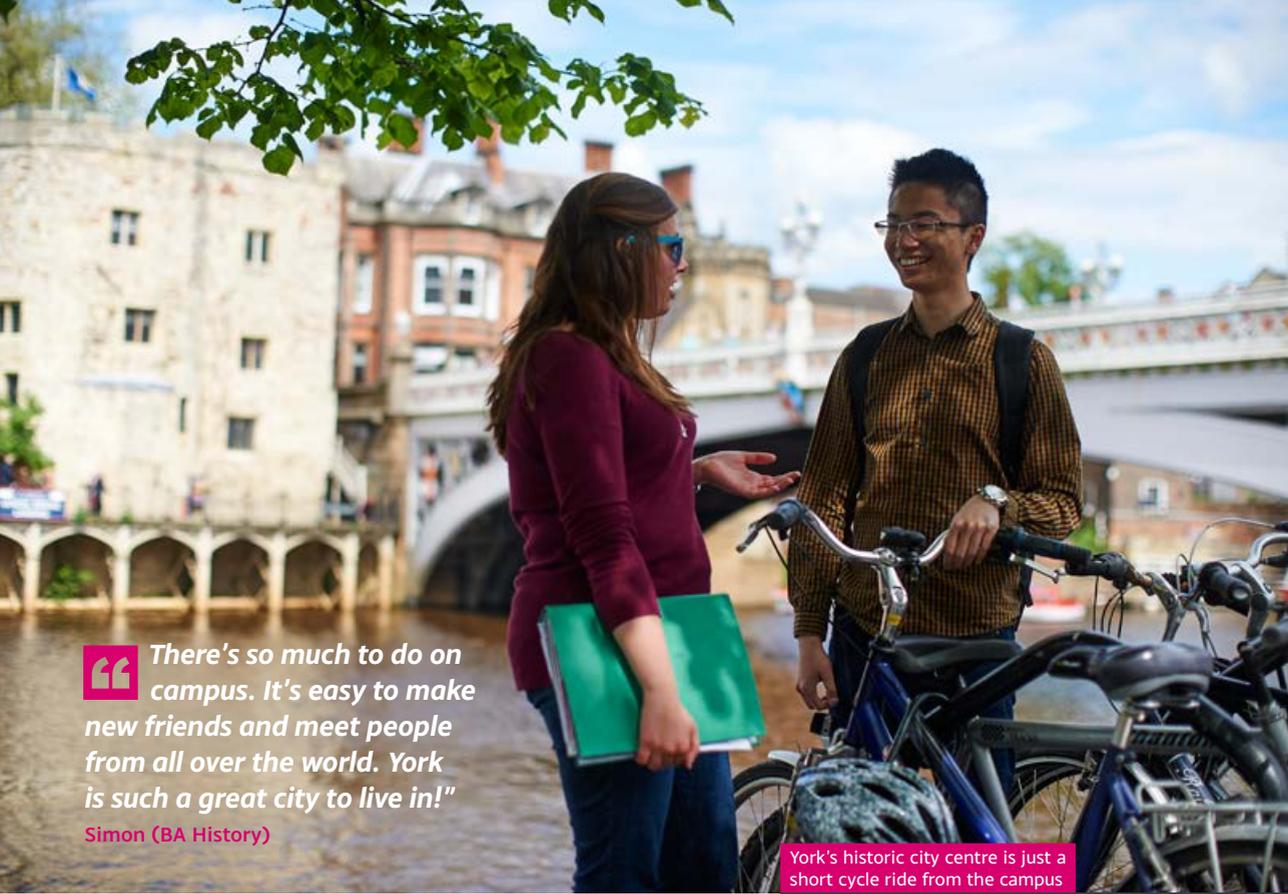
[york.ac.uk/international/contact](http://york.ac.uk/international/contact)

### CHAT WITH US ONLINE

[york.ac.uk/international/webchat](http://york.ac.uk/international/webchat)

You'll make friends quickly through our supportive college system





**“** *There's so much to do on campus. It's easy to make new friends and meet people from all over the world. York is such a great city to live in!* ”

**Simon (BA History)**

York's historic city centre is just a short cycle ride from the campus

### Extra help

When you are a long way from home we can offer you the extra support you need.

- Collection by coach from Manchester airport or York railway station
- Our Welcome Week programme to help you to settle in and make friends
- An Immigration Advice Service provided by our Student Support Hub
- Accredited English language courses provided by our Centre for English Language Teaching (CELT)
- Dedicated facilities for you to practise your faith
- Lifelong Careers service
- International networking through York Alumni Association.

**23%** OF OUR STUDENTS ARE FROM OUTSIDE THE UK SO YOU CAN MAKE FRIENDS FROM ALL OVER THE WORLD

### FIND OUT MORE

#### International Recruitment Team

+44 (0)1904 323534

[international@york.ac.uk](mailto:international@york.ac.uk)

[york.ac.uk/international](http://york.ac.uk/international)

📍 @York1963

#### Centre for English Language Teaching

[york.ac.uk/celt](http://york.ac.uk/celt)

#### How we support you

[york.ac.uk/international/support](http://york.ac.uk/international/support)

#### Our pathway courses

[york.ac.uk/international/degree-preparation](http://york.ac.uk/international/degree-preparation)

#### How to be a visiting student

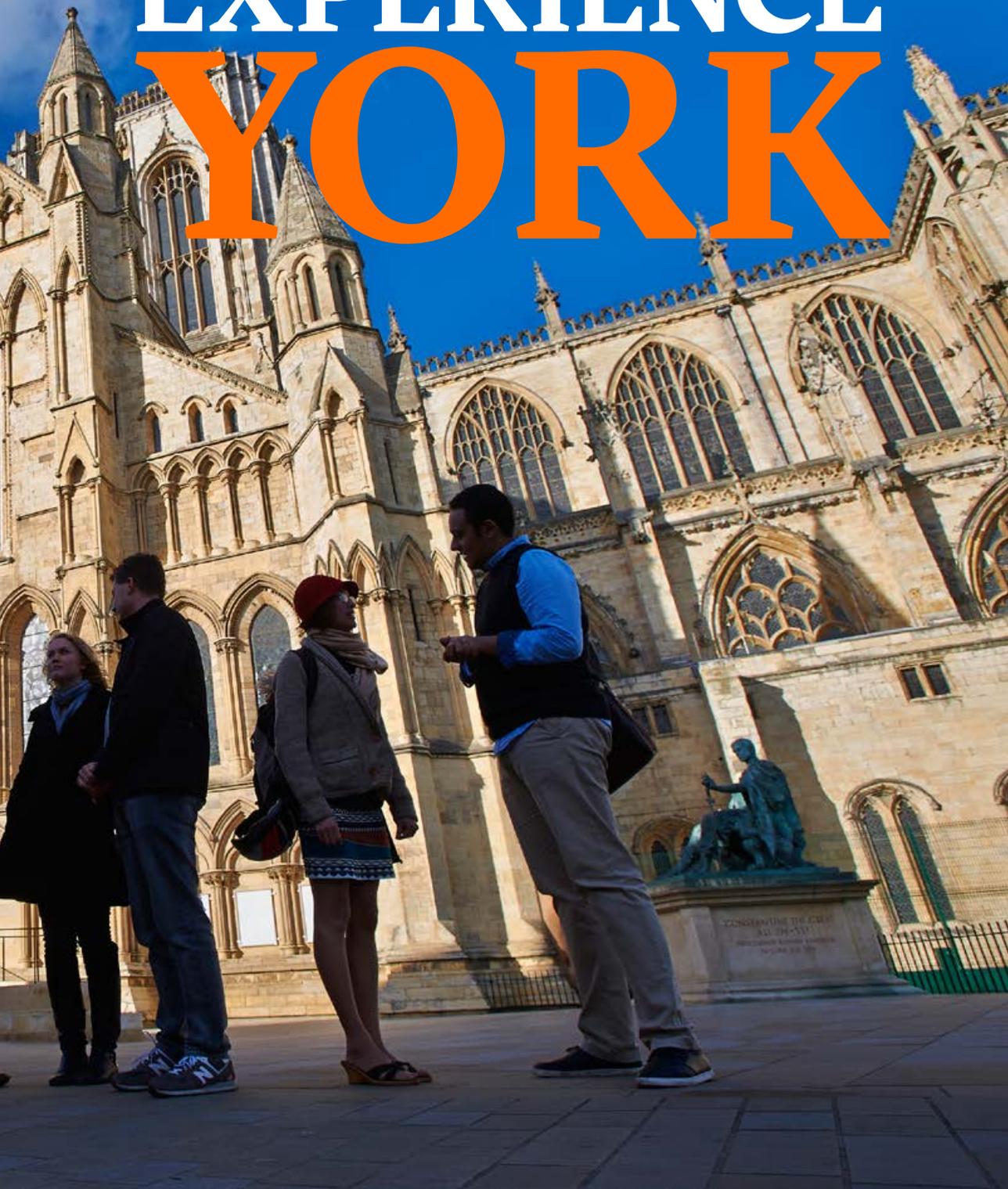
[york.ac.uk/visitingstudents](http://york.ac.uk/visitingstudents)



At the heart of our medieval city  
is York Minster, one of Europe's  
largest Gothic cathedrals



# EXPERIENCE YORK



# CITY LIFE

**LIVELY, CULTURAL AND BEAUTIFUL, YORK  
IS REGULARLY VOTED ONE OF THE BEST  
PLACES TO LIVE AND VISIT IN THE UK**



The Shambles



Lendal Bridge



York city walls

## CITY, COAST AND COUNTRYSIDE

York is a vibrant, student-friendly city and a great mix of heritage and the contemporary. It's a historic city by day and a buzzing hotspot at night. York has a population of 200,000, so it's big enough to feel cosmopolitan, but small enough to be friendly, and easy to cycle and walk around.

### Student nights

If you are a party animal you can choose from an impressive range of city centre clubs offering R&B, hip-hop, dance, 80s, indie, rock, Latin, soul and more. Many have student nights throughout the week. The free Students' Union night bus takes you safely to and from campus. You can

party further afield with fast late night trains to Leeds and Manchester.

### Year-round festivals

York is a major tourist destination and there are activities and festivals all year, from the Viking and River Festivals and Aesthetica film festival to the continental Christmas market and York Festival of Ideas.

### Out and about

York is also a great base from which to explore the stunning scenery of Yorkshire. Rail and other transport networks connect you with the major cities of the UK and friends at other universities.



Scarborough Lighthouse



North York Moors

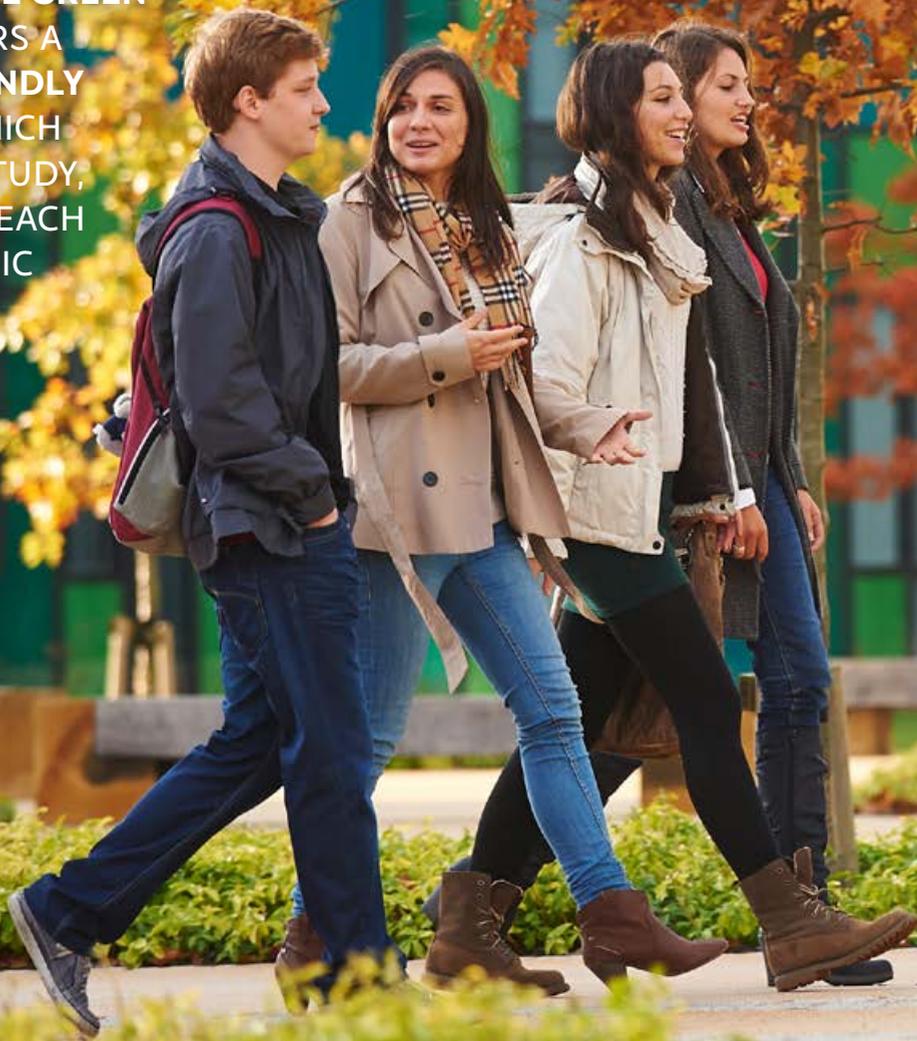


**York is a wonderful place for students. It combines the best of a city with the intimacy of a town, with amazing shopping and a really good selection of bars and clubs. I couldn't have asked for a better or more beautiful place to live and study and wouldn't want to be anywhere else."**

**Katie (BA English)**

# LIFE ON CAMPUS

OUR BEAUTIFUL GREEN  
CAMPUS OFFERS A  
STUDENT-FRIENDLY  
SETTING IN WHICH  
TO LIVE AND STUDY,  
WITHIN EASY REACH  
OF THE HISTORIC  
CITY CENTRE





The York Schools of Law and Management

The Environment Building

## IDEAL CAMPUS ENVIRONMENT

The University is set in 500 acres of landscaped campus in the city of York, just outside the historic centre. The campus is divided into two areas, East and West, and has a safe and friendly atmosphere.

### On-site facilities

There are bars, shops, first-class sports facilities and a swimming pool and health centre, theatres and concert halls, all within easy walking distance with an excellent network of cycle paths. In recent years we have invested in new colleges, teaching and learning spaces, laboratories, research facilities and the new York Sport Village.

### Close to the centre

It's easy to get to our city centre site, the beautiful medieval King's Manor. You can walk, cycle or hop on the fast, frequent bus service from the campus.



The King's Manor



The Library Bridge



# TRY SOMETHING NEW

WHEN YOU ARRIVE AT YORK, YOU'LL AUTOMATICALLY BECOME A MEMBER OF THE UNIVERSITY OF YORK STUDENTS' UNION – YUSU

## YOUR STUDENTS' UNION

YUSU is a charity run by students for students and its team of five sabbatical officers will help you to develop new skills, get advice and support and have fun while you're here.

Trying new activities is a great way to make friends and develop your interests outside your studies. The Students' Union has over 180 different societies, from the serious to the light-hearted. Whether it's juggling or jazz, poetry or poker, there's bound to be something you'll enjoy.

There's also the chance to debate, discuss ideas and exchange careers information with like-minded peers in academic and professional societies such as the Philosophy Society, the York Law Society, the United Nations Association and TEDxUoY, based on the inspiring TED Talks.

### Make a difference

Through YUSU there are many opportunities to get involved, however much time you have to spare. For example, you could become a course rep and have an impact on how your course or department is run, organise a music festival, create a community garden or help children with disabilities enjoy sport.

If you fancy going further afield, you can take part in challenges like Kilimanjaro or the Inca trail. YUSU raises thousands of pounds for charity each year through RAG, which has a programme of activities every term. By getting involved you can make a real difference to people's lives and expand your skills and experience.

YUSU also runs great value campus bars, cafés and a shop as well as student nights in city centre clubs with a free clubbers' bus back to the campus.

### FIND OUT MORE

[yusu.org](http://yusu.org)

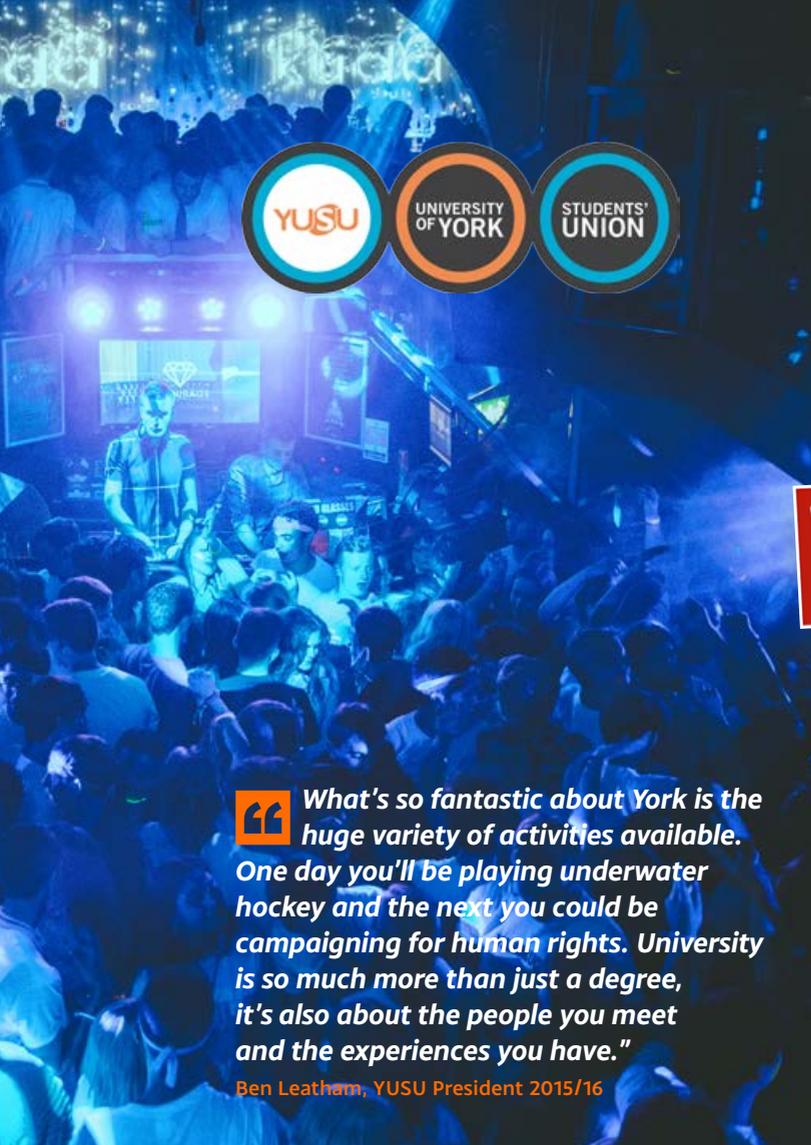
[f /yorkunisu](https://www.facebook.com/yorkunisu)

[@yorkunisu](https://twitter.com/yorkunisu)



Join the party at one of the Student Union-run events in city centre clubs





**“** What's so fantastic about York is the huge variety of activities available. One day you'll be playing underwater hockey and the next you could be campaigning for human rights. University is so much more than just a degree, it's also about the people you meet and the experiences you have.”

Ben Leatham, YUSU President 2015/16



York's active campus music scene includes countless formal and informal concerts and performances



You can write for our award-winning newspapers, *Nouse* and *Vision*

**“** I would recommend that everyone develops an interest in a society in parallel to their degree. It makes it more likely that you will go on to achieve your dream job.”

Elisa Bray  
Music Editor, *The Independent*  
(BA English, 2002)



The award-winning University Radio York is run by students for students and broadcast across the campus and worldwide via its website



There are opportunities for writers, producers, directors, costume/make-up design, choreography and tech with the Panto Society, one of the ways you can get involved in student drama

# STRIVE & THRIVE

TRAIN AND KEEP FIT IN OUR STATE-OF-THE-ART SPORTS FACILITIES AND JOIN ONE OF THE MOST ACTIVE STUDENT SPORTS PROGRAMMES IN THE UK



*The York Sport Union is an amazing body to be involved in and sport at York is thriving. We are at our highest-ever level in the BUCS league, our College Sport programme is one of the best in the country and our facilities are constantly expanding."*

Grace Clarke, York Sport Union President 2015/16





Train and race on our outdoor cycle circuit and velodrome

## SPORT AT YORK

The student-run York Sport Union has over 60 clubs, some of which compete regularly in BUCS against other universities. There are opportunities for sports scholarships and focus sports through the York Sport Union Performance Programme, while Santander supports elite athletes through the Santander Universities partnership.

There is also a fantastic College Sport programme with over 16 different sports to choose from. College Sport is about taking part rather than competing and is for people of any ability from complete beginner to top sportsperson. You can play for fun with other members of your college, compete against other colleges for the Inter-College

Sports Cup, or be a part of the only inter-university college competition against Durham.

We have a huge range of first-class sport, health and fitness facilities at the campus-based York Sport Village and York Sport Centre, including a competition-standard swimming pool. There is also access to the championship golf club at Fulford and a University boathouse on the River Ouse.

### FIND OUT MORE

[yusu.org/sport](http://yusu.org/sport)  
[york-sport.com](http://york-sport.com)

## YORK SPORT VILLAGE

- Eight-lane 25m swimming pool
- Floodlit 3G football pitches
- 120-station fitness suite with integrated TVs
- Three air-conditioned fitness studios
- Sauna and steam room
- 1km cycle circuit
- 250m velodrome.

## YORK SPORT CENTRE

- 70 station fitness suite
- Sport halls – for badminton, basketball and volleyball
- Indoor tennis and squash courts
- Floodlit hockey and football pitches
- County standard 400m athletics track
- Floodlit netball courts
- 22 acres of grass playing fields.



Water polo at York Sport Village



From skydiving, triathlon and sailing to American football, rowing, badminton and dance – there's something for everyone

## KEY SPORTING EVENTS

- Roses, the largest inter-university competition against Lancaster University, and the biggest event in our sporting calendar with a full weekend of fixtures across 50 sports
- College Varsity, the only inter-university college sport tournament in the UK, between York and Durham University
- The York Sport Union Colour Ball, the pinnacle social event of the sporting year celebrating the achievements of our University sports clubs.



The Roses Tournament against Lancaster University is the biggest event in our sporting calendar





Langwith College at Campus East is one of eight undergraduate colleges. Our college system creates a strong community spirit which helps you to make friends and settle in quickly



**LIVE**  
**AT YORK**



ALCUIN  
COLLEGE



LANGWITH  
COLLEGE



GOODRICKE  
COLLEGE



CONSTANTINE  
COLLEGE

# HOME FROM HOME

YOU'LL BE PART OF YOUR COLLEGE  
COMMUNITY FROM DAY ONE –  
ENRICH YOUR UNIVERSITY EXPERIENCE  
AND MAKE FRIENDS FOR LIFE

## LIVING IN A COLLEGE

### What is a college?

These small, distinct communities based on the University campus will become your home from home. You'll remain a member throughout your time at York and even after you graduate. More than just a place to live, your college will provide you with a network of support as well as a full calendar of events and activities to help you settle in, meet people and develop skills and interests. You'll meet students and staff of all ages, nationalities and disciplines and be part of life on campus.

### Activities and events

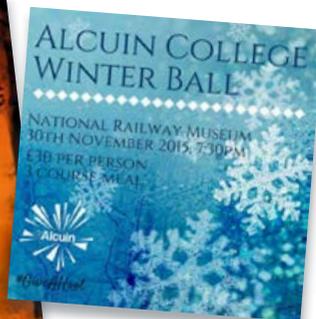
Most college events are organised for students, by students – from big summer parties to club meet-ups, live music events to guest lectures, and Christmas fairs to bake-off competitions.

### College sports and clubs

Every week colleges compete in over 20 college sporting leagues including football, rugby, netball, tennis, wheelchair basketball, dodgeball and swimming. There is regular training and coaching for all team members who range from beginners to seasoned pros, so whatever your sporting ability you can take part.

### Leadership and volunteering

One of the best ways to get involved in your college is to run for a position on the college committee. You could deliver campaigns, design and sell college clothing, or co-ordinate the sports teams and arrange socials. Colleges also compete for the Dame Judi Dench College Cup, awarded for the most volunteering impact, so you'll have a chance to organise volunteering and charity fundraising for projects you're passionate about.



Your college committee puts on events throughout the year



VANBRUGH  
COLLEGE



HALIFAX  
COLLEGE



JAMES  
COLLEGE



DERWENT  
COLLEGE

# YORK IS JUST ONE OF A HANDFUL OF UK UNIVERSITIES WITH A COLLEGE SYSTEM



College members (STYCs) welcome new starters to the campus

## Support and guidance

Colleges have a team of staff whose job it is to welcome and support you while you're here. There are also resident tutors who live on campus, so there's always a friendly face available if you need one.

## Settling in

Your first few weeks at university are far less daunting with the help of our Second and Third Year Contacts (STYCs). They'll be on hand to welcome you on arrivals day and lead a host of freshers' events to help you to settle in quickly.

## Catering, social and study facilities

Our colleges have a range of bars, cafés, dining halls, common rooms, study areas and outdoor spaces, as well as study bedrooms. All our colleges are a short walk from departments and teaching buildings.



College mascots ready for the annual RAG parade through York

**“** York has a fantastic college system.

**It provides a great deal of support as well as organising events throughout the year.”**

Katherine (BA Applied Social Science)

## FIND OUT MORE

[york.ac.uk/colleges](http://york.ac.uk/colleges)

[yusu.org/colleges](http://yusu.org/colleges)



# YOUR OWN SPACE

CHOOSE FROM A RANGE OF ROOMS  
ON OR VERY NEAR THE CAMPUS,  
RIGHT AT THE HEART OF THE ACTION

## ACCOMMODATION

Our undergraduate accommodation is located across eight colleges, each with a welcoming supportive community.

Choose from a range of room types and options to suit you and your budget, from traditional rooms in our older blocks to premium en-suite rooms with spacious shared kitchens.

### What are my room options?

#### Location

College rooms are divided between Campus East and Campus West, with just a short 20-minute walk or free shuttle bus ride between. All are located within easy reach of the library, shops and sports facilities.



## OUR GUARANTEE

We guarantee you a home on or near campus in your first year if you are a new, single, full-time undergraduate and apply by the deadline date published on our website. We will also guarantee overseas students accommodation in subsequent years.

### HOW DO I APPLY?

Use our online application system after you have accepted York as your firm or insurance choice. Our application process, prices and deadline dates will be advertised on our accommodation website pages in autumn 2016.

### CAN I STAY ON?

You can apply to live on campus each year, or to return for your final year.

### VISITING STUDENTS

If you are a visiting student, here for a year or less, you can check application criteria and options online.

### PRIVATE SECTOR

There is also a wide selection of private sector accommodation within walking distance of campus.

## WHAT'S INCLUDED?

- Study-bedroom, shared kitchen and shared bathroom or en-suite
- Wifi in every bedroom
- Electricity, heating, water, and contents insurance
- 24-hour campus security presence
- Communal areas cleaned regularly
- Close to campus facilities such as bars, cafés, dining halls, launderettes, secure bike sheds, common rooms and study areas.

### Economy, standard or premium

Prices reflect the age, condition and size of the accommodation, as well as numbers sharing kitchen and bathroom facilities.

### Catered or self-catered

All our accommodation has self-catering facilities. Derwent, James and Vanbrugh Colleges offer catering in term time.

### En-suite or shared bathroom

Our rooms have either shared or en-suite bathrooms.

### Layout

Our accommodation varies in layout: corridor-style with rooms located along long open floors, house-style with rooms on different floors, or

flat-style with rooms grouped together on one floor, according to location.

### Let lengths

We offer let lengths of between 40 weeks (full academic year) and 51 weeks (includes summer vacation).

### Additional requirements

We can make adjustments for additional health or disability requirements and we have couple or family accommodation options – look on our accommodation webpages or contact us.

### Costs

Single self-catered rooms cost from £106 to £150 per week, with catered rooms available from £144 to £173 per week (prices are for 2016/17 and may change).

## FIND OUT MORE

+44 (0)1904 322165

[accommodation@york.ac.uk](mailto:accommodation@york.ac.uk)

[york.ac.uk/accommodation](http://york.ac.uk/accommodation)

[@UoYAccomm](https://twitter.com/UoYAccomm)



# SUPPORTING YOUR WELLBEING

MOST OF OUR STUDENTS HAVE A HAPPY TROUBLE-FREE TIME AT YORK, BUT SOMETIMES YOU MIGHT NEED SOME SPECIFIC ADVICE AND OUR NETWORK OF SUPPORT SERVICES IS ON HAND TO HELP

## OUR SUPPORT SERVICES

Your college and your supervisor are at the heart of your support network here at York. They will help and advise you or call on other appropriate support services in the University.

### College team

Your college provides a focus for social and community life and also helps with day-to-day matters. Your college tutor and team are there to help you settle in and assist with any issues relating to college life, accommodation and activities. Your elected student representative also provides community leadership.

### Academic supervisor

A member of your teaching department will act as your supervisor throughout your course, advising on your academic progress and helping with any personal development and wellbeing matters. You will meet regularly throughout the academic year so they will be familiar with your academic work and personal interests.

### Students' Union

When you need help or support relating to your course or personal matters, fellow students and professional staff in the Students' Union (YUSU) Academic and Welfare Service team can provide friendly advice services.

### Student Support team

You can talk to a range of specialist advisers and practitioners about your health and wellbeing, and about practical matters such as private sector housing in York and consumer issues, money matters and childcare.

### Someone to talk to

Our Open Door team of mental health professionals within Student Support Services is available for confidential self-help guidance, psychological counselling or advice on improving your wellbeing. If you are concerned about yourself or someone else, our team is here to help. You can also talk to your college team.

Nightline is run by students for students and provides a confidential listening and information service from 8pm to 8am.

### Chaplaincy

The three full-time Christian chaplains at the University are available to people of all faiths and none.

There is also a network of contacts from other world faiths and dedicated spaces for prayer and reflection on campus.

### Returning to education

For those not entering university straight from school or college, download our *Guide for Mature Students* and ask advice on the student-run Mature Students' Association Facebook page – details are given in the Find Out More box on page 55.



*As an international student I feel really well supported. My department allocated me not only a personal supervisor but also an international supervisor who I meet regularly to talk about how academic and non-academic life are going."*

Chloe (BSc Psychology)



### International students

International students can access dedicated support services including travel advice, our Immigration Advice Service, and orientation and skills development services (see page 32).

### Students with children

Our Family Network helps students with children and their spouses to meet, socialise, share information and advice, and have fun. Join other University families for events and trips and come along to our weekly under 5s session.

The Ofsted-registered York Campus Nursery provides places for 30 children per session aged two to five years and nine children in the baby unit.

### Care leavers

Seek application advice from the Student Support Hub before you start your course. We offer the support of a named contact to help with application, transition and entry. A Care Leaver and Foyer Bursary is available to help with accommodation and financial needs and you can contact the Student Financial Support Unit for further information.

### Carers

York Carers Centre offers help with your application and funding, emotional and study skills support during your study and drop-in sessions on campus.

### Unity Health Centre

The campus-based health centre offers GP appointments, a repeat prescription service and walk-in clinics. You can register online or in person.

### Students with a disability or learning difference

At Disability Services we are committed to providing the best possible support for disabled learners. Our experienced team can offer advice and guidance for students with dyslexia and specific learning differences, Asperger's syndrome, visual and hearing impairment, mental health difficulties and physical/medical impairments.

Talk to us for advice on study options and learning formats, library support, examination arrangements and academic liaison, accommodation advice, and signposting you to further services. We also offer workshops on topics such as writing skills and exam strategies.



***The Department is a very close-knit community, and someone is always available to listen and help out – whether it's the Head of Department, your personal supervisor, or a member of support staff."***

Alice (BA Sociology, 3rd year)



## **FIND OUT MORE**

**Student Support Hub  
Market Square**

+44 (0)1904 324140

[student-support@york.ac.uk](mailto:student-support@york.ac.uk)

[york.ac.uk/students/support](http://york.ac.uk/students/support)

**International student support**

[york.ac.uk/international/support](http://york.ac.uk/international/support)

**Campus nursery**

[york.ac.uk/nursery](http://york.ac.uk/nursery)

**Support for care leavers**

[york.ac.uk/care-leavers](http://york.ac.uk/care-leavers)

**York Carers Centre**

[york.ac.uk/carers](http://york.ac.uk/carers)

**Disability Services**

[york.ac.uk/students/disability/](http://york.ac.uk/students/disability/)

**Mature students**

[york.ac.uk/mature-support](http://york.ac.uk/mature-support)

[f /Insayork](https://www.facebook.com/Insayork)



# NEXT STEPS

# APPLYING TO YORK

## YOUR APPLICATION STEP-BY-STEP

- 1 Choose a course**

Explore what's on offer from over 200 undergraduate degrees across arts and humanities, sciences and social sciences (see pages 66–196).
- 2 Check the typical entry requirements**

Check the qualifications you need for entry to your chosen course. It's best to look on the UCAS course search as requirements may have changed since this prospectus was published. If your first language is not English, you can check the English language requirements on our web pages: see page 59.
- 3 Come to an Open Day**

Come along to an Open Day or other visit opportunity to find out what studying and living in York is really like.
- 4 Check application deadlines**

Do your research and prepare early. For applications for Medicine at the Hull York Medical School the deadline is 15 October of the year before your intended year of entry. For all other courses the deadline is 15 January, but we will consider applications received after this date if we still have places available.
- 5 Complete your application**

You will need to complete an online application via UCAS either through your school or college or independently. Pay special attention to your Personal Statement and check our guidance in the website. If you are based overseas you might want to use the services of one of the University's agents in your country. See the websites on page 59.
- 6 Next steps**

After you have applied you will receive an acknowledgement of your application. Then you will hear about the next steps from UCAS, our Admissions Team or your department. You may be invited for interview, or we may make you an offer, or we may let you know that your application has been unsuccessful. If you receive an offer, it will be either Conditional on your exam results or other information, or Unconditional, which means we don't need any further information from you.
- 7 Come to a Visit Day**

If you are made an offer you will be invited to a Post-offer Visit Day (unless you came to the campus for an interview). This is a great opportunity to meet staff and students and will help you make your final university choices. Even if you came for an Open Day or other earlier visit, you are welcome to come back, meet us again and have another look at the campus. You can book for a Post-offer Visit Day (and also keep track of your application) through the applicant portal You@York.
- 8 Your reply**

When you have heard from all your university choices, you will make your Firm and Insurance choices. Follow the UCAS guidance on how to make these choices and the advice from your school or college. The deadline for doing this varies depending on when you receive your offers: make sure you know when the deadline is for your replies. UCAS deadlines are published at the website given in the Find Out More box on page 59.
- 9 Apply for accommodation**

After you have chosen York as your Firm or Insurance choice, you can let us know your accommodation preferences through our online accommodation system. We'll let you know the date in May when the system opens.
- 10 Pack your bags!**

Come to York for the start of the academic year. Check out page 208 for our term dates.



## Entry requirements

To make sure you are suitably prepared for your chosen course, we consider your academic qualifications, personal statement, academic reference and any additional relevant experience.

Look up the subjects and grade requirements on the course pages of this prospectus and on the UCAS course search pages. Remember that the most up-to-date information will be online.

We consider applicants with a wide range of UK and international entry qualifications. Full details are on our website given in the Find Out More box opposite.

We offer international foundation pathways to prepare overseas students for undergraduate study and foundation years for some degree courses.

If you are returning to education and over 21 you may not need to have the same academic qualifications as school-leaving applicants. However, in addition to work or subject expertise, you may wish to gain experience of recent study. You can study part-time for credit with our Centre for Lifelong Learning.

You can find York's admissions policy on our website.

## Taking a gap year

All departments are willing to consider applications for deferred entry in 2018. If your plans change after you have applied, please would you let us know as soon as possible if you would like us to reconsider your application for an alternative year of entry.

## English language requirements

If your first language is not English you will need to provide evidence of your written and spoken English language ability. We will consider qualifications that provide sufficient evidence of your ability to use English in an academic setting at degree level, such as IELTS. Details of tests and grades accepted for entry are on our website.

If your grades are borderline, you may be able to attend an assessed

eight-week pre-session English language course at our Centre for English Language Teaching (CELT) to progress to your academic course.

Some students whose first language is not English may have taken qualifications which will substitute for an English language test score. If you want to know if this applies to you, contact the Admissions team – details are given in the Find Out More box opposite.

## Widening participation

We work with schools and colleges, local authorities and further and higher education partners to encourage a socially and culturally diverse student population at York. Activities include day visits, residential events for young people from all backgrounds, and outreach programmes such as Shine (for school years 6–11) and Next Step York (for school years 12 and 13). We are a partner in the ground-breaking Realising Opportunities programme and lead the regional Excellence Hub.

## York Access Scheme

Our access scheme helps applicants who have faced challenges – social, personal or educational – which may have affected their performance in education. It allows you to provide additional information alongside your UCAS application.

## Need additional support?

We're committed to providing an accessible environment for students with additional needs arising from a long-term medical condition, disability, mental health difficulty, or specific learning difficulty, such as dyslexia or dyspraxia. We advise you to indicate any additional needs in your UCAS application so we can contact you and identify solutions where applicable. Information regarding disability has no bearing on the academic assessment of your application. Our disability services team can advise you on your application, funding support, visiting us and campus support.

## 2017 ENTRY DEADLINES

### 15 OCTOBER 2016

This is the closing date for applicants to the Hull York Medical School.

### 15 JANUARY 2017

This is the deadline for equal consideration for all courses except Medicine. We will consider applications for courses through UCAS Extra after this deadline if places are still available.

## FIND OUT MORE

### Admissions team

+44 (0)1904 324000

[ug-admissions@york.ac.uk](mailto:ug-admissions@york.ac.uk)

[york.ac.uk/study/undergraduate/applying](http://york.ac.uk/study/undergraduate/applying)

### UCAS deadlines

[ucas.com/ucas/undergraduate/apply-and-track/key-dates](http://ucas.com/ucas/undergraduate/apply-and-track/key-dates)

[york.ac.uk/ug-application-timeline](http://york.ac.uk/ug-application-timeline)

### Our agents world-wide

[york.ac.uk/study/international/your-country/representatives](http://york.ac.uk/study/international/your-country/representatives)

### Your Personal Statement

[york.ac.uk/ug-personal-statement](http://york.ac.uk/ug-personal-statement)

### Entry requirements

[york.ac.uk/ug-entry-requirements](http://york.ac.uk/ug-entry-requirements)

### Subject and grade requirements

[york.ac.uk/ug-courses](http://york.ac.uk/ug-courses)

### International foundation pathways

[york.ac.uk/international/degree-preparation](http://york.ac.uk/international/degree-preparation)

### Returning to education

[york.ac.uk/lifelonglearning/credit](http://york.ac.uk/lifelonglearning/credit)

### Admissions policy

[york.ac.uk/ug-admissions-policy](http://york.ac.uk/ug-admissions-policy)

### English language requirements

[york.ac.uk/ug-language-requirements](http://york.ac.uk/ug-language-requirements)

### Centre for English Language Teaching (CELT)

[york.ac.uk/celt](http://york.ac.uk/celt)

### Widening participation

[york.ac.uk/schools-and-colleges](http://york.ac.uk/schools-and-colleges)

### York Access Scheme

[york.ac.uk/york-access-scheme](http://york.ac.uk/york-access-scheme)

### Disability Services

[york.ac.uk/students/support/disability](http://york.ac.uk/students/support/disability)



100% Natura • Made in

# FUNDING YOUR STUDY

## FEES, FUNDING AND LIVING COSTS

### Your fee status

Your fees cover the cost of your tuition, registration and exams. Accommodation is a separate cost. There are different fee levels for UK/EU and overseas students. Your status determines the level of fee you will be asked to pay, as well as your access to bursaries and other support.

If you have any questions about your fee status at York, please refer to the website given in the Find Out More box on page 63.

### UK/EU tuition fees

Fees for 2016 entry to York and the Hull York Medical School will be £9,000 per year for UK/EU students. Fees for 2017 entry are subject to government approval and will be announced on our website as soon as possible.

### Funding support

There is information on our website about our scholarships and bursaries for UK/EU students, as well as loans and support packages to help with tuition fees and living expenses. See the website for more details.

### Overseas fees

Overseas tuition fees depend on whether the course is laboratory- or classroom-based. For the 2016/17 academic year, international undergraduate tuition fees ranged from £15,680 to £20,100 per year (excluding Medicine). The University sets its own overseas fees and will decide on these for 2017 entry in late 2016. See the website given in the Find Out More box on page 63 for more information on overseas fees.

### Funding support

You can apply for a York scholarship: applications open in January 2017 and close by 30 April 2017. If successful, you receive fee reductions of 25% for each successful year of study, based on academic merit and financial need (excludes Medicine students at Hull York Medical School). If you are an undergraduate student refugee from the humanitarian crisis in Syria, North Africa and the Middle East you can apply for one of two scholarships. See the website given in the Find Out More box on page 63.

Look up external funding programmes for international students through organisations such as the Commonwealth Scholarship Commission in the United Kingdom. Check our website for any funding opportunities provided by your country.

## UK/EU STUDENT LOANS

### TAKING OUT A LOAN

All first-time UK/EU undergraduates can apply for a tuition fee loan to cover their tuition fees in full. If you take out a tuition fee loan you won't have to pay fees up front or during your time at university.

Use the UK government's student finance calculator to estimate your student loan, and to check whether you can apply for any extra funding.

### PAYING BACK A LOAN

You don't have to begin repaying your loan until you're earning over £21,000 per year. At that point you start paying back 9% of your earnings above the £21,000 threshold. For example, a person with an income of £25,000 will pay 9% of £4,000, that is £360 a year, or £30 a month.

If you're a student from Scotland, Wales or Northern Ireland, you should contact your relevant education authority for details of available student financial support.



Cashpoint

## Island fees

For students from the Isle of Man and Channel Islands, fees for 2016 entry to the University will be £9,000 and fees for 2016 entry to the Hull York Medical School will be £28,000. Fees for 2017 entry will be announced on our website as soon as possible.

## Funding support

You should contact your relevant education authority for details of available student financial support.

## All students

### When do I pay my fees?

Fees for students in receipt of a UK/EU student loan will be paid direct to the University. If you are paying your fees yourself or are an overseas fee payer, you can pay your tuition fees in one lump sum or in three instalments (usually in October, January and April).

### College fees

A college fee of £10 per year (up to a maximum of £30 for a course lasting three years or more) is payable by all students.

## Planning your budget

Your living costs will vary significantly depending on your lifestyle and whether you live on campus. We estimate you will need a budget of between £3,300 and £3,500 per year for living costs, excluding accommodation and any travel costs if you live on campus. (Accommodation is excluded since prices vary considerably depending on student choices.) Please see page 50 for further details.

### WHAT SHOULD YOU BUDGET FOR?

- Rent (if you live away from home)
- Food and toiletries
- Course costs (books, stationery, photocopying, equipment)
- Local transport costs
- Transport from your home to York
- Insurance
- Laundry
- Your college fee
- Additional field trip costs
- Social life, sport and entertainment
- Mobile phone
- TV licence.

You can make your budget go further by using your bike or the free campus hopper bus to get around, using your student card in campus and city shops and York Sport Village, and making the most of student nights in the city.

## FIND OUT MORE

### Your fee status

[york.ac.uk/study/undergraduate/fees-funding/fee-status](http://york.ac.uk/study/undergraduate/fees-funding/fee-status)

### Student loans

[studentloanrepayment.co.uk](http://studentloanrepayment.co.uk)

### UK/EU students

Funding, our scholarships and bursaries, maintenance grants, loans and support packages  
[york.ac.uk/study/undergraduate/fees-funding/uk-eu](http://york.ac.uk/study/undergraduate/fees-funding/uk-eu)

### Student finance calculator

The UK government's student finance calculator for estimating your student loan, and applying for grants and extra funding  
[gov.uk/student-finance-calculator](http://gov.uk/student-finance-calculator)

### International students

Fees, entry requirements, funding opportunities  
[york.ac.uk/study/undergraduate/fees-funding/international](http://york.ac.uk/study/undergraduate/fees-funding/international)

### Living costs

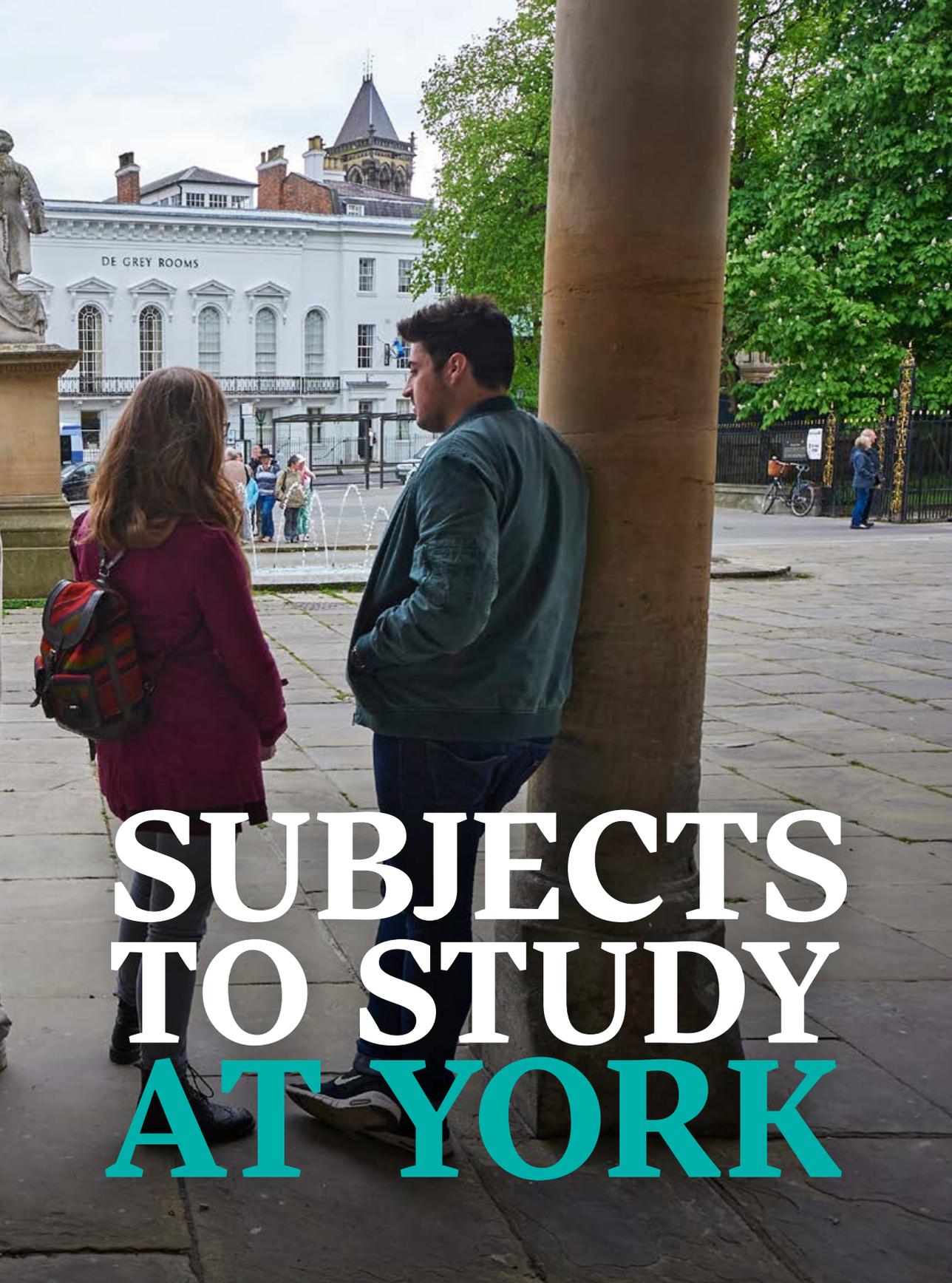
[york.ac.uk/study/undergraduate/fees-funding/living-costs](http://york.ac.uk/study/undergraduate/fees-funding/living-costs)

### Additional field trip costs

Department websites give details of any additional course-related costs



Our superb location in York, with its multi-layered history and cultural resources, offers rich opportunities for a wide range of academic study



# SUBJECTS TO STUDY AT YORK

# Archaeology

Archaeology explores people, society and the environment in the past and the present, with rigorous training in evaluating evidence and ideas. It is hard to imagine a better place to pursue Archaeology than York, where the city itself is both a setting and a subject for your studies

## Programmes

UCAS

<b>BA Archaeology</b>	V400
<b>BSc Archaeology</b>	V402
<b>BA Historical Archaeology</b>	V401
<b>BSc Bioarchaeology</b>	V403
<b>BA Archaeology and Heritage</b>	V404

Natural Sciences – see page 151

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutors

Dr Camilla Speller (2015/16)

Dr Penny Bickle (2016/17)

#### Telephone

+44 (0)1904 323903

#### Website

[york.ac.uk/archaeology](http://york.ac.uk/archaeology)

#### Email

[archaeology@york.ac.uk](mailto:archaeology@york.ac.uk)

2015 Applications 407

2015 Admissions 86

### TYPICAL OFFERS

**A levels** ABB/BBB

**IB Diploma Programme**

34/31 points

**BTEC Extended Diploma**

DDM

### Other qualifications

For details of acceptable

qualifications go to

[york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature

students are welcomed and considered individually

### ESSENTIAL SUBJECTS

For V403, a science

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING ARCHAEOLOGY

Archaeology is the study of the human past and its material culture. We are interested in all aspects of past lives and societies: ideology, power, economy, social organisation, art, technology, and interaction with the natural environment. Archaeology is also intensely concerned with the relevance and significance of the past in the present, and how the past is valued and presented to the public. Archaeology is naturally interdisciplinary, so it appeals to students coming from an arts and humanities background, such as history, as well as those trained in the social and natural sciences. Archaeology is also an excellent way of developing a range of transferable skills, leading to a wide variety of interesting careers. It encourages creative and critical thinking, problem solving, verbal and written communication, and a wealth of practical, technical and management skills.

## ARCHAEOLOGY AT YORK

Our curriculum focuses on both the academic and the practical aspects of archaeology, so you can use your degree to take you to the next stage of your life and career. The Department consistently ranks highly in the annual league tables. We are also a leading research community: in the 2014 Research Excellence Framework assessment, the Department was ranked fourth for overall research performance against other Archaeology departments and in the top five for the proportion of 'world-leading' research activity and research impact. In 2011 we received a Queen's Anniversary Prize for Higher Education, the highest academic distinction which can be bestowed on a university department. Most importantly, we pride ourselves on being a vibrant and friendly department with a strong sense of community, and we get to know our students individually.

The Department is situated in the King's Manor, a medieval building in the historic centre of York and an ideal place to study Archaeology. We have close research and teaching ties with the city's wider community of archaeology and heritage professionals, including museums and field units, and with national bodies such as the Council for British Archaeology, Historic England, the National Trust, and the Archaeology Data Service. Many of our students take advantage of York's archaeology resources to gain work and volunteer experience during their studies and to find employment after graduation.

## OUR PROGRAMMES

The Department offers a range of degrees which cater to the different facets of the discipline. All of them provide you with a solid grounding in the practical and intellectual elements of archaeology and allow you to specialise according to your interests. Staff at York have interests in the whole of the human past, from the earliest people to the modern day, and we conduct research in all parts of the world. We also particularly emphasise the management and contemporary significance of heritage, and its impact on today's society. Our research leads directly into our teaching, allowing students to learn from scholars at the cutting edge of archaeological techniques, interpretations and ideas and to be involved first-hand with new research and discoveries.

## WHAT YOU STUDY

### BA/BSc Archaeology

York is a magnet for those with archaeological interests, putting you in everyday contact with archaeologists actively engaged in fieldwork, research and the presentation of archaeology to the public. The BA in Archaeology allows you to explore the past and its people from a primarily humanities-based perspective, while the BSc has a primarily science-based perspective, although all of our degree courses involve learning skills and techniques in both the sciences and the humanities.

All our degrees share a common first year, introducing you to the wide range of periods and cultures that archaeologists study, and the methods they use. You will learn about historical research and scientific dating techniques, how we record and analyse material culture and survey, excavate and interpret landscapes, sites and buildings. We also train students to think about the history and theory of archaeology, considering the intellectual development of the subject, our relationship with other disciplines and our responsibilities to present communities. Throughout the first year you will be developing practical skills through hands-

on training. Students will go on field trips and be trained in fieldwalking, geophysical and topographic survey, buildings recording and the Department's research excavations.

In your second year you begin to specialise, choosing from a wide range of option modules in prehistoric and historical archaeology. These modules explore how themes such as power, identity, memory, symbolism and social relationships were expressed in different time periods and cultures. You also get a chance to explore archaeology at a global scale, from Europe to Ancient Egypt to the New World. The second year also gives you the opportunity to develop your practical and team-working skills in a range of hands-on modules. You will develop your independent research skills through a series of workshops and you begin to plan your dissertation. The dissertation is your opportunity to get your teeth into a particular topic of your choosing, undertaking an original programme of in-depth research and writing. Like our seminar and workshop modules, the dissertation also provides you with a wealth of transferable communication, presentation and management skills, which feed into the development of your personal employability plan and any work and volunteer experience you undertake outside the classroom.

Your final year sees you tackling the subjects that interest you in even greater depth. These small-group modules comprehensively explore a topic closely related to a member of staff's own research, such as human evolution, ancient DNA, Viking Age Britain, battlefield archaeology, the archaeology of Christianity, or the interiors of historic buildings. In these modules, you will build on the skills developed in Years 1 and 2, playing an increasingly active role in setting agendas, chairing discussions and giving professional presentations. Working closely with a supervisor and in group workshops, you also complete the research and writing of your dissertation, and you will cap your three years by delivering a formal lecture on your dissertation findings to an audience of your peers and staff. Tutors and supervisors will also provide you with guidance about what happens after your time with us – writing a CV, finding a job, or pursuing further training and research in your chosen field. After graduation, your relationship with York does not end. As one of our departmental alumni, you can maintain a lifelong connection with us through the web and other alumni events.

### BA Historical Archaeology

Historical Archaeology explores those periods of the past for which texts and documents also survive, which means that you will not only become expert in working with material culture, but also be trained to use evidence from documentary sources. You will critically consider

the relationship between material culture and texts from the Roman period up to the 21st century, and take on the unique challenges which face archaeologists working in documented periods. In Historical Archaeology you will study the landscapes, settlements and buildings of past societies, the documents they wrote, the art and artefacts they made, and the graves and monuments they used to commemorate their dead. We are also passionate about 'the past in the present' – making history matter in today's society.

Historical Archaeology enables you to pursue interests you already have and discover others you may never have thought of. You will learn how to carry out research in the field and in archives, and how to integrate material evidence, historical documentation and digital resources to answer important questions about the past.

### BSc Bioarchaeology

Archaeologists study the human past through not only the material culture of past societies, but also the remains of plants and environment, animals, and even the people themselves. Bioarchaeology (applying biological and chemical sciences to archaeology) brings new and exciting techniques to the discipline, and is increasingly important to our understanding of the past. Bioarchaeology attracts people from a wide range of backgrounds, but typically appeals to students who have a good grounding in the sciences and an interest in using those skills to answer questions about people in the past.

Bioarchaeologists investigate what people ate by studying plant and animal waste left on archaeological sites, or use isotopic analysis to find out about diet, where people came from, and whether they travelled long distances in their lifetimes. Ancient populations come alive through the study of their bones and DNA, or you can examine their material culture made from plants and animals, such as wool clothing, parchment, or bone and antler artefacts.

At York we have a large team working on a wide array of bioarchaeological research; you will have the chance to make cutting-edge discoveries alongside us in specialist laboratories. York is also home to the interdisciplinary BioArCh centre, in which staff from the Departments of Archaeology, Biology and Chemistry come together to formulate scientific approaches to understanding the past. Our expertise includes human bones, shells, fish and animal bone, plant remains and pottery residues. We explore these remains through biomolecular analyses of isotopes, ancient DNA, proteins and lipids. Through lectures, workshops, seminars and practicals, you will learn about these methods, develop your lab skills, and participate in new research.

Specific modules on biomolecular archaeology provide a broad understanding of the principles and methods of

biochemistry, isotope chemistry and molecular biology and develop essential skills, including zooarchaeology, human osteology, geoarchaeology and biomolecular approaches to the historic environment. The programme also explores human evolution, the uses and abuses of ancient DNA and its integration with modern genetics, as well as the interplay between forensic science and archaeology.

### BA Archaeology and Heritage

Cultural heritage consists of the legacies of past human activity, with a particular focus on those that have persisted into the present. These can be physical things like buildings and archaeological sites, artefacts, and the visible and 'tangible' landscape, but heritage can also be 'intangible': like cultural traditions and dialects. This socially important programme will give you skills to meet the intellectual and creative challenges of a career protecting and presenting heritage, whether in museums, government, or the public and private sectors. You will explore the reasons why certain places, objects or areas are valued, and what happens when everyone does not share these values. The programme also focuses on how heritage is managed and innovatively interpreted for the wider public.

Students on this degree programme will combine depth of knowledge about the human past with informed and practical understanding of what that knowledge represents in contemporary society, and how it can be best managed for the future: in short, why the past matters and to whom.

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 *I was attracted to Archaeology at York because of the variety of the programme – from the broad overview in the first year to the choice of specialist modules as the course progressed. More than anything it is the enthusiasm and passion of the staff in the Department that makes Archaeology at York so special – everyone is willing to go the extra mile to provide guidance."*

Rebecca (BA Historical Archaeology, 3rd year)

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## TEACHING AND LEARNING

Formal lectures are used to introduce subjects and present evidence for further discussion, but they are only one part of our teaching approach. We emphasise small group teaching and student contributions in seminars, encouraging an atmosphere of debate, discussion and mutual enquiry. We also teach you a range of practical skills in labs, archives and museums, and in the field. We also make use of the archaeological and historical resources on our doorstep. Site visits in York and Yorkshire are an integral part of all our degrees.

## STUDY ABROAD

The Department offers opportunities to study abroad in the second year, through departmental initiatives or through University schemes. See our website for further details. Outside term time, staff projects and excavations may provide the chance to volunteer and travel in Europe or overseas, and we can advise about attending field schools or opportunities offered by other organisations.

## ASSESSMENT

The Department makes use of a wide array of assessment methods which help you develop your skills in the classroom, in the lab and in the field. This enables students to play to their established strengths, as well as to improve in new areas. Some modules are assessed by traditional written examinations and essays, while others are assessed through a variety of innovative assignments, including team projects, critiques, presentations and practical tests. The dissertation provides an opportunity to carry out in-depth, independent research on a topic that is relevant to your degree course and which emerges from your own interests. Our range of assessments is designed to improve your abilities in written and oral communication, critical thinking and analysis, and practical knowledge, all of which are valuable transferable skills to take with you into your eventual career.

## ADMISSIONS

We warmly encourage all potential students to attend one of the University's Open Days to meet staff and students and find out more about our programmes. Applicants who receive an offer are invited to a Department visit day. You can take a tour around the King's Manor and our facilities, participate in a workshop, and meet current undergraduates to find out about the student experience.

We welcome applications from students taking a wide range of A level or equivalent subjects, and we are happy to accept a mix of subject interests across the humanities, social sciences, and sciences. Our typical offers are listed on page 66. After a full assessment of a candidate's UCAS

application, the lower offer may be made to students who show a clear enthusiasm for and commitment to Archaeology through independent study, volunteer experience or involvement with heritage organisations.

We encourage applications from mature students, who are a valued part of our student community. Their applications are considered sympathetically and on an individual basis, as are those of students applying through the University's access schemes and widening participation initiatives. Further information about the Department and our programmes can be obtained from our website, or by contacting the Admissions Tutor.

## WHAT OUR GRADUATES DO

Our curriculum will provide you with a wealth of transferable skills which are highly valued by employers, and which give York students an edge in the workplace. We train our students to think critically and analytically, and to work independently as well as in teams, organising and participating in group projects and fieldwork.

With ground works for HS2 and other large infrastructure projects on the horizon, archaeology is predicted to become a 'boom career' over the next decades. Our graduates are already seeing increasing demand for their skills within the archaeology and heritage sectors. They work at institutions such as Historic England and the National Trust, at museums, in local councils, for archaeology and heritage charities and tourism sites, or for professional consultancies and field units. Others find work as lab scientists or technicians, as teachers of history and archaeology, or in the media as journalists, researchers and presenters. Many of our students choose to go on to further vocational or research training, within archaeology or in cognate disciplines. Outside archaeology, our students find work in a wide range of careers, such as civil service, law, the police, business and management, financial services and IT.

Examples of recent graduate employment include:

- Cultural Heritage Assistant
- Bid Co-ordinator
- Freelance Production Runner
- Archaeological Field Officer
- Freelance Commercial Archaeologist
- Events Manager

for a wide range of employers, such as:

- Yorkshire Wildlife Park
- Leeds City Council
- Aon Hewitt
- Associated Press
- Oxford Archaeology
- UK Border Agency.

# Biochemistry

Two outstanding departments combine to deliver a contemporary and exciting programme at the interface of the biological and chemical sciences

## Programmes

UCAS

### BSc Biochemistry

C700

### MBiochem Biochemistry (4 year)

C706

*Optional year in Europe or year in industry available for all programmes*

*Courses are three-year programmes unless otherwise stated*

#### KEY FACTS

##### Admissions Tutors

Professor Anthony Wilkinson  
Dr Setareh Chong

##### Telephone

+44 (0)1904 328548

##### Website

[york.ac.uk/biology](http://york.ac.uk/biology)

##### Email

[biol-admissions@york.ac.uk](mailto:biol-admissions@york.ac.uk)

**2015 Applications** 663

**2015 Admissions** 55

#### TYPICAL OFFERS

**A levels** AAA/AAB

##### IB Diploma Programme

36/35 points including HL 6  
in essential subjects

##### BTEC Extended Diploma

DDD (for subjects accepted,  
see Department website)

#### Other qualifications

For details of acceptable  
qualifications go to  
[york.ac.uk/study/  
undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature  
students are welcomed and  
considered individually

#### ESSENTIAL SUBJECTS

Chemistry and either  
another science or  
Mathematics  
Excluding General Studies

#### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0  
in all units

## STUDYING BIOCHEMISTRY

This is a very exciting time for biochemistry. The enormous quantities of DNA and protein sequence data and the consequent understanding of organisms at a fundamental level give great opportunities for new insights and for important biotechnological advances. Biochemistry seeks to understand the molecular basis of the structure and processes of life and it has a vital part to play in dealing with many of the important issues of today: human health and disease, the uses of biotechnology and the problems of feeding and fuelling the world's growing population.

Biochemistry trains you to approach difficult problems in a rigorous and logical fashion. Thus a Biochemistry degree equips you not only for a career in areas allied to biochemistry, but also in other fields, for example in industrial management or other types of administration.

## BIOCHEMISTRY AT YORK

The Biochemistry degree programme is a collaboration between the Departments of Biology and Chemistry which have excellent reputations for teaching and research, with both departments performing strongly in the 2014 Research Excellence Framework. The world-class Structural

Biology Laboratory in the Department of Chemistry is now located in the new Biology building, leading to even closer integration of biochemists in the two departments. Important areas of biochemical research at York include structural biology, molecular microbiology, bacterial toxins, cancer, infection and immunity, plant biochemistry and genetics, genetic engineering, developmental biology and bioinformatics.

During your degree you will also receive excellent training in transferable skills, invaluable in finding employment after your degree.

## OUR PROGRAMMES

### BSc Biochemistry

The two departments collaborate to deliver an integrated Biochemistry degree that may be studied either as a three-year BSc programme, a four-year BSc programme with a year in industry or a year in Europe, a four-year integrated Masters programme (MBiochem), or a five-year integrated Masters programme with either a year in industry or a year in Europe (MBiochem). There is a high degree of flexibility in interchanging between these

courses – ideal if you are not yet sure whether you wish to do an integrated Masters, or spend a year in industry or a year in Europe.

## MBiochem Biochemistry

Our four-year integrated Masters programmes enable you to include a postgraduate-level qualification (MBiochem). The final year includes an extended research project, where the majority of your time is spent in the Department's research laboratories, and distinct Masters-level modules. The MBiochem gives you an advantage when you start a career as a professional scientist, or when going on to do a PhD.

### Adding a year in industry

In this programme, we place students with a wide range of employers, often in pharmaceutical/biotechnology companies, government agencies and research institutes. During the placement you will undertake a research project that is written up as an assessed report. Students receive guidance from academic staff in finding and applying for a placement and continue to receive support from their York supervisor while on placement. Students are not guaranteed a placement but the Department will do all it can to find a suitable placement. Students who are not successful in obtaining a placement will be transferred to the standard programme.

### Adding a year in Europe

We currently have exchange programmes with the University of Grenoble (France), the Universities of Bayreuth and Jena (Germany), the University of Valencia (Spain) and the University of Aarhus (Denmark). Students wishing to spend time on these programmes should have language abilities at least to AS or equivalent level and additional language training is available during the first two years at York.

As an alternative to a study placement, you can elect for a full-time laboratory placement during your third year, working on a research project in an internationally renowned European laboratory, either in a university or in a research organisation. This scheme is independent of any bilateral exchange agreements, so there will be a wide choice of country and institution available. English is the accepted working language in these laboratories, but familiarity with the language of the host country will be useful for everyday life.

## WHAT YOU STUDY

The first year is a foundation year which is taken by all Biochemists. There is some choice of modules in the second year, and a wide choice in the final year, allowing you to tailor your studies to suit your individual interests.

In Year 1, you take modules in core topics, half of which

are taught by academic staff from the Department of Chemistry and half from the Department of Biology.

- Foundation Chemistry for Biochemists covers essential aspects of organic, inorganic and physical chemistry relevant to the understanding of biomolecules.
- Molecular Biology and Biochemistry
- Genetics
- Microbiology/Cell and Developmental Biology
- Biochemical Skills 1 provides an introduction to the design, execution and presentation of biochemical experiments and to some of the fundamental biochemistry techniques.

In Year 2, provisional compulsory modules are:

- Protein Chemistry
- Cell Biology
- Biochemical Skills 2 which includes sets of small group tutorials in which you cover subjects you are interested in throughout the term of study. Taught elements cover the design and interpretation of experiments, and advanced biochemical methods.

In Year 2 you will also take a module in Molecular and Cellular Physiology, as well as having a number of option modules to choose between, such as:

- Molecular Biotechnology
- Developmental Biology
- Neurophysiology
- Chemistry and Disease
- Immunology.

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 *At York Biochemistry is taught across the Departments of Chemistry and Biology so you gain a strong foundation in both subjects and the final year research project can be in either or both areas. I've most enjoyed learning about the history of medicine alongside the design of modern medicines in Chemistry and Disease, and the lab work."*

Emily (BSc Biochemistry, 3rd year)

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In the final year of the BSc you will:

- conduct an independent Research Project. This 18-week project runs throughout the Autumn and Spring Terms, and gives you an opportunity to carry out a novel piece of scientific research in an active research laboratory environment
- take six option modules covering areas of contemporary scientific importance
- take Biochemical Skills 3 which focuses on problem-solving skills, writing an extended open essay dissertation, developing a deeper appreciation of the application of scientific methods, and learning how to read and appreciate the scientific literature.

Four-year MBiochem students will take eight option modules in Year 3, then a year of training that focuses on an extended research project and Masters-level modules.

## TEACHING AND LEARNING

Teaching involves lectures, tutorials, practical classes and a research project in the final year. A programme of tutorials in Years 1 and 2 provides opportunities for discussion of chemical and biochemical topics in small groups. Practicals provide experience of essential laboratory techniques and experimental design. In the final year, you undertake a research project which is written up as a short thesis.

## STUDY ABROAD

### Studying in Europe

Our four-year programmes with a year in Europe, described above, offer the opportunity to study at a university in France, Germany, Spain or Denmark.

### Studying worldwide

It may also be possible to spend your second year at a university in North America, Asia or Australia (see page 26). Since the year abroad replaces the second year at York, you would graduate from York after three years.

## ASSESSMENT

All modules throughout the programme are assessed, using a mixture of closed examinations and continuous assessment for practicals, tutorials and open essay assignments. Marks from the first year do not count towards the overall degree. For the BSc, the second and third year contribute 40 and 60 per cent to the final mark; for the MBiochem, the second year contributes 25 per cent and the third and fourth year 37.5 per cent each.

## ADMISSIONS

We normally make offers on the basis of information on the UCAS form and invite candidates to York for a visit, during which they have a tour of the departments and the campus and talk with staff and current students.

We require A level Chemistry and another science or Mathematics. We also welcome applicants with other equivalent qualifications.

### International students

Applications from international students are welcome. Details of our requirements for a wide range of international qualifications are available on our website, and you are encouraged to contact the Admissions Tutors for advice about specific qualifications.

The Department offers a scholarship of £2,500 per year for an overseas student who pays fees at overseas rates (see our website for details). University scholarships are also available (see page 61).

## WHAT OUR GRADUATES DO

Biochemical research underpins advances in areas such as medicine, agriculture and biotechnology. More than 80 per cent of our graduates take a higher degree or enter a career in science and engineering. Our programmes require students to meet the challenge of solving problems and understanding complex concepts, a process which develops skills of value in a variety of other occupations. Graduates have also gone on to careers in management, marketing, accountancy and computing.

Examples of recent graduate employment include:

- Research Technician
- Sales and Applications Engineer
- Nursing Assistant
- Assistant Diagnostician
- Science Technician
- Radiation Protection Scientist

for a wide range of employers, such as:

- Edmund Optics
- Public Health England
- Sense Biodetection
- Wellcome Trust
- Schrodgers
- UCL Cancer Institute.

# Biology

Biology at York has an international reputation and outstanding facilities. Regular small group tutorials are a distinctive and popular part of our teaching, contributing to the friendly supportive atmosphere

## Programmes

## UCAS

<b>BSc Biology</b>	C100
<b>MBiol Biology</b> (4 year)	C105
<b>BSc Molecular Cell Biology</b>	C130
<b>MBiol Molecular Cell Biology</b> (4 year)	C135
<b>BSc Genetics</b>	C400
<b>MBiol Genetics</b> (4 year)	C405
<b>BSc Biotechnology and Microbiology</b>	CJ57
<b>MBiol Biotechnology and Microbiology</b> (4 year)	CJ54
<b>BSc Ecology</b>	C180
<b>MBiol Ecology</b> (4 year)	C185

Optional year in Europe or year in industry available for all programmes

Natural Sciences – see page 151

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutors

Dr Adrian Harrison  
Dr Thorunn Helgason

#### Telephone

+44 (0)1904 328548

#### Website

[york.ac.uk/biology](http://york.ac.uk/biology)

#### Email

[biol-admissions@york.ac.uk](mailto:biol-admissions@york.ac.uk)

**2015 Applications** 1,519

**2015 Admissions** 212

### TYPICAL OFFERS

**A levels** AAA/AAB

#### IB Diploma Programme

36/35 points including HL 6, 6 in essential subjects

#### BTEC Extended Diploma

DDD (for subjects accepted, see Department website)

### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Biology and either Chemistry or Mathematics  
Excluding General Studies

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING BIOLOGY

Biology is the science of the 21st century. Monumental advances and achievements are transforming our knowledge about living systems and having a tremendous impact in areas as diverse as medicine, biotechnology and ecology. Biology has a vital part to play in shaping our future and coping with many problems of our modern world, from human health and disease to the widely acknowledged global environmental issues.

## BIOLOGY AT YORK

Our degree programmes are designed to stimulate your interest in the most significant areas of modern biology, and we encourage our students to develop a lasting enthusiasm for the subject. A key feature of the Department is the absence of barriers between disciplines. We offer degree programmes and undertake research across the whole spectrum of contemporary biology, from molecular and cellular biology, genetics, microbiology and biotechnology to ecology.

The Department is recognised for the quality of both its teaching and its research. In the 2014 Research Excellence Framework assessment, the Department was ranked eighth for overall performance and first for research impact. We have well-equipped research laboratories, a state-of-the-art technology facility, and specialist units in cancer, immunology and infection, stem cells and tissue engineering, plant sciences and environmental studies. This top-ranking research environment contributes to the distinctive character of our teaching, where teaching and research are combined.

We are consistently ranked in the top five in all major league tables and in the recent National Student Survey our Biology degree programmes achieved an 'overall satisfaction' rating of over 96 per cent. Our teaching programmes ensure a highly supportive learning environment. Our students particularly value the regular close contact that they have with members of staff in our well-developed tutorial system. As well as providing the opportunity to explore areas of special interest, tutorials encourage you to adopt a critical approach to a wide range of problems. Throughout the programme you will receive excellent training in transferable skills such as presentation teamwork, invaluable in finding employment after your degree. All this is delivered in up-to-date teaching laboratories, lecture theatres and computer rooms.

Students have a personal supervisor, whose role is both academic and pastoral. They provide advice about your academic choices and progress, and can help you with any other problems. Some staff have special responsibility for mature entrants or international students.

Our students play an active part in the life of the Department. Each year group has student representatives on the teaching boards and on our staff–student liaison committee and we seek feedback from students on all aspects of our teaching. Undergraduates also attend talks given by distinguished external speakers in our York Biology lecture programme. There is an active Biosciences Society with guest lectures, sports and social events, and many students play an important role helping with our outreach activities, demonstrating scientific experiments to local schoolchildren and participating in the York Students in Schools programme.

## OUR PROGRAMMES

We offer programmes in Biology and in a number of specialist areas (Molecular Cell Biology, Genetics, Biotechnology and Microbiology, Ecology). All can be taken as three-year BSc or four-year integrated Masters programmes (M Biol). It is also possible to add either a year in industry or a year in Europe to either option.

All programmes have a common first year, so there is a high degree of flexibility to interchange (subject to meeting progression criteria) – ideal if you are not yet sure what area of the subject interests you most or whether you wish to spend a year in industry or a year in Europe.

### BSc Biology and specialist degrees

You can either take a flexible broad-based Biology degree programme, spanning the breadth of contemporary biology – a good choice if you are interested in maintaining an interdisciplinary approach to biology – or choose a specialist degree programme in the following areas.

- **Molecular Cell Biology** aims to provide an understanding of biological processes at the molecular and cellular levels, from structure/function relationships of proteins and nucleic acids through to immunology, genetic engineering and cancer.
- **Genetics** is the unifying theme of biology, determining cellular and organismal processes, and acting as the link between generations. It ranges from molecular studies of genes through human genetics to the genetics of populations and evolution.
- **Biotechnology and Microbiology** allows you to focus on two aspects of biology of particular relevance to the application of biological knowledge to economically important areas such as health, food and the environment.
- **Ecology** covers fundamental ecology, from evolution to the structure of populations and communities, and its applications in conservation and environmental biology.

## MBiol Biology and specialist degrees

Our integrated Masters programmes enable you to extend your course to include a postgraduate-level qualification (MBiol). The Masters year includes an extended research project, where the majority of your time is spent in the Department's research laboratories, and distinct Masters-level modules. The MBiol allows you to focus in on a career as a research scientist at an earlier stage, provides additional experiences and challenges and gives you an advantage when you start a career as a professional scientist, or when going on to do a PhD.

### Adding a year in industry

All our programmes can be taken with an optional extra year spent gaining research experience in an industrial or research institute laboratory (between the second and third year of the selected programme).

Our Year Away academic co-ordinator guides you through the process of finding and applying for a placement, and you receive support from the Department during your year away. You are typically paid a salary by the employer during the year's research experience. We place students with employers to match their interests, ranging from pharmaceutical companies (such as AstraZeneca, GlaxoSmithKline, Lilly, Novartis), medical research establishments (National Institute for Medical Research, Sanger Institute, The Genome Analysis Centre) and government agencies (Food and Environment Research Agency) to botanic and zoological gardens (Royal Botanic Gardens, Kew and Flamingo Land) and environmental organisations (Freshwater Biological Association, North York Moors National Park).



*York stood out for me because there was the opportunity to tailor a year in industry to my interests. The broad range of module choices helped me identify my area of interest for a future career. I enjoyed a module in which we looked at the process involved in getting from the DNA sequence to an observable phenotype. We were also taught applied techniques used to probe the genome's structure and function."*

Emily (BSc Genetics, 3rd year)

Taking a year out in industry has many benefits, including hands-on experience of working in a research environment, and more generic skills, such as teamwork and time management – invaluable for your final year, and highly prized by prospective employers and PhD supervisors.

Students who are not successful in obtaining a placement will continue on the appropriate BSc or Masters programme.

### Adding a year in Europe

For all of our programmes we also offer the option of spending an extra year studying in France (Grenoble), Germany (Bayreuth and Jena), Spain (Valencia and Madrid) or Denmark (Aarhus). Like the year in industry this would be between the second and third year of the selected programme. As well as continuing to develop your knowledge of biology, you would live in another country for a year, improving your language skills, experiencing a different educational system, and gaining self-confidence.

Students wishing to spend time on these programmes should have language abilities at least to AS or equivalent level and additional language training is available during the first two years at York.

As an alternative to a study placement, you can elect for a full-time laboratory placement during your third year, working on a research project in an internationally renowned European laboratory, either in a university or in a research organisation. This scheme is independent of any bilateral exchange agreements, so there will be a wide choice of country and institution available. English is the accepted working language in these laboratories, but familiarity with the language of the host country will be useful for everyday life.

### WHAT YOU STUDY

The first year is based around our core modules (see First year modules on page 76), which are taught primarily through a combination of lectures and practical classes. These provide an introduction to the main areas of modern biology, and lay the foundations for more specialised modules in the subsequent years. An additional module, including regular tutorials, develops more general scientific and transferable skills. At the end of the first year, many students attend a highly popular field course in marine biology, held at Millport off the west coast of Scotland.

In the second year you begin to focus on areas of special interest, extending your knowledge and deepening your understanding through your choice of modules (see Second year modules, below) and tutorials. For specialist degree students your selection of modules must contain a core set in the area of your specialisation. The second

year Ecology programme includes a field trip to one of Tanzania, Majorca or the North York Moors. In all the field courses, you will have the opportunity to become familiar with the local ecosystems, and to observe the local wildlife.

In the third year you have a free choice of modules (see third year modules on page 77), which allows you to concentrate on your special interests, and a two-term research project which is your opportunity to interact with one of our many research groups and to produce an original scientific report. For specialist degree students the topic for your research project must lie within your area of specialisation. MBIol students also follow a Critical Analysis module that prepares you for your final year.

Students taking the MBIol conduct a substantial research project (four days per week) and take two extended research skills modules.

## TEACHING AND LEARNING

Teaching involves lectures, seminars, tutorials, practicals, projects and fieldwork.

Lectures offer a stimulating perspective on a subject and encourage you to study further. Some modules incorporate student-led seminars based on recent research papers or topics of current scientific interest.

Tutorials are one of the most popular and distinctive aspects of our programmes, and they provide an opportunity for small groups of students to hold regular informal discussions with a member of staff. As well as developing your enthusiasm for the subject they help you develop skills in conceptual thinking, as well as oral and written communication. Students often give presentations and debate topical issues. After the first term, when your supervisor is also your tutor, you select a different tutor each term.

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### First year modules

In the first year, all modules are compulsory for all students and provide a foundation in all the main strands of the subject.

- Molecular Biology and Biochemistry explores the relationship between structure and function at the molecular and cellular levels. It examines how chemical reactions provide energy and building blocks, and how enzymes provide catalysis and control.
- Genetics considers how DNA is organised into chromosomes and genomes in a variety of organisms, from bacteriophage to humans, and examines gene expression through the processes of transcription and translation. Gene mutations and chromosome aberrations are considered in the context of human genetics and disease, and in terms of their significance in evolution.
- Microbiology reveals how knowledge of the biology of various microorganisms, including bacteria and viruses, has led to the development of genetic engineering and the control of infectious diseases.
- Cell and Developmental Biology examines how fundamental processes within cells are organised and regulated, how cells communicate with one another, and how unicellular and multicellular organisms divide and reproduce.
- Animal and Plant Biology highlights interactions between organisms and their environment, at the level of individual organisms and ecosystems through to biomes. It includes an introduction to animal behaviour and how the diversity of both animal and plant species, and their anatomical and physiological adaptations, have been shaped by evolutionary processes.

In addition, a module covering essential scientific and transferable skills, including tutorials, runs throughout the first year.

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### Second year modules

Students select modules from the provisional list below. For students registered for specialist degree programmes, a number of core modules in each term will be compulsory.

- Behavioural Ecology
- Cell Biology
- Developmental Biology
- Environmental Ecology
- Eukaryotic Gene Expression
- Evolutionary and Population Genetics
- Immunology
- Marine and Coastal Biology Field Course
- Mechanisms of Genetic Change
- Metabolism in Health and Disease
- Molecular Biotechnology
- Molecular Microbiology
- Neuroscience
- Organisms in their Environment
- Population Biology
- Postgenomic Biotechnology
- Species–Environment Interactions

In addition, a scientific and transferable skills module runs throughout Stage 2. This includes small group tutorials, laboratory-based group projects and other sessions aimed at developing experimental design, research skills, and graduate-level skills in management and communication. There is a focus on modern techniques appropriate to your interest, applying experimental approaches to biological problems, and learning quantitative and computational approaches to analyse data.

Practical classes, field expeditions and a final year research project develop practical laboratory skills, and provide experience in planning experiments, interpreting data and writing scientific reports.

Scientific and transferable skills modules running throughout the programme help you to develop a wide range of analytical skills, and enhance your interpersonal and communication skills through group working and presentations. You also gain experience of specialised scientific techniques such as PCR, sequence analysis and cell culture, and you will be introduced to the way in which biological discoveries are developed into commercial applications.

## STUDY ABROAD

### Studying in Europe

Our four-year year in Europe programmes offer the opportunity to study at a university in France, Germany, Spain or Denmark (see page 75).

### Studying further afield

If you are interested in spending some time overseas during your degree, the University offers a number of opportunities to take part in exchange programmes outside Europe (see page 26).

## ASSESSMENT

All modules, including the final year research project, are assessed. First year assessments do not count towards the final degree mark, although satisfactory performance is required for progression.

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### Third year modules

Biology students have a choice of modules from the list below, while specialist degree students select a set of core modules in their area of interest. The topics cover areas of current scientific importance, and may change from year to year. The following provisional list gives a selection of those currently planned for the 2017 student intake.

- Advanced Topics in Animal Behaviour
- Advanced Topics in Developmental Biology
- Advanced Topics in Immunology
- Antibiotics
- Bacterial Pathogenesis
- Biocatalysis
- Biofuels and Biotechnology
- Bioremediation
- Brain in Health and Disease
- Cancer and the Cell Cycle
- Cell and Tissue Engineering
- Chromosome Dynamics
- Conservation Ecology and Diversity
- Ecological Genetics
- Environmental Microbiology
- Epigenetics in Development and Disease
- Evolutionary Ecology
- Glycobiology
- Health and Disease in a Changing Environment
- Human Genetics
- Human Molecular Parasitology
- Learning and Memory
- Membrane Transport and its role in Health and Disease
- Plant Biotechnology
- Plant–Soil Interactions
- Principles of Molecular Virology
- Protein Nucleic Acid Interactions
- Protein Protein Recognition
- Systems and Synthetic Biology
- The Anthropocene
- Transcription and Cancer

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In addition, students take a research skills module that deals with topics of particular relevance to the research project, including information retrieval, scientific writing skills and problem solving.

## ADMISSIONS

We usually make offers on the basis of information on the UCAS form, and invite applicants for interview only where there are special circumstances or unusual qualifications. If we offer you a place, we will invite you to visit us, to see the Department and campus, and to talk to staff and current students.

We welcome applicants offering A levels and a wide range of other qualifications of equivalent standard. A level applicants should have studied Biology and either Chemistry or Mathematics to A level. Preference will be given to applicants with traditional academic subjects as the third A2.

Applicants without Chemistry or Mathematics to at least A level may be considered exceptionally where applicants have attained or are predicted A grades in Biology and two other science subjects at A level (normally Physics and either Geography or Psychology).

Mature applicants, particularly those following appropriate Science Access programmes, are welcome to apply, and are encouraged to contact the Admissions Tutors for advice.

Our selection policy and programme requirements are subject to review, and we recommend that you consult our website for more detailed and up-to-date information. If you have any specific enquiries about our entrance requirements, please email the Biology Admissions Tutors.

### International students

Applications from international students are welcome. Details of our requirements for a wide range of international qualifications are available on our website, and you are encouraged to contact the Admissions Tutors for advice about your specific qualifications.

The Department offers a scholarship of £2,500 per year for an overseas student who pays fees at the overseas rate (see our website for details). University scholarships are also available (see page 61).

## WHAT OUR GRADUATES DO

Our programmes equip graduates with knowledge and practical skills within the biological sciences, and develop a number of more widely applicable scientific and personal abilities and skills.

Over half of our graduates go on to study for a higher degree, which is well above the national average. Substantial numbers go directly into a career in science while others are appointed to graduate-level positions in roles allied to science.

Employment prospects are diverse, including biological and biomedical research, scientific journalism and publishing, teaching, dietetics and other health-related work, and wildlife conservation. A significant number of our students go on to study postgraduate medicine, and our graduates are also well equipped for careers in other professions, such as finance, management, the media and law.

Examples of recent graduate employment include:

- Research Executive
- Sustainable Food and Farming Consultant
- Project Manager
- Clinical Scientist
- Environmental Consultant
- Medical Lab Technician

for a wide range of employers, such as:

- Healthcare Research Worldwide
- ADAS
- AstraZeneca
- Science Media Centre
- Arup
- Derby NHS Trust.

# Biomedical Sciences

*Biomedical Sciences at York is an exciting degree programme that will equip students with the skills and knowledge of the science underpinning medicine*

## Programmes

UCAS

### BSc Biomedical Sciences

C900

### MBiomedSci Biomedical Sciences (4 year)

C903

*Optional year in Europe or year in industry available for all programmes*

*Courses are three-year programmes unless otherwise stated*

#### KEY FACTS

##### Admissions Tutors

Dr Paul Pryor  
Dr Antje Kuhrs

##### Telephone

+44 (0)1904 328548

##### Website

[york.ac.uk/biology](http://york.ac.uk/biology)

##### Email

[biol-admissions@york.ac.uk](mailto:biol-admissions@york.ac.uk)

**2015 Applications** 378

**2015 Admissions** 33

#### TYPICAL OFFERS

**A levels** AAA/AAB

##### IB Diploma Programme

36/35 points including HL 6,  
6 in essential subjects

##### BTEC Extended Diploma

DDD (for subjects accepted,  
see Department website)

#### Other qualifications

For details of other acceptable qualifications, go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

#### ESSENTIAL SUBJECTS

Biology and Chemistry  
Excluding General Studies

#### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING BIOMEDICAL SCIENCES

One of the great societal and scientific challenges for the 21st century is improving human health. Combating disease requires a fundamental understanding of the processes that underlie the healthy state and subsequently what goes wrong during the onset of disease. Biomedical science is critical for developing novel drugs and intervention strategies and shaping public health policy.

With the advent of more sophisticated strategies for treating disease, such as the development of personalised medicine, never before has basic science had a greater impact in the clinic. Students who study Biomedical Sciences will be equipped to bridge the gap from bench to bedside and pursue careers in all aspects of the fight against disease.

## BIOMEDICAL SCIENCES AT YORK

Biomedical Sciences at York is a new cutting-edge undergraduate degree programme that took in its first students in 2014. It focuses on the science underpinning medicine and on excellent scientific research. An understanding of health and disease is

best approached from different angles, and a distinctive feature of our programme is that it is delivered by four University departments with outstanding biomedical research activity: the Department of Biology, the Hull York Medical School (HYMS), the Department of Health Sciences and the Department of Psychology.

We therefore offer an interdisciplinary course with breadth and depth in diverse topics such as human biology, pathogens, epidemiology and psychology. The teaching is delivered by non-clinical academic scientists with contributions from clinician-researchers, thus providing strong links throughout the course between your studies, scientific research and clinical applications.

The research environment is exceptional and informs the specialist teaching and topics for final year research projects. Internationally acclaimed research groups are active in areas including cancer biology, epidemiology, cell biology, genetics, tissue engineering, regenerative medicine, immunology and infection and the interface of neuroscience and psychology.

## OUR PROGRAMMES

### BSc Biomedical Sciences

The three-year programme focuses on topics relating to medicine and human health taught from the bioscience angle and is informed by current research and scholarship in the biomedical sciences across the University of York. The programme has many Biomedical Sciences-specific modules arising from expertise in the participating departments and additionally draws upon outstanding relevant modules in Biology. Skills modules and research projects are also taught across multiple departments.

It should be noted that our degree is distinct from accredited Biomedical Sciences programmes that provide training for NHS-based technical careers.

### MBiomedSci Biomedical Sciences

Our four-year integrated Masters programmes enable you to include a postgraduate-level qualification (MBiomedSci). The final year includes an extended research project, where the majority of your time is spent in the Department's research laboratories, and distinct Masters-level modules. The MBiomedSci gives you an advantage when you start a career as a professional scientist, or when going on to do a PhD.

Both BSc and MBiomedSci degrees can have an extra year added to the programme.

#### Adding a year in industry

The additional year is spent gaining (often paid) biomedical research experience. Students are placed with employers, often in pharmaceutical/biotechnology companies, government agencies and research institutes. During the placement you will undertake a research project that is written up as an assessed report. Students receive guidance from academic staff in finding and applying for a placement and continue to receive support from their York supervisor while on placement.

Students are not guaranteed a placement but the Department will do all it can to find a suitable placement. Students who are not successful in obtaining a placement will be transferred to the standard programme.

#### Adding a year in Europe

We can offer a year in Europe. Currently students can be placed in the University of Grenoble (France), Bayreuth or Jena (Germany), Valencia (Spain) and Aarhus (Denmark). Students wishing to spend time on these programmes should have language abilities at least to AS or equivalent level and additional language training is available during the first two years at York.

As an alternative to a study placement, you can elect for a full-time laboratory placement during your third

year, working on a research project in an internationally renowned European laboratory, either in a university or in a research organisation. This scheme is independent of any bilateral exchange agreements, so there will be a wide choice of country and institution available. English is the accepted working language in these laboratories, but familiarity with the language of the host country will be useful for everyday life.

### WHAT YOU STUDY

The first year is a foundation year which is taken by all Biomedical Sciences students, while the second and third years comprise a proportion of compulsory core modules and a wide choice of other modules that allow you to pursue your individual interests.

First year modules are likely to include the following:

- Introduction to Biomedical Sciences
- Human Reproduction and Development
- Molecular Biology and Biochemistry
- Microbiology
- Cell and Developmental Biology
- Genetics
- Scientific Skills and Tutorials.

In the second year, provisional compulsory modules are:

- Understanding Health and Disease
- Pharmacology
- Immunology
- Research Skills and Tutorials.



*I'm especially interested in human biology, and Biomedical Sciences at York appealed because of the Department's impressive academic reputation and its high student satisfaction results. The staff are knowledgeable and very approachable, and I really enjoy the lab work. Lectures are tailored just for Biomed students."*

Carlotta (BSc Biomedical Sciences, 1st year)

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Provisional optional modules include:

- Cell Biology
- Mechanisms of Genetic Change
- Molecular Microbiology
- Neuroscience
- Developmental Biology
- Metabolism in Health and Disease.

Skills modules in the second year include sessions that address wider issues relating to the field of biomedical sciences, healthcare and related research, facilitate personal development and professional skills and support career development.

In your final year, you will study six taught modules and spend two days a week for two terms on an independent research project. Modules focus on the research expertise of the academic staff and are taught primarily from the very latest scientific literature.

Provisional modules include: Advanced Topics in Immunology, The Brain in Health and Disease, Cancer and the Cell Cycle, Cell and Tissue Engineering, Advanced Topics in Developmental Biology, and Molecular and Cellular Parasitology.

The final year research project will often be carried out alongside postgraduate students and research staff in an active research lab. This provides a stimulating environment to develop your research skills. Project topics reflect the wide range of current research in the participating departments.

## TEACHING AND LEARNING

Teaching involves lectures, tutorials, practical classes and a research project in the final year. A programme of tutorials in Years 1 and 2 provides opportunities for discussion of biomedical science topics in small groups. Practicals provide experience of essential laboratory techniques and experimental design. In the final year, you undertake a research project which is written up as a short thesis.

## ASSESSMENT

All modules are assessed using a mix of closed examinations, practical reports, essays and oral presentations. Timely and constructive feedback for all assessments is a hallmark of our academic practice that is invaluable for encouraging improvement.

First year marks do not count towards the overall degree mark and the second and third year contribute 40 and 60 per cent respectively. Assessment of the final year research project contributes 20 per cent of the overall degree mark.

## ADMISSIONS

We usually make offers based on information in the UCAS form and then invite applicants to visit York. During your visit you will have a chance to tour the departments and the campus, and meet with staff and current students.

We require A level Biology and Chemistry. We also welcome applicants with other equivalent qualifications.

### International students

We welcome applications from international students. Our website give details of requirements for a wide range of international qualifications and you are welcome to contact the Admissions Tutor for advice about your specific qualifications. If your previous education was not taught in English, we usually require you to have taken the IELTS test and achieved a score of 6.5 or higher, with at least 6.0 in each skill.

## STUDY ABROAD

### Studying in Europe

Our programmes with a year in Europe, described on page 80, offer the opportunity to study at a university in France, Germany, Spain or Denmark.

### Studying worldwide

It may also be possible to spend your second year at a university in North America, Asia or Australia (see page 26). Since the year abroad replaces the second year at York, you would graduate from York after three years.

## WHAT OUR GRADUATES DO

Studying Biomedical Sciences develops critical thinking and research skills, and thus prepares students to be competitive for entry into relevant postgraduate degree programmes. The degree also provides suitable training for direct employment in health-related industries and services (eg NHS, pharmaceutical companies). In addition, transferable skills acquired on the course open up other relevant careers including patent law, public health policy and education, and scientific writing.

Students receive excellent support while identifying a career path. A careers helpdesk is available for one-to-one careers discussions, advice on CVs and mock interviews. A two-day careers conference in the Summer Term features talks by alumni, often from the NHS and pharmaceutical industry, and employability workshops.

# Chemistry

"We want you to get a sense of the real excitement and the enthusiasm that we at York all share for Chemistry and its teaching"

Head of Department

## Programmes

UCAS

<b>BSc Chemistry</b>	F100	<b>MChem Chemistry, Resources and the Environment</b>	F144
<b>MChem Chemistry</b> with a year abroad (4 year)	F101	with a year in industry (4 year)	F144
<b>MChem Chemistry</b> with a year in industry (4 year)	F102	<b>MChem Chemistry, Resources and the Environment</b>	F145
<b>MChem Chemistry</b> with a year in York (4 year)	F103	with a year in York (4 year)	F145
<b>BSc Chemistry, Management and Industry</b>	F190	<b>BSc Chemistry, Biological and Medicinal Chemistry</b>	F152
<b>MChem Chemistry, Management and Industry</b>	F191	with a year abroad (4 year)	F153
with a year abroad (4 year)	F191	<b>MChem Chemistry, Biological and Medicinal Chemistry</b>	F154
<b>MChem Chemistry, Management and Industry</b>	F192	with a year in industry (4 year)	F154
with a year in industry (4 year)	F192	<b>MChem Chemistry, Biological and Medicinal Chemistry</b>	F155
<b>MChem Chemistry, Management and Industry</b>	F193	with a year in York (4 year)	F155
with a year in York (4 year)	F193	Natural Sciences – see page 151	
<b>BSc Chemistry, Resources and the Environment</b>	F142		
<b>MChem Chemistry, Resources and the Environment</b>	F143		
with a year abroad (4 year)	F143		

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

**Admissions Tutor**  
Professor Andrew Parsons

**Telephone**  
+44 (0)1904 322545

**Website**  
[york.ac.uk/chemistry](http://york.ac.uk/chemistry)

**Email**  
[chem-ugrad@york.ac.uk](mailto:chem-ugrad@york.ac.uk)

**2015 Applications** 1,156

**2015 Admissions** 177

### TYPICAL OFFERS

**A levels** A\*AA/AAB

**IB Diploma Programme**  
37/35 points including HL 6  
in essential subjects

**BTEC Extended Diploma**  
DDD  
(only acceptable in  
conjunction with other  
qualifications)

### Other qualifications

For details of other  
acceptable qualifications  
go to [york.ac.uk/study/  
undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature  
students are welcomed and  
considered individually

### ESSENTIAL SUBJECTS

Chemistry  
Another science subject or  
Mathematics is preferred  
Excluding General Studies  
GCSE grade B or equivalent  
in the relevant language  
for applicants intending to  
spend the final year of the  
MChem at a university in  
Belgium, France, Germany,  
Italy or Spain

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5  
in all units

## STUDYING CHEMISTRY

Chemistry is often referred to as the 'central science', as it covers topics as diverse as quantum mechanics and the study of atomic particles, and the molecular nature of biological systems and the Human Genome Project. Learning about the fundamental basis of chemistry – the analysis of molecules, their structures and shapes and how they react – is vital if we are to meet the needs

of our society. Chemists really can make a difference in the world!

Our degree programmes are designed to give you a thorough grounding in all aspects of modern chemistry and a qualification from the University of York is highly regarded by employers. Major employers of chemists include pharmaceutical companies, agrochemical

companies, oil companies and the makers of detergents, paints, cosmetics and explosives.

## CHEMISTRY AT YORK

Chemistry at York offers both top quality teaching and an international research reputation in a modern welcoming department.

The Department provides students with:

- a supervisor who oversees academic progress and personal welfare
- a teaching programme which ensures a highly supportive learning environment
- lectures supported by small group tutorials and workshops
- state-of-the-art research facilities (as part of a £29 million phased redevelopment, a £9.4 million research building was completed in 2012 and a new £10 million undergraduate teaching laboratory and Green Chemistry Centre of Excellence in 2014)
- a wide choice of chemistry-related option modules
- an excellent record of industrial placements (49 for 2015/16)
- a flexible programme structure
- a range of sponsorships.

Recent departmental achievements include:

- Consistently high scores in the National Student Survey which place the Department among the top UK Chemistry departments for student satisfaction. In the 2015 survey, we had the best score among all Russell Group universities for student satisfaction: 98 per cent.
- We have three members of staff recognised for 'excellence of teaching' by the Royal Society of Chemistry.
- Our Athena SWAN Gold Award, for our commitment to women in science, was renewed in 2014 making us the longest holder of the Gold Award on record.
- In the 2014 Research Excellence Framework assessment, 94 per cent of the Department's research activity was rated as 'world-leading' or 'internationally excellent'.

## OUR PROGRAMMES

We offer a choice of three-year BSc and four-year MChem degree programmes in Chemistry, including modules specialising in management and industry, resources and the environment, and biological and medicinal chemistry. The MChem programmes give you the opportunity to gain experience in industry, to study for a year at an overseas

university or to carry out an extended research project at York.

Our programmes are based on a modular system with a wide range of flexibility and choice, while ensuring you graduate as a fully qualified chemist. All of our 16 degree programmes are accredited by the Royal Society of Chemistry. The structure of the programme is such that decision making is left as late as possible to give you ample opportunity to consider your choices for the future.

In making the choice between BSc and MChem, you need to consider how useful the additional MChem year will be in preparing you for your likely career, and whether it provides experiences and challenges that will be interesting and worthwhile. The choice between MChem and BSc can be left until the end of Year 2.

Our programmes are designed to allow you to specialise in the following areas.

### BSc/MChem Chemistry

This is a mainstream Chemistry programme, enabling you to learn about all aspects of modern chemistry, but also giving you the opportunity to specialise in areas of your choice through option modules. The modules cover a wide range of topics, eg Catalysis – From Fundamentals to Catalytic Converters, Analytical and Forensic Chemistry, Reactivity – Pathways and Intermediates, and The Material World – Advanced Nanomaterials. In the Analytical and Forensic Chemistry option you will be able to learn how modern spectroscopic and chromatographic techniques can be developed to determine the composition of complex biological mixtures. In contrast the Reactivity – Pathways and Intermediates option describes how molecules, which only exist for a fraction of a second, may be characterised. The Material World – Advanced Nanomaterials option explores the latest advances in materials technology such as liquid crystals, biopolymers and nanomaterials.

### BSc/MChem Chemistry, Management and Industry

Using the knowledge gained from the core Chemistry modules, this programme will enable you to learn about chemistry in a commercial context, eg modules in Managerial Economics, Management and Industry and Clean Technology – Greener Chemical Processing, which are taught in a chemistry context. Clean Technology explores the effect of legislation, economic pressure and public concern in driving the move towards cleaner manufacturing processes. The emphasis is on sources of renewable energy, the improvement of existing technology and the life-cycle analysis of products. Also included are site visits, planned to highlight particular themes of importance in the programme.

## BSc/MChem Chemistry, Resources and the Environment

This programme builds on your core Chemistry modules to give you the opportunity to learn about the chemical basis of the environment and how we impact upon it, eg modules in Dynamic Earth – Biogeochemistry and Paleoclimate, and Atmospheric Chemistry and Climate, which provide the background, at a chemical level, for many of the critical environmental issues we face. This includes studying the chemical composition of the atmosphere and the impact of potential climate change. Some lecture programmes include fieldwork.

## BSc/MChem Chemistry, Biological and Medicinal Chemistry

This is a programme about the chemistry of life. It provides the opportunity to learn about the chemistry of biological systems and the way this chemistry impacts on the body's ability to combat disease, and how medicines can be designed for effective treatment, eg modules in Proteins in 3D, Proteins in Action, Bioinspired Chemistry and Chemistry and Disease – Introduction to Medicinal Chemistry. For example, the Chemistry and Disease – Introduction to Medicinal Chemistry option describes the development of chemotherapy and our understanding of the way in which drugs interact with the whole body. Techniques such as photodynamic therapy and the controlled release of drugs are covered, together with

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 *I chose York because of the broad and interesting variety of modules. I especially loved the first year integrated practical, a group project where we analysed the contents of what you consume on a night out. It was great fun working as a team to use the practical and analytical techniques we had learnt throughout the year, and noticeably increased my capacity for problem solving and independent research."*

Hannah (MChem Chemistry, Biological and Medicinal Chemistry, 2nd year)

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the problem of bacterial resistance. The Chemistry and Disease – Advanced Medicinal Chemistry option teaches you about strategies for drug design and how molecular modelling can be used to understand the mode of action of the target molecule to which the drug must bind.

Whatever programme you decide to apply for, we emphasise three things:

- Any decision on an area of specialisation that you make at this stage is only a provisional one.
- You will not have to make a final choice of options for a given year until towards the end of the previous year.
- You are in no way restricted to our recommended combinations of options.

In order to keep teaching as fresh as possible, programmes are regularly updated.

## WHAT YOU STUDY

In Year 1 all students take a common set of core modules each of which integrates the major areas of Chemistry: Organic, Inorganic, Physical, Analytical, Theoretical and Biological. This programme is supplemented by practical work and a series of ancillary courses, taught by Chemistry staff, which cover related topics in Mathematics, Physics and Biology (for students who have not studied these subjects at A level or equivalent).

Approximately three quarters of Year 2 is made up of core Chemistry modules and practical work is common to all Chemistry programmes. The remainder consists of option modules chosen by you towards the end of Year 1. Option modules are self-contained although they clearly relate to core Chemistry.

In Year 3 the BSc and MChem programmes diverge. All students still take the same series of core and option modules (which are chosen towards the end of Year 2). Students on the BSc programme carry out research-based work, whereas MChem students take an advanced practical project designed to further the skills needed in a research environment.

The major component for MChem students in Year 4 is a research project undertaken at York, in one of our partner institutions abroad, or as part of a year spent in industry – if you spend a year in industry, the company normally pays you a salary. Study in Year 4 in industry also involves distance-learning courses delivered via Yorkshare (the University of York's virtual learning environment, VLE) on advanced chemistry topics, whereas students at our partner universities may choose from the lecture courses those universities offer.

We are currently refreshing our choice of option modules for 2017 entry onwards; please see our website for details.

Year	Core Chemistry (2015/16 programme structure)	Additional studies
1	<p><i>Topics include:</i></p> <ul style="list-style-type: none"> <li>Principles of Atomic Structure and Bonding</li> <li>Modern Spectroscopic and Analytical Techniques</li> <li>Fundamental Principles of Inorganic and Organic Chemistry</li> <li>Mathematics and IT for Chemistry</li> <li>Kinetics and Thermodynamic Aspects of Chemistry</li> </ul>	Skills programmes in chemical aspects of Mathematics, Biology and Physics for students who have not taken these topics at A level or equivalent
2	<p><i>Topics include:</i></p> <ul style="list-style-type: none"> <li>Surface Chemistry</li> <li>Polymer Chemistry</li> <li>Structure, Bonding and Reactivity in Transition Metal Chemistry</li> <li>Symmetry and Its Applications in Chemistry</li> <li>Organic Synthesis</li> <li>Biological Chemistry</li> </ul>	<p><i>Option modules currently include:</i></p> <ul style="list-style-type: none"> <li>Catalysis – From Fundamentals to Catalytic Converters</li> <li>Managerial Economics</li> <li>Dynamic Earth – Origins and Evolution</li> <li>Chemistry and Disease – Introduction to Medicinal Chemistry</li> <li>The Material World – An Introduction to Materials Chemistry</li> <li>Clean Technology – Energy and the Environment</li> <li>Proteins in 3D</li> </ul>
3	<p><i>Topics include:</i></p> <ul style="list-style-type: none"> <li>The Chemistry of the Lanthanides and Actinides</li> <li>Supramolecular Chemistry</li> <li>Materials and Nanoparticles</li> <li>Asymmetric Synthesis in Organic Chemistry</li> <li>Modern Diffraction Techniques</li> <li>Advanced NMR Spectroscopy</li> <li>Structures of Natural Products</li> <li>Computational Chemistry</li> <li>Synthetic Frontiers of Inorganic Chemistry and Ligand Design</li> </ul>	<p><i>Option modules currently include:</i></p> <ul style="list-style-type: none"> <li>Reactivity – Pathways and Intermediates</li> <li>The Material World – Advanced Nanomaterials</li> <li>Management and Industry</li> <li>Greener Chemical Processing</li> <li>Dynamic Earth – Biogeochemistry and Paleoclimate</li> <li>Atmospheric Chemistry and Climate</li> <li>Chemistry and Disease – Advanced Medicinal Chemistry</li> <li>Genes and Genetic Engineering</li> <li>Analytical and Forensic Chemistry</li> <li>Bioinspired Chemistry</li> </ul> <p><i>MChem</i></p> <ul style="list-style-type: none"> <li>Advanced practical techniques, spectroscopy and group exercises</li> </ul>
4	<p>120 credits in total for the year</p> <p>Research project at York, a university abroad or in industry</p>	<p><i>Advanced Chemistry topics currently include:</i></p> <ul style="list-style-type: none"> <li>Green Chemistry</li> <li>Quantum Chemistry</li> <li>Natural Product Chemistry</li> </ul>

## TEACHING AND LEARNING

### Lectures and tutorials

The principal method of teaching is through lectures, around eight per week, the size of which varies from over 180 students to as few as four or five for some option modules. Forming an important part of our programmes, weekly tutorials (in Years 1–3) develop a wide range of skills from problem solving to essay writing, or preparing a talk to give in the tutorial. Tutorials are used to reinforce topics covered in lectures, but they are also an opportunity for you to discuss aspects of the subject that interest you and ask about any problems you have encountered in your reading. Our small group teaching is done in the Department.

Tutorials relating to core modules are organised on a college basis. Each student and each tutor is a member of a Chemistry teaching college, and the five or six staff in your college will arrange your tutorial programme and guide your work. One of your college tutors will also act as your personal supervisor who monitors your academic progress and is available for more personal discussions. This continuity of teaching and the small size of the groups (currently four or five students) make it easier for you to get to know your tutors, and you are welcome to seek help from them whenever you need it. Tutorials and workshops for option modules are given by teaching staff running the options – this helps you to get to know those lecturers who specialise in the areas of your particular interest.

## Laboratory work

Practical chemistry complements your theoretical studies and constitutes most of the continuously assessed parts of your degree. A wide variety of experiments are carried out, from the synthesis of target compounds to a crime-scene investigation using forensic methodology. Our new and extensive state-of-the-art teaching laboratories (including 80 two-person fume cupboards) were opened in spring 2014. The laboratories include a computational lab and dedicated analysis labs, offering an extensive range of modern instrumentation, including spectrometers and chromatographic apparatus to identify and analyse compounds (we have invested around £350,000 in new instrumentation over the past four years). In practical classes, academic staff and postgraduate students supervise students.

Laboratory work carried out in Years 1 and 2 (typically eight hours each week) includes the following areas:

- modern organic and inorganic synthetic techniques
- chromatographic methods used in the separation and purification of reaction products
- spectroscopic techniques – infrared, ultraviolet, nuclear magnetic resonance and mass spectrometry used in chemical analysis and in the study of molecular structure
- kinetic and thermodynamic studies
- study of reaction mechanisms and intermediates.

Our practicals will also give you experience in handling and interpreting experimental data to illustrate how principles taught in lectures can be put to use.

We have developed our own online resources to support the teaching of introductory skills in practical chemistry.

## Group work

Other small group teaching involves case studies and exercises that develop your ability to work as a member of a team, on activities involving planning and decision making. These also give you practice in presentation skills, both through the production of posters and through giving talks in which you justify decisions and the reasoning behind them. Such skills, which are invaluable in career terms, are reinforced throughout the programme.

## Site visits

An important aspect of learning is the opportunity to see things for yourself. For much of the programme this can be done within the Department, but in the case of options relating to industrial chemistry we arrange for you to visit industrial companies, see the operations described in lectures being carried out, and talk to plant managers. Similarly, options in environmental chemistry involve visits and excursions.

## Research projects

Research is an essential part of university life and all of our undergraduate degrees have, as a vital component, a research project or research-based work. The research project is an opportunity to do a piece of original work in a particular area of chemistry chosen by you.

For those students studying for the MChem (York) programme, the project will be undertaken in one of our research laboratories, where you will have the chance to work alongside graduate students and you will have access to the state-of-the-art laboratories and instrumentation that the Department has to offer.

Students on the MChem abroad and MChem industry programmes also carry out research projects. Those at partner universities will conduct their work as if they were a student at their host university, though assessment of the project is carried out back at York. For students on industrial placement, the research project is largely directed by the company for which they work, typically over a period of 12 months. Around 50 companies, including all the large pharmaceutical companies in the UK, plus a number in Europe, support this popular scheme – companies seem to appreciate the extra maturity and the enhanced background in chemistry shown by Year 4 students. Students on programmes with an industrial placement are not guaranteed a placement but the Department will do all it can to find a suitable placement. Students who are not successful in obtaining a placement will be transferred to the Year in York programme.

BSc students interested in teaching as a career have the opportunity to do research-based work on developing new teaching materials.

The Department of Chemistry has its own Staff–Student Consultative Committee. Students put forward constructive criticisms and recommendations about their programmes, and play a part in the discussions involved in the revision of programmes.

## STUDY ABROAD

The development of the European Union has increased the demand for Chemistry graduates who are fluent in a second language and who have direct experience of living in another culture. Our student exchanges bring students from other universities to York, and provide you with the opportunity to apply to spend an academic year in Australia, Belgium, Canada, Finland, France, Germany, India, Italy, New Zealand, Singapore or Spain. The Department also continues to explore other possible exchanges.

## ASSESSMENT

Students are typically assessed through end-of-module examinations plus continuous assessment of practical work and/or coursework. For some modules, oral presentations are assessed, but tutorial work is not assessed for examination purposes, since tutorials are intended purely for teaching support.

Assessment in the first year does not count towards the final degree mark.

Year	Examinations	Assessed coursework
1	End-of-module examinations	Laboratory work
2	End-of-module examinations	Laboratory work in core Chemistry Coursework related to options
3	End-of-module examinations	Coursework related to options <i>For BSc students:</i> Research-based work and group exercises <i>For MChem students:</i> Advanced techniques practical course, group exercises and spectroscopy
4	End-of-module examinations	Research project (report and oral examination)

## BURSARIES

The Department typically offers a minimum of ten scholarships for UK-based students and up to ten scholarships for overseas students ([york.ac.uk/chemistry/undergraduate/sponsorship](http://york.ac.uk/chemistry/undergraduate/sponsorship)). All Chemistry students also receive a Teaching Package free of charge, which includes lab specs, a lab coat, a full set of laboratory equipment, lecture handouts for all courses, a molecular model set, affiliate membership of the RSC for one year, a Chemistry data book, detailed laboratory scripts, a copy of our Year 1 recommended textbook and membership of York ChemSoc for one year. The Department also offers at least 15 vacation research bursaries, for our first and second year students. This helps our students further their practical skills and develop their research interests, and experience life in research labs.

## ADMISSIONS

We consider all applications on their merits and therefore the exact nature of offers can vary to match individual cases. We select applications on the basis of student potential and will take account of evidence of educational, social, health or other personal disadvantage.

Offers to applicants for the MChem programmes are the same as for BSc programmes, except that applicants wishing to be considered for the year abroad programme

are generally expected to have a minimum of GCSE grade B in the appropriate language (except in Australia, Canada, Finland, India, New Zealand and Singapore).

Applications from overseas students are welcome and, in most cases, an English language qualification, typically a score of 6.5 in the IELTS test, will be required.

For applicants who are based in the UK, it is our policy not to make offers without interview. The interview day is not only aimed at learning more about you, it is very much an opportunity for you to see the campus and Department and the teaching facilities we have to offer, and to meet members of staff.

If you would prefer to visit us during the summer before you submit your UCAS application, you are welcome to do so. The Department also runs pre-application visit days – for further details, please see our website.

## WHAT OUR GRADUATES DO

Although the majority of our graduates progress to become scientists, the analytical and transferable skills that constitute part of our degrees are recognised as suitable training for a wide range of careers. We run a careers day when we invite recent graduates to talk about their current employment.

About 40 graduates per year stay in the Department or join other universities to work for higher degrees – the majority are involved in collaborative research projects, many with chemical companies.

Chemistry at York typically has an excellent 'positive destination' rate, that is, the proportion of students who either continue their studies or go into permanent employment. Our graduates also achieve a high rating in the quality of their employment, typically with over 70 per cent entering professions in the top three occupational classes.

Examples of recent graduate employment include:

- Chemistry Technician
- Business Development Manager
- Patent Attorney
- Analytical Chemist
- Web Developer
- Energy Analyst

for a wide range of employers, such as:

- GlaxoSmithKline
- Royal Society of Chemistry
- Unilever
- Reckitt Benckiser
- Babcock
- KPMG.

# Computer Science

More than 90 per cent of our employed graduates go into professional or managerial positions within six months of graduating

## Programmes

UCAS

<b>BEng/BSc Computer Science</b>	G400	<b>MEng Computer Science with Embedded Systems Engineering</b> (4 year)	G412
<b>BEng/BSc Computer Science</b> with a year in industry (4 year)	G401	<b>MEng Computer Science with Embedded Systems Engineering</b> with a year in industry (5 year)	G413
<b>MEng Computer Science</b> (4 year)	I102	<b>BSc Computer Science/Mathematics</b> (Equal)	GG41
<b>MEng Computer Science</b> with a year in industry (5 year)	I103	<b>BSc Computer Science/Mathematics</b> (Equal) with a year in industry (4 year)	GGK1
<b>MEng Computer Science with Artificial Intelligence</b> (4 year)	G4G7	<b>MMath Mathematics/Computer Science</b> (Equal) (4 year)	GG14
<b>MEng Computer Science with Artificial Intelligence</b> with a year in industry (5 year)	G4GR	<b>MMath Mathematics/Computer Science</b> (Equal) with a year in industry (5 year)	GG1K
<b>BEng Computer Science with Embedded Systems Engineering</b>	G410	<i>Courses are three-year programmes unless otherwise stated</i>	
<b>BEng Computer Science with Embedded Systems Engineering</b> with a year in industry (4 year)	G411		

### KEY FACTS

#### Admissions Tutor

Dr William Smith

#### Telephone

+44 (0)1904 325412

#### Website

[cs.york.ac.uk](http://cs.york.ac.uk)

#### Email

[admissions@cs.york.ac.uk](mailto:admissions@cs.york.ac.uk)

**2015 Applications** 695

**2015 Admissions** 149

### TYPICAL OFFERS

#### A levels

BEng/BSc: AAB/ABB including Mathematics

MEng/MMath: AAA/AAB including Mathematics

#### IB Diploma Programme

BEng/BSc: 35/34 points including 6 at HL in Mathematics

MEng/MMath: 36/35 points including 6 at HL in Mathematics

#### BTEC Extended Diploma

BEng/BSc: DDD/DDM, plus grade A/B in A level Mathematics

MEng/MMath: DDD, plus grade A in A level Mathematics

#### Other qualifications

For details of other acceptable qualifications go to [cs.york.ac.uk/undergraduate](http://cs.york.ac.uk/undergraduate)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Mathematics. Grade A required for combined courses with Mathematics

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING COMPUTER SCIENCE

For some people, use of computers starts and ends with the web, email and games. For others, it may extend to spreadsheets and databases. Computer Science is about something much more fundamental (and interesting!) than this and involves a broad range of topics, techniques and applications relating to the science and engineering of computer systems and computation. In addition to learning how to program computers in a principled way,

you will learn how typical computers are structured internally, how electronic circuits can implement computation, how operating systems such as Microsoft Windows can schedule several programs to run at the same time and how computers communicate with each other over networks, such as the internet.

In more advanced study, you can learn how to embed computing devices into larger systems to make them operate more efficiently (for example, a car engine management system) or intelligently (for example,

a microwave oven that senses when an item is cooked). Such systems are called 'embedded systems'. You can learn about artificial intelligence for games, robots or expert systems that can, for example, perform medical diagnosis from a pattern of physical symptoms. You can learn about designing computer systems with digital camera inputs, which can recognise images, such as an image of your face, or with microphone inputs, which can recognise and understand what you are saying. You can learn how to build better human-computer interfaces, which do not use a keyboard or mouse, or ubiquitous devices, where the interface is invisible to the user.

There are endless possibilities to exercise your technical ability and creativity and, on graduating, you will be well qualified for a career not only in the IT sector, but also in science, engineering and other sectors, such as the financial sector, where your sharpened numeracy and analytical skills will be invaluable.

## COMPUTER SCIENCE AT YORK

The Department of Computer Science at York is one of the most highly regarded in the UK. In the 2014 Research Excellence Framework assessment, 90 per cent of the Department's research activity was rated as 'world-leading' or 'internationally excellent'. We receive high scores in student satisfaction for the quality of our courses, the academic support available and our specialised facilities. We are ranked 11th in *The Times* and *The Sunday Times Good University Guide 2016*.

As a successful York Computer Science graduate, you will be highly sought after by a wide variety of employers. The combination of our collaboration with industry and state-of-the-art facilities ensures our students are up to date on current trends, reflected in our excellent employment statistics. Taking a year in industry with any of our courses also gives you a head start in the jobs market – many of our placement students secure a job offer from their placement provider before graduation.

At York, Computer Science is taught as a broad subject, where you cover theory as well as practice, and hardware (electronics) as well as software (programs) and how they integrate in the design of systems. The early part of each of our degree courses is core Computer Science, which gives you a solid foundation in the subject. The structure in later years allows you to select from modules that are closely related to the cutting-edge research activity in the Department. This allows you to sharpen your focus on what interests you and allows a greater exercise of your creativity. This is especially true of the final year individual project in which your own particular interests can be given full rein. During your time with us, you will have access to excellent computing and other laboratory facilities, which we update regularly.

Our purpose-built accommodation on Heslington East includes large dedicated laboratory spaces for undergraduate students accessible 24 hours a day, seven days a week.

## OUR COURSES

You can study Computer Science at York in three ways. You can choose to study Computer Science as a single subject, where you can cover the broad range of what the discipline has to offer.

Alternatively, you can choose to specialise in an area of Computer Science, and we offer two degree courses that specialise in Artificial Intelligence or Embedded Systems Engineering.

You can also choose to combine your study of Computer Science with another subject – currently we offer joint degrees with Mathematics. You study both Computer Science and Mathematics equally initially, and you can then choose to specialise more in either subject in the later years of your degree.

All of our courses can be studied either with or without a year in industry after the second year of study. If you take a year in industry, the total duration of a Masters course is five years and of a Bachelors course is four years.

### Single subject Computer Science

Choose either:

- **MEng Computer Science**, a four-year Masters course
- **BEng or BSc Computer Science**, a three-year Bachelors course.

In both courses, you study the full breadth of Computer Science, including software (programs) and hardware (electronics) and how they are integrated into the design of systems. You do not just learn what others have done so you can do the same; we teach you to be innovative. In the fourth year of the Masters course, you can study topics from the latest cutting-edge research being undertaken in the Department.

### Computer Science with a specialism

Our courses with a specialism also provide a solid foundation of core Computer Science material.

- **MEng Computer Science with Artificial Intelligence**  
This is only available as a Masters course and you investigate how human reasoning and behaviour can be imitated, and even surpassed, by computer systems, for example in language understanding, vision and games.
- **MEng Computer Science with Embedded Systems Engineering**, a four-year Masters course
- **BEng Computer Science with Embedded Systems Engineering**, a three-year Bachelors course.

You will learn how software and hardware can be embedded, for example within smart phones and media devices, cars and medical equipment. Here, there is an emphasis on the design and development of encapsulated computing systems dedicated to the control of specific devices, appliances or machinery.

All of the above have a common first year, so you can switch between these courses at any time before your second year of study.

## Computer Science and Mathematics

We offer the following courses combined with Mathematics:

- **MMath Mathematics/Computer Science**, a four-year Masters course
- **BSc Computer Science/Mathematics**, a three-year Bachelors course.

Computer Science has Mathematics as its foundation. In the first two years of study, the split across Computer Science and Mathematics is equal. In later years, there is choice both in the ratio of each subject and in the options that are chosen from each department. You will cover the connections between the two subjects, and develop both sets of intellectual and transferable skills. See also the Mathematics entry on page 138.

### Masters or Bachelors course?

A Bachelors course consists of three years of study incorporating core topics in the first two years and more advanced elements in the third year. A Masters course provides the benefit of a fourth year, allowing you to study more topics at a deeper level, thus connecting you with the cutting edge of current research. From our flagship MEng in Computer Science, more students go on to employment or further study within six months of graduating than BEng students. Our Computer Science MEng courses are eligible for full accreditation by the Institution of Engineering and Technology (IET) and by the British Computer Society (BCS), while BEng courses carry partial accreditation. All of our courses, except our combined courses with Mathematics, carry accreditation by both institutions.

### The option of a year in industry

Courses with a year in industry offer rewarding (and paid) work experience between your second and third years of study, where you can exercise your technical skills in a professional environment. In addition, this can lead to final year sponsorship and ideas for your final year project. You can choose to take a year in industry with all of our courses. You will be well supported throughout the placement, both by the Department and by a personal supervisor within your placement

organisation. All placements are salaried, currently in the range of £15,000 to £35,000 per annum. Airbus, IBM, Mercedes AMG Petronas F1 Team and BAE Systems are just a few examples of companies who have offered our students placements. For more companies and student views on placements, please visit [cs.york.ac.uk/undergraduate/placement](http://cs.york.ac.uk/undergraduate/placement).

We encourage you to take a year in industry. The industrial experience, when added to your academic experience, gives you an advantage when applying for jobs after graduation. Students who choose a year in industry also show an improvement in their grades when they return to study, and many even secure a job offer before they finish their degree.

We manage the whole process of finding you a placement. Our dedicated Industrial Placements Co-ordinator brings world-class companies onto campus to help you choose where to spend your year. He will also help you with your CV, give interview tips and visit and support you in the workplace to ensure you get the most from your year in industry. The placement is a structured training programme, recorded by the University, which counts for part of the training you need to become a Chartered Engineer (CEng).

Students on programmes with an industrial placement are not guaranteed a placement but the Department will do all it can to find a suitable placement. Students who are not successful in obtaining a placement will be transferred to the standard programme.

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 *Computer Science is often software-centric, but I like how York balances this with a focus on hardware. My first year highlight was the Raspberry Pi Challenge in which each student was given a Raspberry Pi single board computer to put to an innovative use. I created a near field communication system so people could use their phones as locker keys. The Department ethos is first class: informal but hard-working."*

Jashan (MEng Computer Science with Artificial Intelligence, 2nd year)

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## WHAT YOU STUDY

The first year of all of our courses lays the foundation for the study of Computer Science. You will study modules on:

1. Programming concepts
2. Mathematical and theoretical foundations of Computer Science
3. Computer architecture
4. Skills training for Computer Scientists.

In addition (with the exception of combined Computer Science and Mathematics), you will take the following:

5. Further study in mathematical and theoretical foundations of Computer Science
6. Analogue and digital electronics
7. Human–computer interfaces.

The second year extends the foundational aspects taught in the first year and introduces opportunities to focus on hardware architectures, software engineering and specialist areas, such as artificial intelligence, computer graphics and computer vision. Unless you are on a combined Computer Science course with Mathematics, you will undertake at least one team project, constructing either a hardware system or an engineered software application.

In the third and fourth years, there is a wide variety of modules to choose from, in areas such as artificial intelligence, advanced computer architectures, computer vision, human–computer interaction, programming languages, pattern recognition, information systems, non-standard computation, real-time systems and high integrity systems, all of which are closely related to the cutting-edge research activity in the Department. This guarantees both the academic excellence of the content and the freshness of delivery. Finally, both individual and group project work form an important part of your final year of study. Some recent individual final year project titles include: 'Survival of a Lego Robot', 'Real-Time Hand Gesture Recognition from Video' and 'Recognising Bots in First-Person Shooter Games'.

If you would like fuller details on all of our degree courses, visit [cs.york.ac.uk/undergraduate](http://cs.york.ac.uk/undergraduate).

## TEACHING AND LEARNING

You will be taught through a series of one-hour lectures, with associated laboratory practical classes, problem classes and programming classes. In the first year, we also run small team sessions to allow you to develop the skills, knowledge and independent learning appropriate for a new Computer Science student. We call this the SKIL module.

In a typical week, you may have about 20 contact hours of study, which could break down as 13 hours of lectures, six hours of practical or programming class and one hour of SKIL (or, later, individual research project supervision). As part of this module you will attend small group tutorials, where you can discuss wider issues and have a forum for one-on-one support.

During your practical sessions, you will work individually, in pairs and in small teams.

Exercises carried out in unscheduled time, such as the writing of essays and programs, play an important role; such activities are allowed for in your workload. There are problem classes in the second year and weekly, individual project supervisions in the third and fourth years.

Each student has a personal supervisor, who is responsible for guiding his or her studies. You will meet with your supervisor on an individual basis at the start and end of every term, but you can also meet them at other times, whenever you need to do so. Throughout the course, you are encouraged to reflect on your own approach to study and to develop your study skills.

## STUDY ABROAD

The University runs an overseas exchange scheme, where you can apply to spend a year studying in North America, South Africa, Asia or Australia. The year abroad replaces the corresponding year of your degree programme at York, and the marks obtained abroad count towards the classification of the York degree. The Centre for Global Programmes manages and coordinates incoming and outgoing study abroad opportunities for York students. Further information on the worldwide programme is available at [york.ac.uk/ug-study-abroad](http://york.ac.uk/ug-study-abroad).

## ASSESSMENT

All assessments, except in the final year, are qualifying assessments which you must pass in order to continue into the next year of study. Approximately 60 per cent of your degree will be assessed by means of closed examinations. In addition there is a range of programming assignments, demonstrations and project reports associated with modules, to be carried out in unrestricted conditions with a time limit ranging from a week to several weeks. These are known collectively as open assessments and make up the remaining 40 per cent of assessment. The most significant open assessment in terms of the contribution to your final mark will be the report of your final year individual project.

## SCHOLARSHIPS

We offer a number of scholarships to the most outstanding students entering the Department each year.

These scholarships are sponsored by IBM, and give access to opportunities such as summer internships, IBM-specified project work as part of your degree and the chance to apply for a graduate job with IBM at the end of your degree. You will also have access to a mentor, based in IBM's York office within the Department, throughout your course. It is a fantastic opportunity to build a relationship with an industry world leader, while strengthening your CV and employability.

No separate application is necessary. We assess your grades, your performance at interview (if applicable), and any other indicator of your academic or creative excellence.

The IET and BCS also offer bursaries for students entering the study of Computer Science. Find out more at [cs.york.ac.uk/undergraduate/ug-scholarships](http://cs.york.ac.uk/undergraduate/ug-scholarships).

## ADMISSIONS

If we receive your application form and are impressed by your grades, personal statement and references, we will invite you to attend an interview. Alongside your UCAS application form, your performance at interview is one of the factors we consider when making a decision on your application, and will have an impact on the level of offer that we may give you.

In the case of applicants living outside the UK, a decision will be made based on your application.

### Mature applicants

The Department welcomes applications from mature candidates. However, you will still need a high-level qualification in Mathematics. Mature applicants should contact the Admissions Tutor for an informal discussion before applying.

## WHAT OUR GRADUATES DO

You will graduate with a variety of skills attractive to a wide range of employers. The demand for computer scientists and software engineers from the rapidly expanding field of information technology has created job opportunities within a broad cross-section of employers, particularly in the electronics and software industries. Other graduates take advantage of the continuing expansion in the use of computers in commercial and financial operations to find employment. Here, your excellent numeracy and analytical skills will have prepared you well.

A recent destination survey of graduates with Computer Science degrees has shown that over 90 per cent of our employed graduates go into professional or managerial positions within six months of graduating.

On average, our graduates earn £26,000 within six months of graduating.

Examples of recent graduate employment include:

- Technology Analyst
- Software Developer
- Systems Administrator
- Implementation Consultant
- Games Programmer
- IT Specialist

for a wide range of employers, such as:

- Goldman Sachs
- Morgan Stanley
- Fidelity
- Thales UK
- Mitsubishi UFJ Securities International
- Imagination Technologies.

# Economics and Related Studies

*Economics at York is a large, diverse and international department, with a distinguished and stimulating environment for research and study*

Programmes	UCAS
<b>BSc Economics</b>	L100
<b>BSc Economics and Finance</b>	L112
<b>BSc Economics and Econometrics</b>	L144
<b>BSc Economics, Econometrics and Finance</b>	L124
<b>BA History/Economics</b> (Equal)	VL11
<b>BSc Economics/Mathematics</b> (Equal)	LG11
<b>BSc Mathematics/Finance</b> (Equal)	GL11
Combined programmes in the School of Politics, Economics and Philosophy – see page 176	
<b>BA Economics/Philosophy</b> (Equal)	LV15
<b>BA Economics/Politics</b> (Equal)	LL12
<b>BA Philosophy, Politics and Economics</b>	LOVO

*Courses are three-year programmes unless otherwise stated*

## KEY FACTS

### Admissions Tutor

Dr Michael Thornton

### Telephone

+44 (0)1904 323788

### Website

[york.ac.uk/economics](http://york.ac.uk/economics)

Email [econ-ug-admissions@york.ac.uk](mailto:econ-ug-admissions@york.ac.uk)

[york.ac.uk](http://york.ac.uk)

**2015 Applications** 561

**2015 Admissions** 161

## TYPICAL OFFERS

### A levels AAA/AAB

See page 176 for the School of PEP

### IB Diploma Programme

36 points including 6 in all Higher level subjects (may vary for combined programmes)

### BTEC Extended Diploma

DDD (may vary for combined programmes)

## Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

## Mature students

Applications from mature students are welcomed and considered individually

## ESSENTIAL SUBJECTS

### Mathematics

See page 176 for the School of PEP

History and Mathematics for VL11

## ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING ECONOMICS

Economics is the analysis of incentives in social situations. This includes the study of production, distribution and consumption of goods and services. Economics explains how economic systems work and the relations between economic players in the larger society. Methods of economic analysis have been applied to fields like finance, industrial organisation, labour, politics, education, health, law and other social institutions.

## ECONOMICS AT YORK

As one of the largest and most active in the country, the Department of Economics at York has an outstanding international reputation for both research and teaching.

It includes economists, econometricians, statisticians and economic historians. Our undergraduates come from many different backgrounds and from all parts of the UK and abroad.

In the 2014 Research Excellence Framework assessment, the Department was ranked eighth for the impact of its research. In the 2012 Tilburg University ranking of Economics departments we were ranked ninth among UK departments and 79th worldwide. We were in the top 10 in the UK and the top 100 in the world in the 2015 QS World University rankings.

The size of the Department and the diversity of expertise of the staff enable us to offer you a wide choice of high quality modules, especially in Years 2 and 3 of each degree. Our research ranking means that you are taught

by those in the forefront of their subject. Our central objective is to combine the advantages of a large department with a commitment to personal teaching and supervision.

Students in the Department also have the opportunity of studying abroad. The University's exchange schemes allow some students to spend part or all of (normally) their second year at one of a number of other universities in Europe, North America and Asia. There are exchange schemes with, for example, the University of Denver, York University, Ontario and the National University of Singapore.

Economics is an international discipline and economic issues have global impact. You can see this internationalism reflected at York in the origins of staff and students and in the scope of our programmes.

## OUR PROGRAMMES

We offer a number of different degree programmes within the Department and have combined degrees with the Departments of History, Mathematics, Politics and Philosophy. Below we provide an overview of the different programmes so that you can begin to identify the one that interests you the most.

## WHAT YOU STUDY

Our programmes begin with a broad and well-structured first year, designed to enable you to proceed into the more flexible second and third years with a solid base for progression. Alongside the Economics modules you study, you will take Mathematics and Statistics modules in Year 1. Skills in both are valuable in all of our programmes.

The programme descriptions below make regular reference to optional modules. Here are some examples of the modules currently available.

### Year 2 options

- Commodity Markets
- Cost–Benefit Analysis
- Development Economics
- Dynamic Modelling
- Econometric Theory
- Economics of Population
- Financial Economics and Capital Markets
- Introduction to Accountancy
- Making Poverty History
- Mathematics 2.

### Year 3 options

- Alternative Perspectives in Economics
- Applied Econometrics
- Applied Economics
- Econometric Methods for Research
- Economics of Social Policy
- Experimental Economics
- Health Economics
- Industrial Economics
- International Economic Growth and Development
- International Economics
- Introduction to Time Series and Financial Econometrics
- Labour Economics
- Mathematical Economics
- Monetary Economics
- Political Economics
- Structure and Regulation of Financial Markets.

For the most up-to-date module list please refer to the Department's website and follow the link: [york.ac.uk/economics/undergraduate](http://york.ac.uk/economics/undergraduate).

Some of our students are also interested in learning or improving a modern foreign language, with an eye to future international careers. The University's Languages for All programme (see page 17) provides the opportunity to do so alongside your degree studies.

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 *I have really enjoyed the variety of work, from learning economic models which illustrate the relationships between variables like inflation and unemployment, to using econometrics to test these relationships, and considering problems in international development. Knowing that everything I have learnt can be applied to the real world is immensely rewarding."*

Usama (BSc Economics, 3rd year)

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## BSc Economics

The first year is relatively broad, introducing students to the basic tools and techniques used in Economics, including Economic History, Statistics and Mathematics. In Years 2 and 3 you consolidate and expand the tools and techniques required by all economists, so in the second year you take further modules in Microeconomics, Macroeconomics, Mathematics, Econometrics and Economic History. You then select modules from the extensive list shown on our website. In the third year you can tailor your programme from options built around pathways in Economic Theory; Econometrics; Finance; Microeconomic Applications; Macroeconomics, Growth and Development; and Public Policy.

## BSc Economics and Finance

There are excellent career prospects arising from this popular degree, which combines financial analysis with the insights and techniques of the economist. The first year is similar to the Economics degree above. In the second year you take modules in Microeconomics, Macroeconomics and Econometrics. In addition to these core courses in economic analysis the second year contains modules in Accountancy and Financial Economics. You also select further modules and examples of current modules are shown on our website. In the third year you study the Structure and Regulation of Financial Markets and Principles of Corporate Finance. You also choose modules from a prescribed list of choices.

### Degrees with Econometrics

If you think that your career will involve data-based research or making policy decisions based on research then the specialist degrees Economics and Econometrics, and Economics, Econometrics and Finance are for you. These will teach you to appreciate and to use the methods that professional economists apply to model the economy and to test theories against evidence. The training provided is thorough and is designed for students with an aptitude for mathematics and statistics. So, if you have the right background and motivation, you should be thinking about degrees that combine Economics with Econometrics.

## BSc Economics and Econometrics

The first year is similar to the Economics degree above. In the second year you take modules in Microeconomics, Macroeconomics, Econometric Theory and Econometrics for Economists. Additionally, you choose some modules from a prescribed list. Examples of current modules are shown on our website. In your third year you will take modules in Financial Econometrics and Econometric Methods for Research. You then select further modules and examples of those currently available are given on our website.

## BSc Economics, Econometrics and Finance

The first year is similar to the Economics degree above. In the second year you take modules in Microeconomics, Macroeconomics, Econometric Theory and Econometrics for Economists, and modules in Accountancy, Financial Economics and Capital Markets. In your third year you will take Principles of Corporate Finance and further modules: Econometric Methods for Research, Structure and Regulation of Financial Markets and Financial Econometrics.

### Combined degrees with Economics

In the first year you take a mix of introductory Economics modules and modules from your other chosen subject area. In the second year you will take modules in Microeconomics and Macroeconomics alongside, for most programmes, Econometrics. You can tailor your third year programme from an extensive list of optional modules. If you are studying Mathematics and Finance, you take the core modules in finance in the second and third years.

## BA History/Economics (Equal)

The ability to draw conclusions from past economic events is an important skill for all economists. This joint degree combines the two disciplines in an intellectually challenging course that develops practical and theoretical skills much sought after by employers. Using innovative student-centred teaching methods on a diverse portfolio of modules, the degree provides advanced training in techniques of qualitative and quantitative data analysis and develops excellent written and oral communication.

## BSc Economics/Mathematics (Equal)

Explicit modelling and understanding of the interactions within economies nowadays requires highly technical tools: Economics is becoming an increasingly mathematical subject.

This degree equips students with an economically relevant mathematical toolbox and applies it to solving problems in Economics. It is aimed at students planning to do technical work, such as designing analytical economic models and drawing from them conclusions, predictions and policy recommendations. For further information see the Mathematics entry on page 138.

## BSc Mathematics/Finance (Equal)

In this programme students take modules within mathematics, statistics and financial economics. Mathematical finance is an increasingly technical profession practised by people with a strong background in mathematical sciences because of their quantitative skills. For further information see page 138.

## Politics, Economics and Philosophy

For information on our combined degrees with Philosophy and Politics, see the separate section for the School of Politics, Economics and Philosophy, on page 176.

## Environment, Economics and Ecology

If you are particularly interested in the impact of economic development on environmental issues, you may like to explore the programme in Environment, Economics and Ecology in the Environment Department (see page 112).

## TEACHING AND LEARNING

All students have a supervisor responsible for their academic and general welfare throughout their time at York. You will have regular meetings with them to discuss feedback from course tutors and help with any difficulties you may have. Although our teaching and supervision arrangements are extensive, we encourage individual research. You are therefore expected, guided by tutors, to work intensively on your own. You will have to do some general reading as well as preparing for tutorial and seminar discussions and writing your essays. Most modules are taught at lectures and supporting tutorials and seminars. The exact mix varies between individual programmes.

Lectures set out the intellectual landscape of a topic or area of study, introduce unfamiliar material, and highlight difficult or controversial issues. Tutorials, of about 15 students, normally meet weekly. They examine, by discussion or exercises, topics related to a lecture course. Seminars, typically of about 15 students, are a forum for the analysis of particular topics and are usually introduced by students presenting papers to the group.

When you successfully complete the first year of any of the departmental degrees, you are normally free to transfer to another one within the Department. Many students do so as their interests develop.

## ASSESSMENT

Assessment methods are varied and assessment to measure progress takes place throughout the programme. Written procedural requirements, usually the submission of essays from tutorials, seminars or exercises, are returned with grades and comments. There is a wide variety of examinations within the Department. These are closed written examinations, open examinations where you have the full use of books and notes, written projects and long essays.

The final degree mark is based on the work you do in Years 2 and 3.

## ADMISSIONS

If you are self-motivated, self-disciplined and able to exercise independent judgement, do apply! If you are thinking of applying, but have some questions, then do please contact the Admissions Tutor who will be happy to help.

The information contained in the UCAS application, especially past examination performance and the reference, gives us a general indication of your academic potential. The vast majority of offers are made on the basis of all the evidence presented in the application. However, if your background and record are unusual, or cannot be adequately presented in the UCAS application, then you may be contacted by us for further information. Everyone who receives an offer is invited for a visit to the University and the Department. This enables you to see the campus and meet staff and – most importantly – current students.

Many students benefit from a gap year between school and university. We therefore welcome applications from those wishing to defer entry. You just need to apply in the usual way and indicate that you are seeking deferred entry.

For many years we have welcomed applications from mature students. Before making a decision we do take formal qualifications into account, but the lack of such qualifications is not necessarily a bar to entry. Motivation, enthusiasm and intellectual potential are what we are looking for and these can be demonstrated in various ways. If you are thinking of applying then do feel free to contact the Admissions Tutor for further information and guidance.



*The Economics course in York strikes a great balance between economic theory in the first two years and its application in the final year of study. My academic supervisor has been very supportive of my varied interests, encouraging me to pursue internships and embrace the amazing opportunities York has to offer, such as Arabic classes."*

Sharifah (BSc Economics, 3rd year)

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We welcome international students to our full-time degree programmes. Students from many nations of the developed and developing world have lived and worked happily at York, and obtained good degrees from the Department. International students are fully integrated into our degree programmes and treated no differently from home students. However, we do recognise their individual needs by assigning them to a specialist supervisor with experience of their particular requirements. The University provides courses in study skills and English for all those who would benefit from them, and also administers a scholarship fund for overseas students.

The Department welcomes undergraduate students from overseas universities who wish to spend up to a year in supervised study at York, alongside other undergraduates, before returning home to complete their degrees. A wide range of programmes is available, usually for a full academic year (October–June), which may involve courses from several departments. Visiting students are expected to complete the prescribed assessment. A full transcript of each student's academic record is supplied to the home university. Visiting students are assigned a specialist supervisor who is aware of their particular needs.

## WHAT OUR GRADUATES DO

Our commitment to research and to research-led teaching means students are taught by a diverse faculty of economists, econometricians, statisticians and economic historians at the forefront of their respective disciplines. The strong analytical, empirical and interpretative skills that our students develop are highly valuable to employers. Our focus on group teaching and close supervision enables our students to develop the verbal, presentational and teamwork skills that employers demand.

Outside their degrees, many of our students become involved in enterprise activities organised by student societies and by the White Rose Centre for Excellence in the Teaching and Learning of Enterprise, which is located at the University of York.

Endowed with a variety of skills, our graduates enjoy careers where independent and creative work is prized. Accountancy, banking, business, finance, law, the media, personnel departments, social work and teaching are just some of the career destinations of the Department's graduates over the past few years.

A good proportion of our graduates enter the graduate school at York, one of the largest in the country for postgraduate training and research.

Examples of recent graduate employment include:

- Business Development Manager
- Assistant Brand Manager
- Assistant Economist
- Global News Reporter
- Investment Banking Analyst
- Operations Analyst

for a wide range of employers, such as:

- Santander
- Nissan
- Network Rail
- Grant Thornton
- Government Economic Service
- deVere Group.

You'll be taught by academics who are passionate about their subject and global leaders in their field





# Education

*Education: you've experienced it – now why not find out how it works? York offers you the opportunity to investigate this richly diverse field of enquiry in the company of highly qualified teachers and researchers*

## Programmes

UCAS

<b>BA Education</b>	X300
<b>BA English in Education</b>	X302
<b>BSc Psychology in Education</b>	CX83
<b>BA Sociology/Education (Equal)</b>	LX33

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

**Admissions Tutor**  
Dr Amanda Naylor

**Telephone**  
+44 (0)1904 323457

**Website**  
[york.ac.uk/education](http://york.ac.uk/education)

**Email**  
[educ525@york.ac.uk](mailto:educ525@york.ac.uk)

**2015 Applications** 441

**2015 Admissions** 96

### TYPICAL OFFERS

**A levels**  
ABB for CX83, LX33  
BBB for X300, X302

**IB Diploma Programme**  
34/31 points

**BTEC Extended Diploma**  
DDM

### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

For CX83, at least one science (can include Psychology), and GCSE Mathematics, or equivalent  
CX83 excludes General Studies

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING EDUCATION

Education affects life chances in a very real sense, as well as being an important and intrinsically fascinating field of study. Why do we have it? Why is it so expensive? Why is it in the form it is? Why is the political focus so much on institutions and teaching rather than individuals and learners? Ultimately, who does the education system serve? Answering these questions involves delving into a wide range of disciplines and fields, including psychology, sociology, social policy, economics, politics, literature, philosophy and history.

## EDUCATION AT YORK

We offer a high quality teaching environment that allows for frequent interaction between students and lecturers. We are passionate about education: in the 2015 National Student Survey (NSS), 100 per cent of our students agreed that our staff are enthusiastic about what they teach. We are ranked in the top ten for Education in both the 2016 *Guardian University Guide* and the 2016 *Complete University Guide*. A vast number of topics can be covered

in your programme, such as the portrayal of schooling in books written for children; the educational needs of pupils with disabilities; the psychological processes involved in learning; the teaching methods used in primary schools; whether bullying can be prevented; how social class is related to educational opportunities; the rise of mass education in the 19th century; and the analysis of educational reforms and their political context. At York you can study Education from a variety of different perspectives and choose modules which cover your current interests or help you to develop new ones. In addition, you can choose to undertake a placement study which will provide you with the opportunity to gain an understanding of the work of an educational service. Note that the programmes do not include teacher training.

In the 2014 Research Excellence Framework assessment, the Department was ranked in the top ten for the proportion of its research designated as 'world-leading'. We emphasise excellence in teaching, including teaching by researchers who lead in their field. Our research extends from the psychology of disruptive behaviour

100 [york.ac.uk/education](http://york.ac.uk/education)

at school, to 'lad' culture and Shakespeare in Education, and much more.

### Developing employability skills

We run a number of initiatives designed to develop your academic, personal and employability skills. Important areas such as communication, analysis of data and ideas, computer literacy, networking, time management and project management are focused on through academic modules, careers workshops, employability fairs and unique employability and enrichment provision.

We are heavily invested in making our graduates employable, and weekly events and activities are organised to introduce our students to a range of skills, experiences and career pathways in education. We host guest speakers from educational consultancies, businesses, charities, local government and schools, providing you with numerous opportunities to seek advice, make contacts and gain inspiration.

You will complete and receive feedback on an Employability Plan as you progress through the degree, to record your employability skills and experiences, and to guide you in making career choices.

### Community-based learning

Our employability and enrichment provision is a dynamic community-based learning experience that is designed to allow you to put into practice the knowledge that you develop through your academic studies. You will apply to be linked with community partners for a five-week period during the Summer Term, in your first or second year, and undertake a wide range of group-based projects. These enable you to enhance your skills in a number of areas including team building, project management, planning, undertaking research and communicating to different audiences.



*I love the discursive nature of our lectures, which allow everyone to voice an opinion. The political side of the course fascinates me, and our module on new, alternative forms of education has given me a more progressive perspective. The size of the Department is a real bonus too. The staff get to know you quickly and are easy to get hold of."*

Tom (BA Education, 2nd year)

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### Student/staff communication

Excellent communication channels exist between students and staff, and there are opportunities for student representation on academic matters. We are friendly and accessible and our students are encouraged to share their views with the undergraduate teaching team. You will also communicate regularly with and be supported by an individual supervisor throughout your studies.

### Education Society

The Education Society is a student group that organises regular social, academic and careers events throughout the year. Within the Society, a peer support group offers information, advice and networking for our students.

## OUR PROGRAMMES

We offer single subject honours programmes in Education, English in Education and Psychology in Education. We also offer a combined programme in Sociology and Education.

## WHAT YOU STUDY

Our programmes introduce you to a range of theoretical perspectives and academic disciplines applied to the study of Education. Students are encouraged to keep up to date with current debates regarding educational theory, policy and practice. While our programmes do not include teacher training, many students go on to complete a postgraduate teaching qualification. The York Students in Schools scheme offers opportunities to build experience in schools.

The programmes fall into three stages designed to offer supported progression in both knowledge and skills. The aim of Stage 1 is to provide you with a unifying vision and perspective regarding education as a field of academic enquiry. All modules in Stage 1 are core and compulsory. The work for Stages 2 and 3, upon which the final degree classification is based, is made up of core and optional modules. In Stage 3 you complete an empirical dissertation based on personal research, supported by workshops and an academic supervisor. For a full list of the modules currently available please refer to the Department's undergraduate study web pages.

## BA Education

The BA Education programme explores the field of education from a variety of perspectives. The programme introduces you to diverse theoretical perspectives and academic disciplines applied to the study of Education and will encourage you to engage in critical reflection on the aims and values of education. It is designed to appeal to students who are interested in a range of roles within education, including consultancy, guidance and counselling, resource design and teaching.

## BA English in Education

The BA English in Education programme explores education specifically in relation to language and literature. You will learn about key educational issues, including how and why English language and literature are taught. You will also learn how to analyse representations of education in literature and think about their impact on people's perceptions of education. This programme is designed to appeal to students interested in primary or secondary English teaching, or in careers in the media, the arts or educational outreach.

## BSc Psychology in Education

The BSc Psychology in Education is a single honours programme that will appeal to students who have an interest in the application of psychological theory and practice to education. The course is accredited by the British Psychological Society. This accreditation is essential for subsequent postgraduate doctoral courses in Clinical and Educational Psychology. In addition you will explore a wide range of academic disciplines related to the study of Education. The Department has dedicated Psychology in Education lab facilities, which include the latest technology such as eye-tracking.

## BA Sociology/Education

The BA Sociology/Education is a combined joint honours degree programme that is specifically designed to appeal to students who have an interest in both the field of education and the discipline of sociology. The programme explores the field of education from a sociological perspective. In addition, you will be introduced to competing theoretical perspectives and academic disciplines applied to the study of Education. For further information see the Sociology entry on page 190.

## STUDY ABROAD

If you are interested in applying to spend some time overseas during your degree at York, we have Erasmus+ exchange links with universities in Europe. In addition, you can apply to study in Australia, South Africa, Asia or North America through the Centre for Global Programmes.

## ASSESSMENT

We use a wide range of assessments to help you develop various skills which are valued by employers. Modules are individually assessed as they are studied and grades are awarded on the basis of specified pieces of work such as essays, projects and reports. Tutors and supervisors provide written and oral feedback in order to help you to develop skills essential for your success within the degree programme and relevant to your future career.

## ADMISSIONS

We welcome applications from school leavers and mature students. We are looking for people who demonstrate a commitment to and a fascination with the study of Education in its many forms. General Studies is accepted for the BA programmes. Please check the website for current requirements regarding the Psychology in Education BSc programme. Students who intend to proceed to a PGCE course should be aware that GCSE or equivalent passes at Grade C or above in Mathematics and English Language and, for primary, a science, are required for all entrants to the teaching profession.

Your application form and personal statement should convince us that you have a commitment to the study of Education, the intellectual and organisational skills required to structure your time at university successfully and a willingness to engage creatively with tutors and fellow students in the debate about this diverse and fascinating subject. Single honours candidates who are made an offer are invited to attend a group visit. Some candidates with non-standard backgrounds may be invited for interview. In the case of candidates for the combined honours degree, admissions selectors read the application forms carefully and, in consultation with the Department of Sociology, may invite candidates for interview.

## WHAT OUR GRADUATES DO

Our programmes are designed to prepare you for a variety of careers, such as early years or primary teacher training, adult education, journalism, the Civil Service, educational research or publishing, among others. We work closely with the University Careers team.

All our programmes are academic degrees, not teacher training courses. Students who wish to teach in primary or secondary schools or adult education will need to take a postgraduate teacher training course (PGCE).

Examples of recent graduate employment include:

- Broadcast Editor
- Curriculum Leader
- Access Ambassador
- Youth Worker
- Teacher
- Education Consultant

for a wide range of employers, such as:

- Explore Learning
- Precise
- Girlguiding UK
- PushOn
- BMW
- Deloitte.

# Electronics

We aim to turn highly motivated students into innovative engineers who are able to design the next generation of electronics

## Programmes

## UCAS

<b>BEng Electronic Engineering</b>	H610	<b>BEng Electronic Engineering with Music Technology Systems</b>	H667	<b>MEng Electronic and Communication Engineering</b>	
<b>BEng Electronic Engineering with a year in industry (4 year)</b>	H611	<b>BEng Electronic Engineering with Music Technology Systems</b>		with a year in industry (5 year)	H628
<b>MEng Electronic Engineering (4 year)</b>	H609	with a year in industry (4 year)	H661	<b>BEng Electronic Engineering with Business Management</b>	H6N2
<b>MEng Electronic Engineering with a year in industry (5 year)</b>	H608	<b>MEng Electronic Engineering with Music Technology Systems</b>		<b>BEng Electronic Engineering with Business Management</b>	
<b>BEng Electronic and Computer Engineering</b>	H634	(4 year)	H669	with a year in industry (4 year)	H6N3
<b>BEng Electronic and Computer Engineering</b>		with a year in industry (5 year)	H668	<b>MEng Electronic Engineering with Business Management</b>	
with a year in industry (4 year)	H635	<b>BEng Music Technology Systems</b>		(4 year)	H6NG
<b>MEng Electronic and Computer Engineering (4 year)</b>	H639	with a year in industry (4 year)	H663	<b>MEng Electronic Engineering with Business Management</b>	
<b>MEng Electronic and Computer Engineering</b>		with a year in industry (5 year)	H664	with a year in industry (5 year)	H6NF
with a year in industry (4 year)	H638	<b>MEng Music Technology Systems (4 year)</b>	H666	<b>BEng Electronic Engineering with Foundation Year (4 year)</b>	H604
<b>BEng Electronic Engineering with Nanotechnology</b>	H6F3	<b>MEng Music Technology Systems</b>		<b>BEng Music Technology Systems with Foundation Year (4 year)</b>	H662
<b>BEng Electronic Engineering with Nanotechnology</b>		with a year in industry (5 year)	H665	Natural Sciences – see page 151	
with a year in industry (4 year)	H6F4	<b>BEng Electronic and Communication Engineering</b>	H621	<i>Courses are three-year programmes unless otherwise stated</i>	
<b>MEng Electronic Engineering with Nanotechnology (4 year)</b>	H6FH	<b>BEng Electronic and Communication Engineering</b>			
<b>MEng Electronic Engineering with Nanotechnology</b>		with a year in industry (4 year)	H622		
with a year in industry (5 year)	H6FG	<b>MEng Electronic and Communication Engineering (4 year)</b>	H629		

### KEY FACTS

#### Admissions Tutor

Dr John Szymanski

#### Telephone

+44 (0)1904 322365

#### Website

[york.ac.uk/electronics/undergraduate](http://york.ac.uk/electronics/undergraduate)

#### Email

[elec-ug-admissions@york.ac.uk](mailto:elec-ug-admissions@york.ac.uk)

**2015 Applications** 578

**2015 Admissions** 144

### TYPICAL OFFERS

#### A levels

BEng: ABB

MEng: AAA

#### IB Diploma Programme

BEng: 34 points

MEng: 36 points

#### BTEC Extended Diploma

BEng: DDM

MEng: DDD

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Mathematics and one of Physics/Electronics/Chemistry

Students with Mathematics but not Physics/Electronics/Chemistry will be considered for BEng (offer AAB)  
Excluding General Studies and Critical Thinking

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.0 with at least 5.5 in all units

## STUDYING ELECTRONICS

We are surrounded by electronics – in everything from computing to music, robotics to mobile communications, medicine to defence systems, artificial intelligence to aerospace. Engineers design the endless variety of electronics for society's ever-changing technological needs. This makes electronics the world's largest and fastest-growing industry, in which well-qualified graduates are in high demand.

Lighting, heating and alarm systems use sophisticated electronic control and sensor systems. Televisions and music systems bring performance to life, whether digitally transmitted or from high-definition media. Multiple computers can network wirelessly and access immense quantities of information from the internet. Mobile devices – phones, consoles and tablets – interact seamlessly and are rapidly merging.

Transport systems, from high-speed rail to jet fighters, depend completely on modern electronics. Aeroplanes have a mass of tightly integrated control, navigation and communications equipment. Cars run via electronics that regulate fuel injection and ignition timing, protect against theft and provide entertainment and navigation. They were assembled by robots directed by electronic control systems.

Hospitals bristle with electronics, helping ensure the patients' well-being, including lasers for surgery, body scanners and X-rays for rapid diagnosis, and automated blood and tissue analysis.

To create the technologies that make all this possible, we need highly trained electronics engineers. The study of Electronic Engineering extends from production of components and 'chips' through to the system designs that employ these to solve real-world problems. Virtually all electronic systems contain either a microprocessor or programmable device and so our programmes contain substantial elements of computing and software. Possible applications are endless, giving engineers exciting and challenging careers in which they can influence the shape of technologies in the future.

## ELECTRONICS AT YORK

Our programmes are designed to turn highly motivated and able students into practical and innovative engineers. We expect our graduates to be able to design the next generation of electronics.

All our programmes are accredited by the Institution of Engineering and Technology (IET), indicating that they are of the highest professional standard. Success at MEng level provides the academic qualification for subsequent entry to Chartered Engineer status or its European equivalent, Eur Ing. Our programmes are also recognised

by the European Federation of National Engineering Associations (FEANI) for registering graduates in the European Engineer Register.

We have given considerable thought to the way that we teach the subject to our students. This is reflected in York's consistently high rankings in the education league tables and National Student Survey. In the 2014 Research Excellence Framework assessment, 87 per cent of the Department's research activity was rated as 'world-leading' or 'internationally excellent'.

## OUR PROGRAMMES

The Department has a modular structure that offers a wide range of options, allowing students considerable flexibility. Years 1 and 2 are built from a common core while Years 3 and 4 offer more specialised modules allowing students to tailor the course to their specific interests and future career plans.

A sandwich year in industry is an option for all our programmes. Students can take a year in industry between their second and third years; MEng students can also take it before their final year. The Department has links with many companies and can help with sandwich years during the programme. Some students are sponsored during later years and undertake industrial placements.

First year modules provide a solid foundation in electronic principles, circuits, components and devices. Application is seen through the design and fabrication of complete products in the laboratory and in group projects. All modules contain a substantial element of mathematics and computing, such as the computer programming language C.

The second year involves students in the analysis and design of hardware and software systems. Material includes theory and application of data structures and algorithms, electromagnetism and Java programming. Laboratory work allows practical experience and develops crucial design skills. There is also a larger-scale more advanced group design and construction project.

Third year BEng students study a range of options depending on their programme. They also carry out their major individual project in parallel with these specialised modules.

MEng students study a range of advanced options in their final two years. In their third year, they undertake a substantial group software engineering project. This is followed by their major individual project, which they undertake during the final year.

Examples of current third year modules include Software Systems in Distributed Environments, Analogue Controllers, Mobile Communication Systems, iOS Audio Programming, Management and Marketing of Technology, Multimedia Sound Design and Nanoelectronics.

In their fourth year, MEng students can currently choose from modules such as Bio-inspired Computation, Emerging Nanotechnologies, Systems Programming for ARM, Robotics, Enterprise, Music Performance Analysis Systems, and Electronics for Medicine.

## **BEng/MEng Electronic Engineering**

Our core degrees and the programmes below offer a thorough education in electronic engineering, meeting the rigorous needs of today's industry. A wide range of options is available, particularly in the MEng degree, allowing either a broad experience or the study of particular areas in some depth. Graduates gain the skills and experience to design the next generation of systems and devices.

## **BEng/MEng Electronic and Computer Engineering**

Electronic engineers design the semiconductor devices, data communications and interfaces used in computer systems, as well as high-frequency display monitors and mass storage media. They use microprocessors and computers for control, measurement, signal and image processing, and for system design or modelling. These programmes develop a wide range of computing skills as part of the engineering problem-solving process.

## **BEng/MEng Electronic Engineering with Nanotechnology**

Nanotechnology encompasses the design and study of devices on a scale of less than 100nm – barely a few hundred atoms across. York is one of the leading UK institutions with expertise in this growth industry, with its York JEOL Nanocentre, a multimillion pound research centre. This degree programme is one of the first IET accredited courses in this discipline and emphasises those areas of nanotechnology of direct relevance to contemporary electronics.

## **BEng/MEng Music Technology Systems BEng/MEng Electronic Engineering with Music Technology Systems**

York was the first Electronics department in the UK to introduce programmes for those who wish to combine an interest in music with a solid background in electronic engineering. Graduates will be electronics engineers with specialist skills in the design and application of music and audio equipment. The Department boasts a strong musical atmosphere and has its own professional-standard recording studio and mix-down and practice facilities.

## **BEng/MEng Electronic and Communication Engineering**

Communications technology has always been one of the major strengths of the Department and these programmes allow specialised study applicable to major growth areas, such as mobile and global communications, wireless networks and high altitude systems. As well as providing a strong background in electronics there are more specialised studies in areas such as signal processing, data coding, broadcast technology, optical systems and radio communications.

## **BEng/MEng Electronic Engineering with Business Management**

While all our degrees cover technical management, for these programmes the management content increases. Areas covered include marketing, accounting, finance and strategic management. The content meets the needs of those engineers who have ambitions to progress quickly to a managerial position.

## **BEng Electronic Engineering with a Foundation Year**

This is an entry route for those with no recent or appropriate qualifications. The material covered includes mathematics and physics up to A level standard. Practical electronics is included as an introduction to the material in later years. The programme is taught entirely within our Department. Students on this programme pay a significantly reduced fee during the Foundation Year. Means-tested support is provided for some UK/ EU students in the form of non-repayable bursaries (subsequent years of the programme carry the usual fees).

## **BEng Music Technology Systems with a Foundation Year**

This course is designed for students who wish to study Music Technology Systems but do not have the appropriate qualifications. In addition to the Foundation Year content outlined for Electronic Engineering above, students on this programme receive an introduction to the Music Technology Studios, have a studio pass for the whole year, and participate in laboratory sessions creating and processing audio. They also receive Music Technology mentoring that includes musical and audio computing sessions, and discussion groups, to contextualise the Mathematics, Physics, and Electronics taught in other parts of the Foundation Year.

## TEACHING AND LEARNING

Lectures convey much of the theoretical content of our programmes, supported by workshops, supervision sessions, tutorials and extensive laboratory sessions. All support sessions are informal and provide opportunities for students to discuss the subject with staff members, either in small groups or one to one. Students are encouraged to approach their lecturers at any convenient moment.

A typical student week will involve ten hours of lectures, six hours of laboratories and four hours of workshops/tutorials, plus additional private study time.

Students have a personal supervisor who is there to provide advice and assistance throughout the duration of their programme. They meet regularly and students are welcome to approach their supervisor at all times to discuss any academic and welfare issues.

All programmes contain substantial laboratory sessions where measurement skills are developed along with investigations into the functioning of electronic components and systems. They also include time in the Department's dedicated computing and interfacing laboratory and, where appropriate, in the recording studios and device fabrication/microscopy facilities.

Project work features throughout. A key group project is carried out by first year students to design a commercially viable product while second year students undertake a group project aimed at solving an emerging problem with an innovative solution. In the third year, MEng students carry out a major software engineering exercise in teams of around eight. The groups run as a company with each student taking on a specific role within a business context. They design, code and implement a substantial application with the final assessment including a presentation delivered on their package. Substantial group work is also embedded in individual modules.

Final year BEng students carry out their major individual project under the guidance of an academic project supervisor. The students can choose a project offered by members of staff or propose a project of their own. Some projects are in collaboration with our industrial contacts and involve the design of commercial products.

Final year MEng students spend two terms on an individual project. If they opt to carry this out in industry, the project is arranged, vetted and jointly supervised. Students can select the project of their choice, provided they convince the industrial partner that they possess the requisite talents. There are some opportunities to carry out industrial projects overseas. Alternatively, students can carry out their final year project with one of our research teams. Many of these projects are industrially sponsored and students have been able to make significant

contributions to leading-edge industrial research.

The Department offers about 200 projects to final year students. Recent ones have included:

- Broadband multi-octave RF and microwave amplifiers
- Contactless PC interface using Arduino microcontrollers
- Predicting the stock exchange using social networks
- Evolutionary algorithms to detect Parkinson's Disease
- Self-healing modular robotic systems
- Self-test and self-repair in reconfigurable processors
- DNA molecular machines
- Next-generation spintronic memories
- Acoustic modelling of adjustable sound boxes for stringed instruments
- Evolutionary algorithms to detect voice emotion
- Underwater acoustic communications.

## SANDWICH YEARS

Students can take a sandwich year on all our programmes. Students find the experience invaluable in choosing career options and have often found that placements lead to job offers on graduation. You can apply for this from the start or apply to add it when you are on the course. Placements are not guaranteed but the Department will do all it can to help find one that is suitable. Students who are not successful in obtaining a placement will be transferred to the standard programme.

## STUDY ABROAD

There are opportunities to apply to study for part of the course in an overseas university. Currently arrangements exist for study to take place in universities in Greece,



*The breadth of the course appealed to me, as well as the way we can tailor it to our interests. Lectures are made engaging and entertaining by excellent teachers, with lots of demonstrations. I've enjoyed getting stuck into the practical side of Electronics. We have great facilities and labs can be really fun."*

Naomi (MEng Electronic Engineering, 3rd year)

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Germany, Portugal, Belgium, the Czech Republic, Norway, Romania, Sweden, France, Canada and the USA.

## ASSESSMENT

Assessment is based on a mixture of formal examinations and continuously assessed work including laboratory reports, regular assignments and project reports. The project marks for all students form a substantial proportion of the final degree classification.

Frequent and timely feedback is given on work submitted by students to enhance their development. We also ask for regular feedback from our students to help us maintain our high standards of teaching quality.

## SCHOLARSHIPS

Scholarships are available to the most outstanding first year UK/EU entrants. An internal panel will consider examination grades, performance at interview and any other indicator of academic or creative excellence.

We also offer a number of scholarships for the best performing Foundation Year students, after the first term of the course. These are open to both UK/EU and international students.

The Department is an invited member of the UK Electronic Skills Foundation (UKESF), a consortium of major UK electronics companies, which offers scholarships that include bursaries and summer placements and may include 12-month sandwich placements.

## ADMISSIONS

Candidates for all programmes must apply through UCAS. On receipt of application forms, suitable UK-based candidates will be invited to interview. In the case of applicants from outside the UK, a decision will be made based on the application.

Offers of a place are usually conditional on specified examination grades. General Studies is not normally included within the offer, but a good grade may be taken into account at results time.

Students offered a place on MEng degrees who only obtain suitable BEng grades will be automatically offered a place on the corresponding BEng programme if they accept York as a firm choice. Transfer back to MEng programmes is then possible subject to satisfactory performance in the first or second year.

Certain programmes have other prerequisites:

- All Music Technology courses: a demonstrable motivation towards making music. Please see our web pages at [york.ac.uk/electronics/undergraduate/apply/entry/music](http://york.ac.uk/electronics/undergraduate/apply/entry/music).
- Foundation Year: for mature students, there are no entry requirements. Students taking inappropriate

subjects are encouraged to apply too: see details on our web pages. Candidates' potential to cope with the mathematical and technical material will be explored in an informal interview.

We understand that things can go wrong and are happy to discuss individual circumstances and to try to be flexible. We prefer to be informed of such difficulties prior to the release of examination results.

Please contact us if you would like to discuss specific circumstances. Individual visits can also be arranged in advance of an application. A detailed departmental brochure is available upon request.

## WHAT OUR GRADUATES DO

Our programmes are extremely well regarded by employers because of their rigorous nature and relevance to industry. Our students succeed in obtaining employment quickly after graduation. In addition, graduate destination figures show that our students perform well above the national average in securing jobs in the highest professional categories.

The strong emphasis on project and teamwork in our programmes allows students to gain and demonstrate skills directly applicable to industry. Students find the experience they gain in management, budgeting and presentation to be valued highly by employers. Final year individual projects often involve development work that will carry forward into commercial application. Many result in job offers.

Students who take a sandwich year or sponsored vacation work find they have an enhanced perspective on the application of their programme to industry. It is also an opportunity to make invaluable contacts.

The majority of our graduates have entered areas of work related to their subject, such as electronics design, development and research. Many others utilise the problem-solving and logical aspects to pursue careers in computing.

Examples of recent graduate employment include:

- Design Support Engineer
- Meteorology Engineer
- Software Developer
- Production Management Assistant
- Business Development Executive
- Signalling Engineer

for a wide range of employers, such as:

- Goldman Sachs
- Sophos
- BBC
- IBM
- Jaguar Land Rover
- Royal Air Force.

# English and Related Literature

Join us at York to discover a world of literature. You will be taught in small groups by experts in their field, and encounter literature from every period of history and from across the globe. You will get the chance to follow your own literary passions and discover new ones. You will graduate with skills highly prized by employers across a wide range of industries

## Programmes

## UCAS

<b>BA English</b>	Q300
<b>BA English/History</b> (Equal)	QV31
<b>BA English/History of Art</b> (Equal)	QV33
<b>BA English/Linguistics</b> (Equal)	QQ31
<b>BA English/Philosophy</b> (Equal)	QV35
<b>BA English/Politics</b> (Equal)	QL32

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutor

Dr Alison O'Byrne

#### Telephone

+44 (0)1904 323367

#### Website

[york.ac.uk/english](http://york.ac.uk/english)

#### Email

[english-ug-admissions@york.ac.uk](mailto:english-ug-admissions@york.ac.uk)

**2015 Applications** 1,206

**2015 Admissions** 227

### TYPICAL OFFERS

#### A levels

AAA or A\*AB with minimum A in English for Q300

AAA for QV31

AAB for QV33, QV35, QL32 and QQ31

#### IB Diploma Programme

36 points including 6 in all Higher level subjects (may vary for combined programmes)

#### BTEC Extended Diploma

DDD (may vary for combined programmes)

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

English Literature/English Language and Literature grade A at A level or equivalent

Excluding General Studies and Critical Thinking

History is required for QV31

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING ENGLISH AND RELATED LITERATURE

Literature changes the world, and the world shapes the literature we read. We will challenge you to find out how and why.

Reading is exhilarating. Literature at York is a subject that can take you from ancient Greek and Roman epics to the poetry of the Romantic period, and from Renaissance drama to 21st-century Indian fiction. Literature is not confined to the printed page but extends into theatre and film, so topics can range from the myriad ways of performing Shakespeare to the experiments of radical cinema. Immersing yourself in books from the English-speaking world and beyond, you will gain a keen sense of the distinctiveness of English literature, while discovering how it relates to other literatures and cultures.

This global perspective is enhanced by opportunities to engage with literature written in other languages and to study abroad. Our degree programmes also equip you with precisely the kind of high-level transferable skills that are valued by employers. Literary scholarship teaches you to: analyse and compare complex texts; research and debate challenging topics; present your findings cogently and persuasively, orally and in writing.

## ENGLISH AND RELATED LITERATURE AT YORK

During your three years of studying English and Related Literature at York, your preconceptions will be challenged in exciting and surprising ways by tutors and students who are, like you, ambitious, imaginative and passionately engaged.

York is at the forefront of literary study. In the 2014 Research Excellence Framework assessment, we were the UK's top English department for 'world-leading' research. This means that our students learn in the most stimulating academic environment possible. Modules are designed and taught by world experts working on cutting-edge research into English literature and related subjects.

We are an exceptionally creative and lively department with a long tradition of innovative teaching. Our flexible degree combines historical depth with geographical breadth. We offer modules from every era and in all the major genres: drama, fiction, film and poetry. There are therefore plenty of options to shape a course tailored to your own literary interests. Our strengths and the experience of our students ensured that our undergraduate programme was ranked seventh in *The Times* and *The Sunday Times Good University Guide* subject league table for 2016.

Our students come from a variety of backgrounds, but they all share the sharp intellect and literary curiosity that define the Department and make it one of the most exciting places in the world to study English.

## OUR PROGRAMMES

### BA English

York's English degree offers exceptional flexibility and choice. It provides a comprehensive overview of literary history and criticism while also encouraging you to explore the subjects that most interest you. You will get the chance to examine literature from the present and the past, and from the United Kingdom and beyond.

In the first year of our undergraduate programme, you are offered a set of core modules which introduce you to the critical and historical study of literature at undergraduate level. These modules are supplemented by additional skills-based and topic-based modules. The wide-ranging second and third year programmes allow you to choose from an exciting menu of modules, which either involve the close study of literature in its historical context or explore specific literary, cultural or performance issues. The degree culminates in an exciting year-long dissertation module: a chance to use all the research and writing skills developed over the degree on a topic of your own choice.

### Combined degree programmes

As well as the single subject English degree, the Department offers combined programmes with the Departments of History, History of Art, Language and Linguistic Science, Philosophy and Politics. Combined degree students take a mixture of modules chosen from their twin departments. In many cases, you will have the

opportunity to take an interdisciplinary module bringing your two subjects together, and/or to undertake an independently researched essay or dissertation on a topic linking your two subjects, written with supervision from a tutor in each department. As a combined degree student, you are able to choose from the same range of modules as our single subject students.

## WHAT YOU STUDY

### Year 1

In the first year, you are introduced to the study of literature through carefully linked modules which cover a variety of texts and critical approaches. In Term 1, these modules are designed to familiarise you with the study of a wide range of genres from across different historical periods, from poetry and drama to film and fiction. In Term 2, you will begin to develop the necessary skills for the reading of literary texts in their historical and cultural contexts, in modules that introduce you to the study of literature of a particular historical period, and to the global range and politics of English literature across historical divides. The programme in the first year is underpinned by a year-long lecture module that provides you with important critical and methodological contexts for the study of literature. You will also choose two topic modules which provide the opportunity to study a subject in greater depth.

### Years 2 and 3

In the second and third years of the programme, you can choose from a wide selection of modules. Our flexible programme allows you to begin tailoring your degree to your own interests, while at the same time offering you the opportunity to cover literary works from across a wide range of historical periods from classical civilisation to the 21st century, as well as selected offerings in classical literature. Period-based modules provide you with the chance to explore the ways in which literary works engage with the cultural debates and transformations of their historical moment, while other modules reflect the wide-ranging research expertise of the Department. These modules concentrate on specific literary or cultural topics, and include extended explorations of individual authors, particular genres, or writing addressing a specific idea or debate. Second year students also take a topic module that offers the opportunity to explore a concept, genre or text in more detail. The second year is underpinned by a year-long lecture module that explores the history and theory of literary criticism. In the third year, you will develop a dissertation topic out of your own literary interests. You are supported in researching and writing your dissertation through a programme of structured supervision.

As part of our commitment to a wide-ranging and international syllabus, one of the distinctive elements of the York English degree is that all single subject students take a World Literature module in their second year, studying texts written in languages other than English. You can choose to study such texts wholly in translation, or partly in the original language, either continuing with a language you studied at school, or beginning a new language altogether. There are lots of languages and literatures for you to choose from, ranging from the ancient to the contemporary. Combined programme students will also have the chance to take a World Literature module, although you are not required to do so. In addition to the sheer pleasure of studying great literature from many different times and places, we value this World Literature element for a number of reasons: the study of other literatures encourages a more cosmopolitan, multilingual view of literary culture; it recognises that English literature has always been in dialogue with literature written in other languages; and it develops crucial skills in the analysis of language.

Overall, York's English degree offers a uniquely international view of literature, embracing the history, politics and philosophy of cultures beyond the UK. Our students graduate with the broad cultural awareness that appeals to employers, as well as the rigorous literary training that paves the way for further study.

## TEACHING AND LEARNING

The Department attaches particular importance to small group teaching, enabling you to share your insights and develop your critical skills by presenting and discussing your own ideas. We draw on a variety of teaching formats, including seminars in small groups for the lively discussion of texts, larger workshops for the exploration of specific themes or topics, and lecture programmes designed to introduce you to the ideas, debates and contexts that inform the works you will be reading. Staff open office hours offer additional opportunities for the discussion of a particular text, a stimulating lecture, an essay plan, or a dissertation topic.

In addition to formal teaching, you will be expected to devote a considerable amount of private study time both to primary and secondary reading and to researching and writing essays. You will be encouraged to choose your own topics for essays with individual guidance and detailed feedback from your module tutors.

## STUDY ABROAD

The University takes part in the European Union Erasmus+ student exchange scheme, which enables some students from the Department each year to spend one or two terms studying abroad. In recent years, these have included exchanges with Danish, Finnish, French, Italian, Swedish and French-speaking Swiss universities. The University also has exchange schemes with a number of other international universities, including institutions in North America, Asia, South Africa and Australia.

## ASSESSMENT

The Department has always prided itself on offering an innovative mix of assessment methods, designed to maximise the opportunity for you to do research-based work on topics of your own choosing and to minimise the time spent sitting closed examinations, so essay writing and essay skills are central to the assessment of all three stages of our undergraduate programme.

Your first year provides a solid foundation for future study and allows you time to grow as a reader and literary critic, and to develop your writing skills. Although all modules are assessed, the marks for first year essays do not count towards the final degree result, but the accompanying feedback enables you to gain a detailed sense of your progress from the very start of your programme. The year-long lecture modules in the first and second years are assessed through a combination of exercises throughout the year followed by a closed



*I've especially enjoyed being encouraged to think creatively about literatures from cultures across the world. The focus on small group learning and availability of tutor support helps you feel directly involved in academic culture. The size of the Department directly benefits students, because no matter what your literary passion may be, the chances are there's a tutor who's written a book on it."*

**Charlie (BA English, 3rd year)**

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examination at the end of the year. Our world literature modules can be examined through a combination of essays and closed exams, while topic modules are assessed through the presentation of a group project. Other modules are usually assessed via essays, which can take a variety of forms from 1,500-word close-reading exercises and 3,000-word explorations of important themes and debates to a 7,000–8,000-word dissertation on a topic of your choosing in the final year.

You are fully supported in preparing for assessment. For closed examinations, you will receive detailed guidance on how best to prepare, while group presentations for topic modules are developed under the guidance of module tutors. The detailed feedback and advice you will receive from tutors on your written work will help you to develop and improve as a writer, and help to prepare you for the research-led dissertation in the third year.

## ADMISSIONS

Admissions decisions are usually made on the basis of the UCAS form and A level (or equivalent) grades and predictions. Offers are accompanied by an invitation to a departmental visit day, giving you the chance to sample our teaching in the form of a mini-lecture, ask questions about the course, meet us and look round the campus.

The Department accepts English Language and Literature A level in place of English Literature, although you may need to extend your reading, particularly in poetry. We do not accept General Studies or Critical Thinking. The Department requires an A in A level English for both single subject and combined programmes.

Interviews are reserved for candidates returning to formal study after a significant break. We are looking for articulate, well-read people with wide intellectual and cultural interests, whose engagement with literature covers much more than a single period and includes poetry and drama as well as fiction and film.

If you are one of those invited to come for interview, this will take the form of a half-hour conversation about your literary interests with a member of academic staff. You will be asked to bring some recent literary essays with you for assessment.

### Mature candidates

The Department particularly welcomes applications from candidates wishing to resume their education after a break. You will not necessarily have the A level grades we demand from school leavers, but we would expect you to be of the same calibre and to show clear evidence of your interest in and aptitude for studying literature.

Mature applicants need to make sure that they are adequately prepared for university study. One way of doing this is through a taught course, such as an Access

to HE Diploma with a significant literature component. As well as reviving the habit of discussing, researching and writing about books, this ensures that you have a recent academic referee and some written work to bring to interview.

The Department's web pages include detailed advice for applicants with unconventional educational backgrounds.

### Deferred entry

Students wishing to take a year out between school and university may apply through UCAS, indicating that they wish to defer entry for a year. Those who are offered and accept a place, and meet any conditions asked for, will have their places reserved for a year. We welcome applicants who wish to defer in this way.

## WHAT OUR GRADUATES DO

Many of our graduates go on to postgraduate degrees or to further training in such areas as teaching, journalism, librarianship and law, while others have gone on to pursue careers in accountancy, advertising, arts administration, the Civil Service, computer science, management, the performing arts, public relations, publishing and social work. Several have become successful novelists, playwrights and poets.

Examples of recent graduate employment include:

- Web Officer
- Editorial Assistant
- Film Director
- Print Journalist
- Civil Service Fast Stream Trainee
- Copywriter

for a wide range of employers, such as:

- HarperCollins Publishing
- Penguin Random House
- BBC
- BuzzFeed UK
- United Nations
- Civil Service.

# Environment

*Environment at York bridges the natural, social and physical sciences to provide a uniquely interdisciplinary approach to teaching and research*

## Programmes

			UCAS
<b>BSc Environmental Science</b>	F900	<b>BSc Environment, Economics and Ecology</b>	F7M0
<b>BSc Environmental Science</b> with a year in industry (4 year)	F901	<b>BSc Environment, Economics and Ecology</b> with a year in industry (4 year)	F7M1
<b>MEnv Environmental Science</b> (4 year)	F902	<b>MEnv Environment, Economics and Ecology</b> (4 year)	F7LC
<b>MEnv Environmental Science</b> with a year in industry (5 year)	F903	<b>MEnv Environment, Economics and Ecology</b> with a year in industry (5 year)	F7L1
<b>BSc Environmental Science</b> (Extended Degree) (4 year)	F850	<b>BSc Environment, Economics and Ecology</b> (Extended Degree) (4 year)	F750
<b>BSc Environmental Geography</b>	F810	<b>BA Human Geography and the Environment</b>	L7F8
<b>BSc Environmental Geography</b> with a year in industry (4 year)	F811	<b>BA Human Geography and the Environment</b> with a year in industry (4 year)	L7F6
<b>MEnv Environmental Geography</b> (4 year)	F815	<b>MEnv Human Geography and the Environment</b> (4 year)	L7F9
<b>MEnv Environmental Geography</b> with a year in industry (5 year)	F816	<b>MEnv Human Geography and the Environment</b> with a year in industry (5 year)	L7F7
<b>BSc Environmental Geography</b> (Extended Degree) (4 year)	F812	<b>BA Human Geography and the Environment</b> (Extended Degree) (4 year)	L7F0

Natural Sciences – see page 151

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutor

Dr Sylvia Toet

#### Telephone

+44 (0)1904 322999

#### Website

[york.ac.uk/environment](http://york.ac.uk/environment)

#### Email

[environment@york.ac.uk](mailto:environment@york.ac.uk)

**2015 Applications** 838

**2015 Admissions** 129

### TYPICAL OFFERS

#### A levels

AAB

AAB/ABB for L7F6,  
L7F7, L7F8, L7F9

#### IB Diploma Programme

34 points

35/34 points for L7F6,  
L7F7, L7F8, L7F9

#### BTEC Extended Diploma

DDM

DDD/DDM for L7F6,  
L7F7, L7F8, L7F9

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

For F900, F901, F902, F903, F810, F811, F815, F816, F7M0, F7M1, F7L1 and F7LC, you should have a minimum of one subject (and preferably two) from among Biology, Chemistry, Geography, Geology, Environmental Studies, Mathematics, Physics or Psychology, with Geography or Geology required for F810 and F815

For F7M0, F7M1, F7L1 and F7LC, Business Studies and Economics are also acceptable

For L7F6, L7F7, L7F8 and L7F9, you should have Geography plus two further subjects

GCSE Mathematics or equivalent is required

Excluding General Studies

Applicants for the Extended Degree programmes should contact the Department for more information

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING ENVIRONMENT

There has never been a more important time to study environmental issues. Climate change impacts are at the forefront of the social and political agenda, and our degrees provide students with the skills to develop long-term sustainable strategies for the planet. Our students become independent thinkers and are able to consider solutions to environmental problems that address the needs of all members of society. There is an urgent demand from employers for graduates who possess these skills and can apply them in different situations.

## ENVIRONMENT AT YORK

Our Department is dynamic and friendly and carries out research across a wide range of environmental and geographical issues in developing and developed countries. In the 2014 Research Excellence Framework assessment, 96 per cent of our research activity was rated as internationally recognised. Our teaching and curricula are informed by our research, which includes work on marine conservation, tropical rain forests, atmospheric and oceanic science, ecotoxicology, biodiversity and conservation, glaciers, sea level change, natural and resource economics and environmental policy.

The Environment Department attracts students from all over the world. Students can apply to undertake part of their study abroad (see page 115). The Department is committed to wider participation in higher education and for those with a non-traditional academic background, our four degrees can be taken with a foundation year currently taught by our partner institution, York College (see Extended degrees, page 114). The Department is located at the heart of the campus, in a new building with extensive state-of-the-art laboratories and teaching and social spaces.

## OUR PROGRAMMES

In the first year of each of our degrees, the relevant foundations are laid for future study. In the second year, students choose a proportion of their modules and begin to specialise, as well as taking part in a compulsory residential field course overseas. Currently, this course is in Tenerife and studies volcanic systems, renewable energy, tourism impacts and natural hazards. Costs for the field trip are covered by the Department, with students only expected to pay for return travel to the island. The third year has different routes depending on whether students select BSc/BA or the integrated Masters (MEnv). For the former, students select from specialist taught modules, as well as undertaking an independent research project. For the MEnv, students select from the same specialist taught modules, but also study material that prepares them for an

extended research project in Year 4. The research project (for all degrees) provides an opportunity to undertake an in-depth study of a topic of particular interest, allowing students to apply what they have learnt in novel ways. It is also possible to take elective modules from other departments, such as Politics, Sociology, Archaeology and Biology, providing flexibility for students to develop their own interests.

Our degree programmes contain modules that have links with public sector organisations such as the Environment Agency, Natural England and Forest Enterprise, major employers in the private sector and non-governmental organisations (NGOs). This ensures that our teaching is topical, policy-related and grounded in real-world examples.

## WHAT YOU STUDY

### BSc/MEnv Environmental Science

In the first year, you will study the physical environment and ecological principles, development of numerical and key environmental skills, field and project work, and have an opportunity to debate topical issues in environmental science.

In the second year, you will focus on developing your knowledge and skills in environmental science. You will study compulsory modules in environmental chemistry and biology, climate change and research project skills. You will take part in a residential field course, which will include field and project work. Optional modules allow you to increase your knowledge in areas such as applied ecology, energy and earth processes or gain specific skills such as in Geographic Information Systems (GIS).

In the third year, a range of specialist modules is available in areas such as pollution monitoring and control, atmosphere and ocean science, biodiversity and glaciers and ice sheets, as well as a field trip to Iceland. BSc students also undertake an independent research project in Year 3. For Year 4 of the MEnv, see page 114.

### BSc/MEnv Environmental Geography

In the first year, you will study the physical environment and ecological principles and will develop your numerical and key environmental skills. The modules provide experience of field and project work, and an opportunity to debate current issues in environmental geography.

In the second year, you will focus on developing your knowledge and skills in environmental geography. You will study compulsory modules in earth processes and landforms and biogeography, and develop your skills in GIS and research project design. You will take part in regular fieldwork as well as a residential field course.

Optional modules allow you to increase your knowledge in particular areas such as energy, climate change and environmental geochemistry.

In the third year, a range of specialist modules is available in areas such as coastal environments, glaciers and ice sheets, atmosphere and ocean science, and environmental hazards, as well as a field trip to Iceland. BSc students also undertake an independent research project in Year 3. For Year 4 of the MEnv degree, see below.

### BSc/MEnv Environment, Economics and Ecology

The first year modules include an introduction to economics and ecology, development of numerical and key environmental skills, and experience of field and project work, and promote debate in the economics, politics, ecology and management of the environment.

In the second year you will focus on developing knowledge and skills across environmental economics, ecology and environmental management. You will study compulsory modules in environmental policy and environmental applications of economics, as well as taking part in a residential field course. Optional modules focus on areas such as energy, climate change, ecosystem ecology and food security, learn specific skills such as GIS and gain more practical experience in data analysis.

In the third year, you will be able to choose from a range of specialist modules in areas such as sustainable development, environmental politics, environmental and natural resource economics and biodiversity. BSc students also undertake an independent research project in Year 3. For Year 4 of the MEnv degree, see below.

### BA/MEnv Human Geography and the Environment

The first year modules include an introduction to human geography and sustainable environments and will develop your numerical and key environmental skills. The modules provide experience of field and project work, and an opportunity to debate topical issues in human geography.

In the second year, you will focus on developing your knowledge and skills in human geography. You will study compulsory modules in key areas such as geographies of development and sustainable tourism and transport, in addition to developing your skills in GIS and research project design. You will take part in regular fieldwork including a residential field course. Optional modules are on areas such as megacities and urbanisation, energy and environmental policy.

In the third year, a range of specialist modules are available in areas such as gender, global poverty, environmental psychology and a field trip to Prague on production and consumption geographies. BA students

also undertake an independent research project in Year 3. For Year 4 of the MEnv degree, see below.

### Integrated Masters option

Our students can extend their study by a year to undertake an integrated Masters in Environment (MEnv), subject to progression requirements at the end of Year 2. The MEnv at York provides a more vocational experience than the three-year degrees for those who are planning a career in the environmental sector, or preparing for a PhD. Years 1 and 2 are the same as the BSc/BA degrees, but Year 3 differs in that you undertake an advanced literature review and gain skills in research methods and statistics rather than an independent research project. In Year 4, you specialise according to your parent degree, study modules led by environmental practitioners and undertake a substantial individual research project.

### Extended degrees

All our undergraduate degree programmes are available as extended degrees, with the first year currently taught at York College. This pathway provides access to higher education for a wider section of society. The content of the Foundation Year of the degree programmes has been designed to prepare students to continue onto one of the four degrees, providing that students satisfy the progression requirements. Students pursuing the Extended Degree develop appropriate knowledge and



*"I'm passionate about tackling the most pressing issues faced by humanity, and the interdisciplinary course style enables this by teaching a wide range of critical approaches and disciplines. I have really enjoyed my modules on energy and climate change, which looked at industrial, technological and political concerns as well as scientific ones. A highlight was the Tenerife field trip, where we experienced the environmental effects we read about first-hand."*

Kevin (BSc Environmental Science, 3rd year)

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skills, as well as gaining an appreciation of the value of independent enquiry. The first year of the Extended Degree (120 credits) includes: Maths and Statistics, Geographical Information Systems, Environmental Chemistry, Living Organisms and Environment, Physical Geography, Sustainability, Academic Skills, Personal Development and an Individual Project.

### Year in industry

Our programmes can include an optional extra year, between the second and third years. This provides a rewarding (and paid) opportunity to experience career opportunities in the environmental sector with an external organisation. Students receive support from the Department during their year away and undertake a research project, written up as an assessed report. Short-term placements and internships, when available, are also offered to students.

Students on programmes with an industrial placement are not guaranteed a placement. The Department will do all it can to find suitable placements but also expects, and supports, students to be proactive in researching and finding their own placements as this is an integral part of the skills and experience gained through this programme. Students who are not successful in obtaining a placement will be transferred to the standard programme.

### TEACHING AND LEARNING

The teaching and learning strategy in the Environment Department is designed to provide students with opportunities to experience a wide range of learning environments and approaches. These include lectures, tutorials, seminars, workshops, laboratory and computer practicals, field courses and research projects, all of which vary in form and content. Field-based learning is an important part of all our programmes and you will undertake a relevant research project in each academic year. There is independent and group-based work in each year of each of the degrees. Employability skills are critical in today's job market; these are developed through a range of tasks across the core curriculum including a dedicated employability week in the first year, as well as many extra-curricular activities available across the University.

### STUDY ABROAD

Students can apply to spend their second year studying an environmental programme at universities worldwide, such as in North America, South Africa, Asia, Europe or Australia, with which the University of York has exchange agreements and where equivalent courses are available. We find that students who study abroad thoroughly enjoy and benefit from their time overseas.

### ASSESSMENT

We use a range of assessment approaches to ensure that the skills and abilities of all students are properly captured, eg field course reports, essays, practical and project reports, oral presentations and examinations. The final degree classification awarded is based on the marks obtained in Years 2 and 3 for the BSc/BA programmes and Years 2 to 4 for the MEnv degrees.

### ADMISSIONS

Applicants are given conditional or unconditional offers based on their predicted grades or actual qualifications. We meet students at University Open Days and encourage offer-holders to attend a departmental Visit Day during the Spring Term. Mature students are encouraged to apply and we welcome enquiries and prearranged visits from such applicants.

### WHAT OUR GRADUATES DO

Society's increasing awareness of the pressures on our planet means that career opportunities in the area of environment are expanding. Our undergraduate programmes prepare students for a number of careers, such as environmental consultancy, town planning, travel and tourism, environmental protection, logistics and distribution, international aid and development, utility companies, local or national government departments or agencies (responsible for housing, environmental services and recycling), sustainability, regeneration and economic development and teaching. In addition, our programmes help students develop key skills that will be transferable beyond environment/geography jobs. Many of the skills developed during your degree (eg in decision making, problem solving, scientific methods, communication skills) are valuable in a wide range of occupations. A high proportion of our graduates find employment or begin a higher degree within six months of graduating.

Examples of recent graduate employment include:

- Sustainability Officer
- Energy/Environment Consultant
- Events Manager
- Wildlife Disease Scientist
- Project Co-ordinator
- Water Service Engineer

for a wide range of employers, such as:

- Durham Wildlife Trust
- KPMG
- HML Andertons
- Cargill
- Clearwater Technology
- Yorkshire Water.

# History

*With subjects that cover a huge breadth of time and geographical range, our degrees combine original research with the best traditions of stimulating and innovative teaching*

## Programmes

	UCAS
<b>BA History</b>	V100
<b>BA History/Economics</b> (Equal)	VL11
<b>BA English/History</b> (Equal)	QV31
<b>BA History/History of Art</b> (Equal)	VV13
<b>BA History/Philosophy</b> (Equal)	VV15
<b>BA History/Politics</b> (Equal)	VL12
<b>BA History/French</b> (Equal) (4 year)	VR11
<b>BA History</b> with a year abroad (4 year)	V104

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutor

Dr Helen Cowie

#### Telephone

+44 (0)1904 322983

#### Website

[york.ac.uk/history](http://york.ac.uk/history)

#### Email

[history-ug-admissions@york.ac.uk](mailto:history-ug-admissions@york.ac.uk)

**2015 Applications** 1,548

**2015 Admissions** 263

### TYPICAL OFFERS

#### A levels

AAA or A\*AB

With a minimum A in History for V100

AAA/AAB for all other courses

#### IB Diploma Programme

36 points including HL 6 in essential subjects (may vary for combined programmes)

35 points for VV13 and VV15

#### BTEC Extended Diploma

DDD (may vary for combined programmes)

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

History or Classical Civilisation grade A at A level or equivalent

Essential subjects are also required for the following combined programmes: English for QV31, French for VR11, Mathematics for VL11  
Excluding General Studies

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING HISTORY

Historians are students of change. We study the shifting forms of power, economies, societies and beliefs. We seek to understand the nature of these transformations and the forces that propel, contain and mould change. Historians thus bring independent, informed perspectives to our world and the choices we face.

History brings you into the world. Studying medieval, early modern and modern societies illuminates the unexpected logic of different cultures. Confronting the pasts of Europe, Iran, America or China makes clear underlying forces that shape today's global environment. This is enhanced by the chance to study abroad or learn a new language.

Study of the past prepares you for the future.

Historians are critical readers of evidence and understand how knowledge can be preserved, constructed and manipulated. They are quick to recognise interpretation, adept at engaging argument and proposing alternative solutions. They sift information quickly, the valuable from the superfluous, opinion from fact. They communicate clearly, in writing and verbally.

The York History degree also cultivates independence of mind, initiative, discipline and an ability to work with others. It prepares you to navigate the changing demands of today's world. Our graduates go on to careers in law, media, government, diplomacy, education and business.

But history is also thrilling. It challenges us to think harder and constantly surprises us. In studying History at York, you spend three years with others who are, like you, curious, enthusiastic and with strong opinions.

## HISTORY AT YORK

We are one of the top departments in the country, ranked eighth in *The Times* and *The Sunday Times Good University Guide* subject league table for 2015. We are also among the leading departments in the world for the advanced study of History and related disciplines, combining groundbreaking research with degree programmes that offer incredible chronological breadth and geographical scope. In the 2014 Research Excellence Framework assessment, the Department was ranked second overall for research performance.

Our Department is unusual for its size and range of expertise. Our nearly 40 full-time staff (leading researchers in their fields) include medievalists, early modernists, modern and contemporary historians – indeed, experts in every century between the fall of Rome (in the fifth century) and today. Our interests also span the globe, from Britain and Europe to the Americas, Asia and Africa.

Each of us teaches cutting-edge courses that are drawn from our areas of expertise. This means students can study the fifth through to the 21st centuries, and across the world, with leading experts. Subjects could include: Charlemagne, the Norman Conquest, heresy, the Crusades, the Black Death, the Hundred Years War, the Tudors, the Reformation and Counter-Reformation, and the Salem witch trials. And modern topics: the Enlightenment, the French Revolution, Caribbean slavery, the British Empire, Darwin, Latin American Independence, Iran, World Wars I and II, 19th-century Japan, Stalin, modern China, decolonisation, the Middle East, Harlem, the Cold War, and post-colonial Africa.

Our degrees are thus unusual in their intellectual, chronological and global variety. Core modules in the first year introduce you to a wide range of historical subjects and approaches, providing a broad sweep of history and historical problems. This is developed in the following years through core modules which interrogate the very nature of historical enquiry, as well as cultivating expertise in using primary materials. All single subject and most joint degree students undertake a dissertation: an independent, original work of history that is researched and written over 12 months. The subject is of the student's own making, working one on one with an academic adviser.

Most modules, however, are individual courses developed and taught by staff in their area of expertise. In their first term, and throughout their second and third years, students select preferences from a range of options (typically between 8 and 25) which include medieval, early modern and modern offerings, British and global subjects, and a variety of intellectual approaches or themes. There are no subject requirements within these choices, so students can chart their own distinctive course through

the History degree. Some prefer to range widely, others to specialise in a period (eg medieval), region (eg American history), approach (eg political, social or economic history), or theme (eg warfare, colonialism or urban life). Many discover their own intellectual curiosities which they pursue in seminars and then develop into a dissertation.

Our degrees prioritise engagement and intellectual challenge. Small group teaching remains at their core, and is an ever-larger component as students progress through the three years. In seminars and the weekly discussion groups that accompany lectures, tutors engage students, push them to develop their own ideas, and work with them to build their arguments.

Students are also guided by a supervisor (personal tutor), whom they meet individually every term. The supervisor provides direction, reflection and support as well as advice as students prepare for internships and careers.

Studying History at York is demanding work, requiring considerable commitment to the development of personal as well as intellectual skills, a willingness to work with others, and an enthusiasm for history and historical problems. We expect this from all of our students. However, it is equally the case that they have matched up to these expectations. Over 94 per cent of our students achieved a First or 2:1 in 2015.

## OUR PROGRAMMES

### BA History

The degree programme ensures progression from broad to specialised topics. The first year equips you with the tools necessary for degree-level History. Year 2 allows you to burrow deeper into events, themes or periods that interest you most. Year 3 sees you pursuing high-level historical work, through your own dissertation, the Special Subject and Comparative History modules.

### Combined degree programmes

In addition to our single subject History BA (Hons) degree, we offer six joint degrees in History and Economics, English, French, History of Art, Philosophy or Politics. Each joint degree is equally divided between the two departments. We also offer a four-year BA in History with a year abroad.

## WHAT YOU STUDY

The following outlines the single subject History degree. Joint degree students follow the same progression but take half as many modules. For details of our joint degrees and for a wider range of our many module offerings, please see our website. Modules may be revised or developed: please see our website for the latest details.

## Year 1

First year modules equip you for degree-level History. They introduce you to a wide range of historical material and subjects while developing the skills required for your more specialised work in Years 2 and 3.

The first term core module Making Histories introduces you to sources and approaches, as well as the working methods needed to study history. It is taught by seminars, workshops and lectures, with written work assigned and marked by your tutor. Your Period Topic module provides an intensive introduction to a historical period or subject. Taught in a seminar by a member of staff, it fosters experience in historical debate and using primary sources. Offerings vary each year but have included:

- Goths and Romans in 6th-century Italy
- Violence, Miracle and Renaissance in Medieval France
- Shakespeare's World
- State and Society in Kenya, 1930–2007
- Washington and Napoleon: Images, Reputations and Ideological Uses
- Spanish America, 1400–1750.

Core modules in the Spring and Summer Terms develop your intellectual engagement. Two wide-ranging modules, From Rome to the Renaissance: The Transformation of Traditional Societies, c400–1650, and Citizens, Comrades and Consumers: The Making of the Modern World, 1650–2010, introduce a broad spectrum of historical periods, events and subjects in an integrated programme of lectures and discussion groups. In addition, Thinking Through History uses lectures and workshops to explore challenging new ideas on topics such as vice and virtue and freedom and servitude.

Many students elect to study a foreign language, as complete beginners or more advanced speakers. This can be done in addition to degree modules or as part of the degree programme (instead of Thinking Through History). Languages – including French, Arabic, Chinese, Russian, Spanish, German, Greek and Latin – are taken through the Languages for All (LFA) scheme.

## Year 2

In the second year you take your historical interests further, defining the questions that most engage you. In the first term, two Histories and Contexts modules pull you deeper into a historical period or problem through lectures and weekly discussion groups. The range of options varies each year, but may include:

- The End of the Roman World: The Transformations of the Year 600
- Kingship, Rule and Myth-Making: England, 1065–1307

- Papacy and Peoples: The Making of Roman Catholicism as a World Religion
- The Tudor Regime: Power, Propaganda and Faith, 1485–1603
- Reform, Revolution and Nation Building in Latin America
- Russia under the Tsars, 1613–1855
- Modern Britain, 1850–2000.

In the Spring and Summer Terms, two Explorations modules offer more in-depth study of a subject. In each, you work closely in seminars with a member of staff to interrogate sources and approaches. The many options have included:

- Chivalry
- Medicine in Medieval Europe
- The European Witch Craze, 1450–1650
- Race, Expansion and War in the Early United States
- The 1920s
- Difficult Pasts and Haunted Presents
- Peter the Great's Russia
- From the Global Shadows: Africa and the World since the 1950s.

Two smaller modules, Using Primary Materials and Dissertation Skills, develop your research skills as you embark upon your 10,000-word dissertation. This you will craft on a topic of your own choice, working one on one with an academic adviser.



*I chose York because as well as studying history in books*

*I wanted to be in an historic city.*

*It always surprises me to walk along the Department corridors and see such a variety of specialisms from battlefields to Brazil. Staff immerse you in their subjects with passion, meaning you never have a boring moment."*

**Kerry (BA History, 2nd year)**

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### Year 3

The third year is dedicated to high-level historical work. The main component, spread over two terms, is the Special Subject, taught through weekly seminars. This sees you working closely with primary materials under a scholar of the field to master the sources and debates of a historical subject. Options might include:

- Jeanne d'Arc (Joan of Arc)
- The Black Death
- Crime in England, 1590–1640
- The French Wars of Religion, 1559–1594
- The Scientific Revolution
- Heroic Reputations: Heroes and their Afterlives
- Border Crossings: Empire in British Society
- The Russian Revolution, 1917–1921
- Hong Kong: Economy, Society, Environment
- The Politics of the Permissive Society: Britain, 1957–1974.

This is supported in the Autumn Term by Debating Historical Practices, a core module taught via lectures and seminars. Here you confront some of the more advanced conceptual and methodological issues raised in the practice and use of history.

The Spring Term brings a Comparative History module, one of the oldest, most distinctive and stimulating components of the York History degree. This asks you to interrogate a theme across a broad historical sweep, investigating its diverse forms across time and space. Offerings have included: Travel, Family, Animals, Colonisation, Disease, Heroes, Beauty, Utopias, Diaspora, Unfree Labour, Magic, War and Society, and Honour and Shame.

During the course of this year, you will continue to meet your adviser one on one to complete your dissertation, including submitting and discussing draft work.

### TEACHING AND LEARNING

Because our modules vary in size and duration, they are weighted differently, from 10 to 40 credits. In each term you earn 40 credits. For single subject students, this typically means two modules; in joint degrees one module from History, one from the other department. One credit equates to roughly ten hours' work, making an average of 40 hours each week.

We employ seminars, lectures, discussion groups, workshops and tutorials. A number of modules, especially in the first year, are taught through integrated programmes of lectures and discussion groups. Lectures

introduce unfamiliar areas, examine controversial issues and raise questions followed up in weekly discussion groups of 10–16 students and a tutor. The majority of our teaching, especially in Years 2 and 3, takes place in two-hour and three-hour seminars, the cornerstone of our degree. Here students work closely (in groups of 12–16) with a member of staff. Seminars provide a forum for the analysis of sources and for debate over the issues raised. Student participation is fundamental, in presentations and discussion.

Small group teaching remains at the core of our degree. It is a commitment we retain because we believe that students learn better when challenged (under the guidance of an experienced scholar) to think through a problem and articulate their own ideas. Small group teaching and tutorials account for half of our first year teaching, rising to over 80 per cent in the third year.

Many students quickly learn to juggle a diverse timetable and competing commitments. Teaching hours vary by week, stage of degree and, especially, student preference. A single subject historian might have up to 12 hours in Year 1 and 11 in Years 2 and 3, of which about half are the minimum requirement; additional learning opportunities include languages and extra modules. In addition, many avail themselves of the array of career, IT, library and skills workshops available. Historians are also active in (and indeed often run) the many societies, institutions and clubs on campus.

Historians are independent learners. Good history requires hard work outside of the seminar or lecture room, exploring publications in libraries and online, thinking through problems and pioneering new avenues of investigation.

To support this work, we encourage students to attend the student hours that every tutor, adviser and supervisor holds twice each week. We give detailed written feedback on all procedural work, which you can follow up in student hours. Each year includes one-on-one sessions with tutors and every student has a dissertation adviser who stays closely involved with their project. Each student also has a personal supervisor who meets them every term, lending advice and support through the degree and in career planning. This can include guiding students to the appropriate University support service if issues disrupt their work. Supervisors can also write informed references as students embark on internships and careers.

### STUDY ABROAD

We are committed to equipping our students with the skills and understanding they need to excel in an increasingly interconnected world through our geographically wide-ranging curriculum, our language training and our study abroad programmes. There are

many opportunities to study overseas. Both combined and single subject History degree students can apply to study abroad for all or part of your second year. You can also apply for our four-year BA in History with a year abroad that allows you to study for three years at York with an additional year abroad. Students studying for the BA in History have the option of applying to transfer to the BA History with a year abroad at the end of their first year at York. You can study in English or in a foreign language. We offer student exchanges under the Erasmus+ scheme, which allows students who are citizens of EU countries to spend part of the year at another European university as part of their degree. Destinations are likely to include Paris Sorbonne, Aix-en-Provence, Parma, Madrid, Utrecht and Göttingen.

In addition, we have an exciting programme of international exchanges with prestigious universities in the Americas, Asia and Australia. In recent years our students have studied at the Universities of California and Pennsylvania, as well as universities in Sydney, Hong Kong and Singapore.

## ASSESSMENT

Assessment is ongoing throughout the degree, typically at or shortly after the end of the module. We employ a range of methods, including assessed essays, the dissertation, examinations and group projects. Exams are open (students write their answers in private study conditions over periods of eight hours to three days) and closed (for one and a half to three hours in an examination room).

Students also do procedural essays (on average, one per module), which are marked and returned with feedback by the tutor. These do not count towards the final assessment, but offer students an opportunity to engage intensively with the subject of the module while continuing to develop their essay writing.

The final degree classification is awarded on the basis of assessment in Years 2 and 3. Year 1 marks do not count towards the final degree classification, although the modules are assessed and must be passed in order to proceed to Year 2.

## ADMISSIONS

Applications are welcomed from students with a range of educational backgrounds. Entry is competitive and all prospective students are assessed on the basis of individual merit and recognised potential.

The typical new History student at York has attained high standards at school and is both self-motivated and willing to participate in the interactive seminars and discussion groups that form the heart of our teaching. We look for the same kinds of commitment to studying History in mature applicants, evidence of which may

lie in candidates' experience and drive as much as in examination results or diplomas.

We accept many different qualifications, but usually look for a component in History or a historical subject such as Classical Civilisation. For our typical offers please see our website.

## WHAT OUR GRADUATES DO

History is a degree that cultivates independence and discipline. Historians are strong communicators, understanding how language and clarity of thought work on the page and in presentations. Seminars, too, cultivate advanced skills in working with others and in listening, responding and asserting a distinctive opinion. These are skills that are valued by employers, but responsiveness to new situations and unexpected opportunities are also traits that make for successful and adaptable careers.

Our graduates therefore go on to build successful careers in law, social work and justice; politics, diplomacy and government; finance, accountancy and fundraising; media, journalism and broadcasting; business, commerce and public relations; administration, management, teaching and academic research. Many progress, too, to further study in Britain and abroad.

All York students have access to workshops in careers, IT and other skills. Structured opportunities for extra-curricular learning such as the York Award and Languages for All are particularly popular with History students. Student societies and initiatives (such as student television, journalism, politics and volunteering) allow you to explore interests, develop talents and gain hands-on expertise.

Examples of recent graduate employment include:

- Political Reporter
- Documentary Researcher
- Communications Executive
- Public Affairs and Policy Intern
- Management Consultant
- Commodity Broker

for a wide range of employers, such as:

- Barnardo's
- Goldman Sachs
- Teach First
- Boston Consulting Group
- HM Revenue & Customs.

# History of Art

*"I have enjoyed every minute of the degree and I am really glad to have chosen York. The Department is friendly, enthusiastic and inspiring"*

Recent graduate

## Programmes

UCAS

<b>BA History of Art</b>	V350
<b>BA Curating and Art History</b>	V351
<b>BA English/History of Art</b> (Equal)	QV33
<b>BA History/History of Art</b> (Equal)	VV13

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutor

Dr James Boaden

#### Telephone

+44 (0)1904 322978

#### Website

[york.ac.uk/history-of-art](http://york.ac.uk/history-of-art)

#### Email

[histart-ug-admissions@york.ac.uk](mailto:histart-ug-admissions@york.ac.uk)

**2015 Applications** 281

**2015 Admissions** 58

### TYPICAL OFFERS

**A levels** AAB/ABB

**IB Diploma Programme**

35/34 points

**BTEC Extended Diploma**

DDD/DDM

### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

For English/History of Art, English at A level grade A or equivalent

For History/History of Art, History at A level grade A or equivalent

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING HISTORY OF ART

History of Art equips you with the ability to analyse images and material objects, skills which are of increasing importance in today's visual world. Art historians study works of art and architecture in their historical contexts to understand who creates and who views them, how and why they are used, and what they reveal about human culture. History of Art is an international discipline which encourages you to think about art and architecture in local, national and global contexts. Like other subjects in the humanities, History of Art requires you to develop a body of knowledge, formulate complex arguments and communicate ideas effectively.

## HISTORY OF ART AT YORK

We have rapidly developed into one of the leading departments of the history of art and architecture in the UK (and indeed worldwide), while still teaching primarily through small groups and maintaining a friendly, informal atmosphere. As a result, you can select from an extremely wide variety of module choices and at the same time

receive highly personalised attention. Through supervision, support and intellectual challenge we seek to ensure that all of our students reach their full potential during their time at York. You will be taught by art historians who are writing some of the texts you will be reading and are often curating the exhibitions you will be going to see.

We have a series of exciting research collaborations with institutions such as the Victoria and Albert Museum, Tate Britain and the National Gallery, and a degree programme in Curating and Art History to prepare students for careers in museums and galleries. International distinguished visiting professors play an essential role in our active research environment.

We believe in the importance of studying works of art and architecture in the original, and therefore many of our modules include visits to collections either locally or further away in Britain or on the Continent. The city of York is one of the most beautiful and ancient historic cities in Britain, renowned for its buildings, its sculpture and its unrivalled collections of stained glass. It has a thriving contemporary art scene and we are near some

of the most exciting galleries such as The Hepworth Wakefield. There is also a wealth of medieval and 18th-century architecture, while the handsome Victorian railway station is perhaps surpassed only by York's most famous building: the magnificent Gothic Minster. The offerings of York's museums range from contemporary art installations to medieval sculpture. Beyond the city, the monasteries, churches, castles and great country houses of Yorkshire provide an excellent resource for the study of art and architectural history in its cultural and social context. London is only two hours away by train, and many modules include trips to its galleries and museums. You also study the art and architecture of other regions such as Italy, France, Spain, Germany, the United States, South Asia and the Middle East, in the Medieval, Renaissance, Modern and Contemporary periods.

## OUR PROGRAMMES

At York students can study History of Art either as a single subject degree programme, or in combination with History or English. We also offer a course in Curating and Art History; this course offers a practical introduction to working in the museum and gallery sector in combination with the study of History of Art.

## WHAT YOU STUDY

### BA History of Art

In your first year a range of introductory modules will equip you both with fundamental art-historical skills and a grounding in theory and art historical method. You may also take a language module, of which several are specifically designed for art historians. In your second year you will choose from a variety of historical and thematic topics in the Medieval, Early Modern and Modern periods as well as more specialised courses that will introduce you to particular problems or periods. In your third year you will explore special subjects in depth. Many modules include field trips either locally or further afield to see works in the original. The final unit of your degree consists of a dissertation of 7,000–8,000 words on a topic of your choice supervised by a staff member.

### BA Curating and Art History

In your first year a range of introductory modules will develop fundamental art-historical skills and cover a range of different approaches to curating the art museum, including site visits. You may also take a language module, of which several are specifically designed for art historians. In your second year you will choose from a variety of topics, across a wide historical range, specifically tailored to thinking about exhibition histories and display. You

will plan an exhibition project, as part of a group. This year also includes a placement with an arts institution, arranged by the University. In your third year you will explore special subjects in depth. Many modules include field trips either locally or further afield to see works in the original. The final unit of your degree consists of an extended project linked to your curatorial interests.

### Combined degree programmes

History of Art is also offered as part of a combined equal degree programme in English/History of Art or History/History of Art.

A feature of the History of Art combined honours degrees at York is that they are carefully co-ordinated with the Departments of English and History in order to balance the workload and timetable. You will take modules in both departments, and your final unit consists of a bridge essay on a topic combining History of Art with History or English.

### Examples of modules

A selection of History of Art modules offered recently:

- Architecture and Politics in Stuart England
- Art in the USA 1945–1975
- Art in Venice from Bellini to Tintoretto
- Art Law
- Art of the Northern Renaissance
- Church, College and Castle, c1250–1450
- Contemporary Art: Practice and Debate
- Critical Approaches to Architecture
- Cultures of Sculpture, 1815–1918
- Cut/Bite/Stamp: The Power of Print in 18th-Century Britain



*The course at York offers a broad spectrum of modules, from ancient Greek architecture to all aspects of contemporary art. I have particularly enjoyed learning about how classical antiquity has influenced art and architecture throughout history, and still does today."*

Ruth (BA History of Art, 2nd year)

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- Eccentric Cities: Art, Politics and Trade in Italy 1100–1400
- The English Country House 1550–1900
- Impacts of the Late Antique, c350–850
- Interwoven: Fashion and Art History
- Jerusalem in Western Medieval Art and Architecture
- Museums and Curating
- Realism and Surrealism
- Rembrandt
- Stained Glass in the Great Church
- Subjectivity and Sexuality in Art since 1960
- Victorian Art.

## TEACHING AND LEARNING

We believe that learning is most effective when it is active and personalised. Therefore most teaching and learning takes place through seminar groups. During seminars you, your fellow students and your tutor discuss a topic for which you have prepared by extensive preliminary reading and image study. For these intensive sessions you will often be asked to give presentations or help to lead discussion, thus gaining experience in oral communication and teamwork. We also use group projects as part of our assessment.

You also write procedural essays, for which you receive oral and written feedback from tutors (and sometimes your fellow students) in individual or small group tutorials. In the first year study is primarily conducted through lectures and workshops. In the second year there is a greater emphasis on seminars, and in the third year all modules are taught in seminar groups of no more than 15 students.

## STUDY ABROAD

Students in the Department of History of Art can apply to participate in the worldwide exchange schemes and Erasmus+ programmes. In addition, there are study trips abroad during term time as a compulsory part of some special subject modules, and these are subsidised by the Department.

## ASSESSMENT

We use different methods of assessment throughout the course of your degree. These include the research dissertation (a long essay of 7,000–8,000 words), the open paper (a take-home examination lasting 48 hours), essays, and formal closed examinations. You are also assessed on your seminar performance. Examinations take place throughout the course of your degree.

## ADMISSIONS

We look for students with intellectual curiosity and enthusiasm as well as academic achievement. For the single subject programme, selection is currently made on the basis of the UCAS form, although candidates who have been away from study for some time may be invited to interview. You do not need to have an A level or equivalent in History of Art. We do prefer one of your qualifications to be a language or History or English. For the combined degree programmes, selection is made on the basis of the UCAS form and in some cases the submission of written work or interview.

Candidates receiving an offer from the Department will be invited to one of a series of departmental visit days which are held between December and March. This is an important opportunity to get a taste of our teaching style and to meet members of the Department and our present students, as well as seeing the range of facilities and opportunities that the University and the city have to offer.

## WHAT OUR GRADUATES DO

Our graduates develop skills which are attractive to a wide range of employers. You will be required to think analytically and independently, to research complex topics and to present arguments cogently. The programme provides opportunities to develop presentation and team-working skills. The study of History of Art can be an initial training for candidates seeking a career in the museum world, the art market, tourism, building conservation, journalism, advertising, picture research for television and publishing, as well as teaching, archive and library work. It also provides preparation for any of the careers for which a degree in the humanities is traditionally considered appropriate.

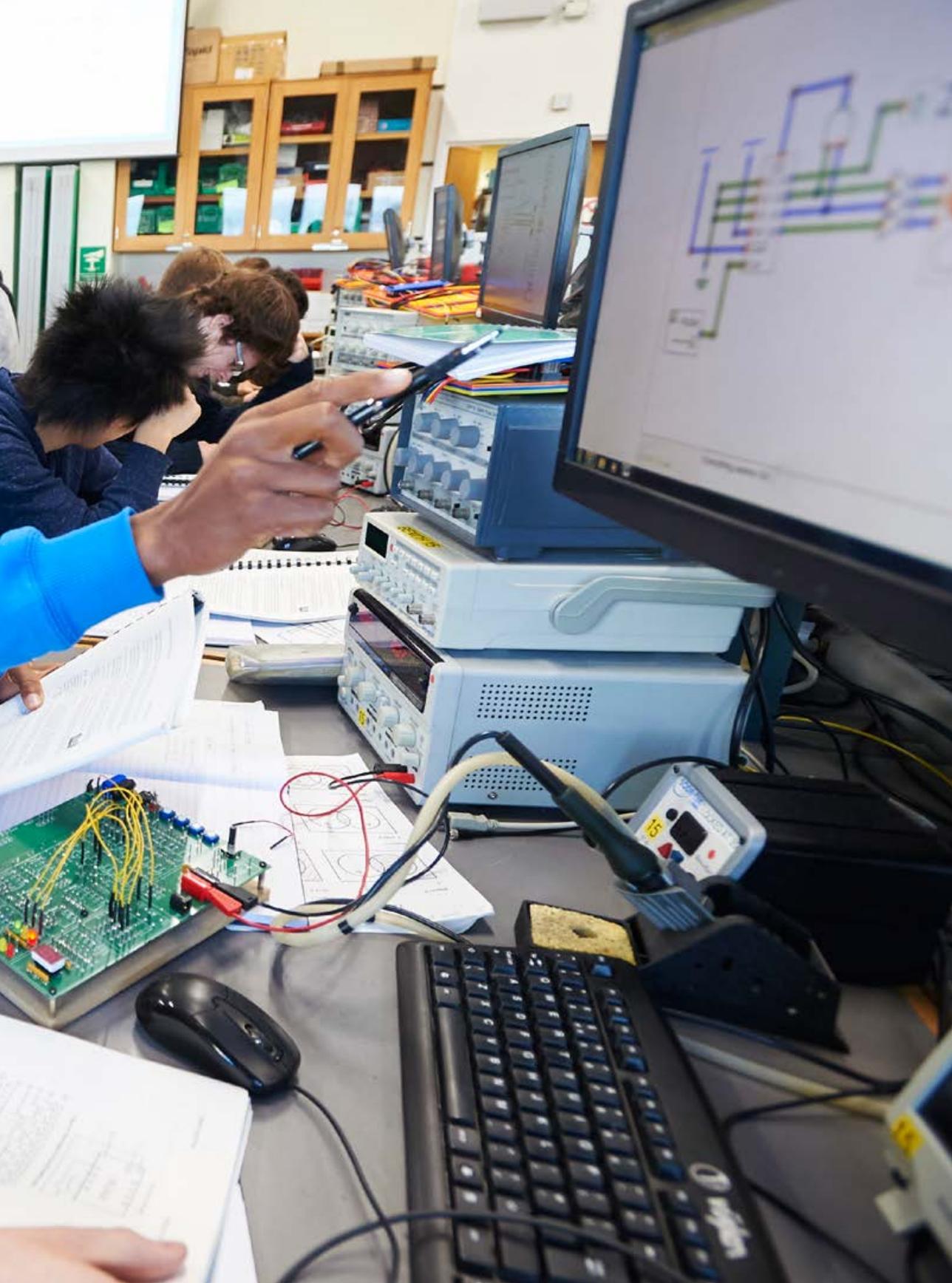
We have excellent links with national and international arts and heritage organisations which are of great benefit to students when researching their career options.

Examples of recent graduate employment include:

- |                        |                      |
|------------------------|----------------------|
| ▪ Gallery Director     | ▪ Charity Fundraiser |
| ▪ Conservation Officer | ▪ Curator            |
| ▪ Editor               | ▪ Art Consultant     |
- for a wide range of employers, such as:
- |                            |                      |
|----------------------------|----------------------|
| ▪ National Museum of Wales | ▪ Christie's         |
| ▪ BBC                      | ▪ Philip Mould       |
| ▪ Sotheby's                | ▪ Museums Sheffield. |



You'll develop the skills to be at the forefront of your chosen career and prosper in a global workplace



# Language and Linguistic Science

You will graduate with skills in oral and written communication, problem solving, qualitative and quantitative analysis and collaborative work; these skills will serve you well in a broad range of professions

## Programmes

UCAS

### BA English Language and Linguistics

Q302

### BA Linguistics

Q101

### French

#### BA Linguistics with French

Q1R1

#### BA French and German Language

with a year abroad (4 year) RR12

#### BA French and Italian Language

with a year abroad (4 year) RR13

#### BA French and Spanish Language

with a year abroad (4 year) RR14

#### BA French and Linguistics

with a year abroad (4 year) RQ11

#### BA History/French (Equal)

(4 year) VR11

#### BA French/Philosophy (Equal)

(4 year) RV15

### German

#### BA Linguistics with German

Q1R2

#### BA French and German Language

with a year abroad (4 year) RR12

#### BA German and Italian Language

with a year abroad (4 year) RR23

#### BA German and Spanish Language

with a year abroad (4 year) RR24

#### BA German and Linguistics

with a year abroad (4 year) RQ21

#### BA German/Philosophy (Equal)

(4 year) RV25

### Italian

#### BA Linguistics with Italian

Q1R3

#### BA French and Italian Language

with a year abroad (4 year) RR13

#### BA German and Italian Language

with a year abroad (4 year) RR23

#### BA Italian and Spanish Language

with a year abroad (4 year) RR34

#### BA Italian and Linguistics

with a year abroad (4 year) RQ31

### Spanish

#### BA Linguistics with Spanish

Q1R4

#### BA French and Spanish Language

with a year abroad (4 year) RR14

#### BA German and Spanish Language

with a year abroad (4 year) RR24

#### BA Italian and Spanish Language

with a year abroad (4 year) RR34

#### BA Spanish and Linguistics

with a year abroad (4 year) RQ41

### Other combined programmes

#### BA English/Linguistics (Equal)

QQ31

#### BA Linguistics/Mathematics

(Equal) QG11

#### BA Philosophy/Linguistics

(Equal) VQ51

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutors

Dr Ann Taylor  
Dr Tamar Keren-Portnoy

#### Telephone

+44 (0)1904 322650

#### Website

[york.ac.uk/language](http://york.ac.uk/language)

**Email** [linguistics-ug-admissions@york.ac.uk](mailto:linguistics-ug-admissions@york.ac.uk)

**2015 Applications** 783

**2015 Admissions** 142

### TYPICAL OFFERS

#### A levels

AAB/ABB  
AAA for VR11

#### IB Diploma Programme

35/34 points (may vary for combined programmes)

36 points for VR11

#### BTEC Extended Diploma

DDD (may vary for combined programmes)

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

For French programmes, we require a B at A level or equivalent in French

For combined programmes: English Literature for QQ31, History for VR11, Mathematics for QG11  
Excluding General Studies

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING LANGUAGE AND LINGUISTICS

Linguistics is the science of language. Linguists seek to understand the properties of all natural human languages – how they are structured, how and why they vary and change, how they are acquired, and how they are used by people to communicate.

### Facts (a few of many)

- There is no single word in French to translate *shallow*.
- To translate *blue* into Russian one is forced to choose between two words, *goluboj* and *sinij*.
- Although *must* and *have to* share the same meaning, their negative forms *mustn't* and *don't have to* do not. And although *don't have to* is the negative form of *have to*, in Standard English you can't say *don't must*.
- Terms like *mama*, *papa*, *dada*, *nana* occur in the 'baby talk' of most languages.
- The sound *s* occurs in around 83 per cent of the world's languages, whereas click sounds (similar to the sound you make when tutting) only occur in a handful of languages from southern Africa.

### Questions (a few of many)

- Why are Urdu and Hindi considered to be different languages when speakers of one can understand the other?
- Why is it that Mandarin and Cantonese are considered to be dialects of Chinese when one is hardly comprehensible to speakers of the other?
- What goes on in people's minds when they make speech errors such as 'tips of the slongue' instead of 'slips of the tongue'?
- Are the dialects of Yorkshire and other parts of Northern England losing their distinctiveness?
- How can linguists help the police with their enquiries?

## LANGUAGE AND LINGUISTICS AT YORK

Why study Language and Linguistic Science at York? Our foreign language programmes develop proficiency in the comprehension and production of the target language. Our English language programmes teach the history and structure of the language and its role in society. Through these programmes we develop confident, capable language students with a genuine enthusiasm for the study of their language. For our students, learning languages is enhanced through studying linguistics.

The Department of Language and Linguistic Science:

- is a leading centre for teaching and research in empirical and theoretical linguistics
- offers in-depth training in modern foreign languages and cultures, and in communicative skills that are vital for a variety of careers
- was ranked second for the proportion of 'world-leading' research activity in the 2014 Research Excellence Framework assessment
- provides a friendly and supportive environment prioritising students' personal development and welfare, reflected in high satisfaction scores in the NSS.

Here are some of the distinctive aspects of the student experience in our Department.

1. Linguistics and Modern Languages are taught in the same department and the two kinds of programmes complement each other. Our students often find that training in theoretical linguistics helps in their language learning and vice versa.
2. In French, German, Italian and Spanish programmes, we emphasise oral and written fluency and language use in social and cultural contexts. Classes, including content modules, are taught in the target language.
3. In English programmes, our focus is on the structure and history of English, how English is used, and how English varies across time, region and style.
4. There are no compulsory literature courses in our single subject degrees.
5. Our programme structure is modular. This allows students considerable flexibility in shaping coursework to their own individual interests. Assessment is completed by the end of each module, which means that assessed work is spread throughout the degree programme.
6. We offer research-led teaching in linguistics, with an increasing emphasis on 'hands-on' work as you progress through the degree. You will be taught by world leaders in their field, in language acquisition, phonetics/phonology, sociolinguistics, syntax/ semantics, typology and historical linguistics.
7. We offer both depth and breadth of module choices, with a very large range of final year modules to choose from. The Department houses a bespoke computer laboratory for our students' use, giving access to specialist software, language data for corpus analysis and language-learning materials.

## OUR PROGRAMMES

We see it as a priority to teach languages and linguistics alongside each other, so we offer both, in one department.

We have five types of degree:

- Linguistics
- English Language and Linguistics
- one language and Linguistics (French, German, Italian or Spanish)
- two languages and Linguistics (French, German, Italian or Spanish)
- combined degrees with other subjects: 'language + X' or 'Linguistics + X'.

You can find the most up-to-date information on the full structure and content of all of our degree programmes on our website: [york.ac.uk/language/undergraduate](http://york.ac.uk/language/undergraduate).

### How much language vs linguistics will I study?

If you study one language and linguistics you take between one third and one half of your modules each year in English Language, French, German, Italian or Spanish, and the remainder in linguistics. If you study two languages you devote about a third of your time to each language, and the remainder to either linguistics or other language modules. If you study Spanish, Italian or German 'ab initio' (without a prior A level or equivalent) you take half of your first year modules in that language.

You will have flexibility in tailoring the mix of language and linguistics modules you take to suit your developing interests. The amount of choice you have varies across programmes: there is less free choice in two-language programmes, or if you study a language ab initio, as you have to take a certain number of compulsory core language modules. All our programmes allow for optional choice modules to be taken in other departments.

### Do I need an A level in language?

We offer two types of language study: post-A level and ab initio. All our post-A level language routes require a B or above in the relevant language, or equivalent. Ab initio study is for those with GCSE, AS level, or no prior experience of studying the language. You can study French, German and/or Spanish post-A level, and German, Italian or Spanish ab initio.

In addition to single-language degree programmes, we offer two-language degrees. On these degrees you can study two languages post-A level, or one post-A level and one ab initio. For our English Language and Linguistics programmes we welcome applicants who have qualifications in languages, but we do not formally require specific qualifications.

### Can I study a language in BA Linguistics?

Yes, in BA Linguistics you take two language module options in your first year, in English language, or one of 14 other languages with the Languages for All team (see page 17).

### Combined degrees?

We offer a selected range of specially designed combined degrees with other departments, including English and Related Literature, Philosophy, History and Mathematics (see list on page 126). If your programme is a 'Language + X' degree you take compulsory language modules each year, then choose any option modules in either language or linguistics (or in your other subject). If your programme is a 'Linguistics + X' degree, you take compulsory modules in linguistics in the first and second year, then choose any option modules in linguistics or in your other subject. See our website for full details.

## WHAT YOU STUDY

### Linguistics modules

We do not assume that you know any linguistics when you come to us, so our first year foundation modules provide a broadly-based introduction to the subject, covering language and its role in society, the study of speech production and the structure and meaning of linguistic expressions. There are four first year core modules, in Phonetics and Phonology, Syntax, Sociolinguistics and Semantics. If you are studying just linguistics, or one language and linguistics, then all four are compulsory, whereas students studying two languages or on combined programmes take a subset of these modules.

Beyond the first year, the amount of choice you have over which modules you study varies, depending on your programme. If you are studying one language (English, French, German, Italian or Spanish) with linguistics in a single subject degree then most of your second and third year modules can be chosen from a list of options. If you are studying two languages throughout your degree or if you are on a combined programme then you choose from a more restricted subset of modules to satisfy your degree requirements. Some examples of second and third year linguistics modules offered in recent years are:

- Neurolinguistics
- Bilingualism
- Formal Semantics
- Introduction to Language Acquisition
- Forensic Phonetics
- Language and Identity
- Phonetics of Talk in Interaction.

## French, German, Italian and Spanish modules

On language programmes one third of each year is devoted to modules in each of your languages (one half in the first year for ab initio language). You then make further choices from a range of options including additional modules in your degree language(s).

Modules in French, German, Italian and Spanish are designed to give you maximum proficiency in the skills of reading, writing, speaking and understanding the language. All core language classes are taught in the target language, through seminars and practicals. You will study culture, society and current affairs, as well as grammar and use of language. Activities consist of conversation, reading, presentation of talks on prepared topics, essay writing, textual analysis, translation into English, and exercises on points of grammar, style and pronunciation. Additional modules will enable you to explore in detail aspects of the linguistic system of French, German, Italian or Spanish or the social and political impact of the languages.

Examples of modules offered in recent years include:

- French/German/Italian/Spanish Language and Society
- European Cinema
- Translation Methodology and Practice
- The Berlin Republic
- France and the Second World War
- Latinos in the USA
- Phonetics of a Foreign Language.

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*The course at York looked fascinating and has an impressive choice of modules. As I'm intrigued by the Spanish- and French-speaking worlds, my year abroad teaching in Argentina and France was incredibly enriching. My languages improved, and I met people and saw things I never would have otherwise! It has been awesome being taught by staff who have a real passion for their specialisms."*

**Rob (BA French and Spanish language, 4th year)**

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## English modules

Our English modules focus on the structure and history of the English language. (Our English degree programmes are not designed to teach you to speak or write English.) The first year modules in English introduce you to the grammar and history of the language from the earliest times. You will investigate both modern and historical data to learn about developments in phonology, morphology, vocabulary and syntax. In later years a wide range of modules is available, including: modules applying linguistic analysis to modern English; history modules offering a deeper look into linguistic features and developments over time; and modules focusing on the relation of language to social and cultural issues in English-speaking societies.

Examples of modules offered in recent years include:

- History of English
- Prosody of English
- Pragmatics
- Teaching English as a Foreign Language
- Forensic Phonetics
- World Englishes
- Language and Discrimination
- Old English.

## TEACHING AND LEARNING

Teaching methods vary according to the type and level of the module. First year linguistics modules are taught in lectures of about 130 students, together with smaller group sessions of 15–20 students each. French, German, Italian and Spanish modules involve small group classes for language work based around student presentations with immediate feedback. Higher-level taught linguistics modules may involve seminars, work in the phonetics laboratory and student-led presentations. There are also opportunities to undertake independent research, where individual guidance is provided by a tutor.

You can usually expect an average of three contact hours per module per week. In French, German, Italian and Spanish weekly totals vary but typically range from three to five contact hours a week.

## STUDY ABROAD

On our four-year foreign language programmes, all students spend the third year in a French-, German-, Italian- and/or Spanish-speaking country.

All students are guaranteed a university place. Students of German currently go to universities in Braunschweig, Erfurt, Graz (Austria) or Regensburg; students of French currently go to universities in Aix-en-Provence, Lille, Paris, Toulouse, Liège or Geneva; students

of Spanish go to universities in Madrid, Santiago de Compostela or Puebla (Mexico); and students of Italian go to Reggio Emilia or Siena. At the university where you are placed, you register for a full programme of modules, normally on language, history and culture, and linguistics. You will have access to a local tutor who provides advice and assistance and who sends reports on your progress to York.

Alternatively you can apply to work as a language assistant with the British Council English Language Assistant Scheme in a college or school abroad, or apply for a commercial work placement. The Department will assist you through the search and application process, but such work placements cannot be guaranteed. Working abroad allows you to experience life in a foreign culture and develop proficiency in your language of focus, while at the same time gaining employment experience.

On two-language programmes you spend one semester in a society where one of your target languages is spoken natively, and the second semester in a society home to your second target language. If you choose to drop one of your two languages after your second year, you spend the whole of your year away in one country.

We also participate in a study abroad exchange programme through which students on any degree can apply to spend a year abroad in one of a number of partner universities in North America, South Africa, Australia and Asia. Check the current list of partner universities here: [york.ac.uk/studyabroad](http://york.ac.uk/studyabroad).

## ASSESSMENT

A variety of assessment methods is used. Introductory modules are assessed by a mix of coursework and written examinations. Higher-level modules typically involve submission of exercises, essays, practical projects or dissertations. French, German, Italian and Spanish degrees also include oral exams.

## ADMISSIONS

We are looking for students who are strongly motivated towards our programmes. You should be keen to study language and have an aptitude for its study. You must be interested in language as a natural and social phenomenon and in the linguistic approach to the study of modern languages.

We are happy to consider applications with any pattern of school subjects. A background of study in Modern Languages, English or Classics is obviously suitable, but we are also enthusiastic about historians, mathematicians, and natural and social scientists. A working knowledge of a language other than English can be an advantage but is not required.

Because our French, German, Italian and Spanish

programmes are designed to promote fluency in the languages, we do not normally allow native or near-native speakers of French, German, Italian or Spanish to study their own language.

In the initial selection process a good deal of weight is given to the report of the confidential referee and to the applicant's own personal statement. Applicants to whom places are offered are invited to visit the Department on visit days held in the winter or spring.

We normally expect applicants to have at least three good passes at A level. We welcome comparable qualifications, and consider each application on its merits, especially in the case of mature and overseas applicants. If English is to be your language specialism then A level or equivalent qualifications in English Language are desirable but not essential.

## WHAT OUR GRADUATES DO

Our graduates have an excellent record of pursuing fulfilling career paths, in employment (such as advertising, retail management, teaching English as a foreign language, IT, accountancy or broadcasting) or in further study (for example, teacher training, speech and language therapy, forensic speech science or research degrees). The majority of our graduates obtain graduate-level employment or a place on a postgraduate course within six months of completing their degree.

Our graduates are in demand in a wide range of fields in the UK, Europe and further afield. This is because, in addition to their knowledge of languages, they have the confidence and skills that come from successfully completing a demanding degree programme and participating fully in university life. Through the study of language and linguistics, our Department teaches a broad set of skills – expository writing, critical thinking, quantitative analysis – that are in demand in many areas of contemporary employment.

Examples of recent graduate employment include:

- International Campaign Assistant
- Technical Writer
- Translation Project Manager
- Learning and Development Consultant
- Freelance Travel Writer
- IT Developer

for a wide range of employers, such as:

- Teach First
- Leo Burnett Group
- IBM
- British Council
- Capita Sims
- Myers Clark.

# Law School

Active researchers and current practitioners have created a programme to reflect the best of modern legal educational methods along with academic rigour and depth

## Programmes

## UCAS

<b>LLB Law</b>	M100
<b>LLB Law</b> (Senior Status) (2 year)	M101
<b>MLaw</b> (4 year)	M104

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutor

Dr Laurence Etherington

#### Telephone

+44 (0)1904 325804

#### Website

[york.ac.uk/law](http://york.ac.uk/law)

**Email** [law-ug-admissions@york.ac.uk](mailto:law-ug-admissions@york.ac.uk)

**2015 Applications** 1,168

**2015 Admissions** 183

### TYPICAL OFFERS

LLB Law and MLaw:

**A levels** AAA or A\*AB  
or A\*A\*C

#### **IB Diploma Programme**

36 points

#### **BTEC Extended Diploma**

DDD

LLB Law (Senior Status):

2:1 degree or international  
equivalent

### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING LAW

Law permeates most aspects of our daily life.

The academic study of Law therefore focuses not just on actual legal rules, but also on the complex network of relationships and transactions they regulate. In the course of a Law degree, students learn to bring skills of analysis, reasoning and judgement to bear on topical questions with ethical, political and social dimensions, as well as on the legal aspects of ordinary, everyday interaction. This makes studying Law demanding and intellectually challenging but, at the same time, a lot of fun. As a result, a Law degree is widely seen as giving graduates a strong grounding in the logical, intellectual and social skills that higher-level jobs demand.

## LAW AT YORK

York Law School delivers innovative programmes designed to provide you with the intellectual challenge of an academic discipline while simultaneously preparing you for practice. It is based on the principle that a student of Law must see and understand law in its historical, social and theoretical contexts, while also developing the skills and techniques to work with the law in a practical context.

In the 2014 Research Excellence Framework

assessment, the Department was ranked fifth overall in the UK and joint first for the quality of its research. Our School consists of active researchers, a number of whom have a background in practice, assisted by practitioners from local and national law firms, placing it in an ideal position to deliver a programme which reflects the best of modern legal educational methods, along with an academic rigour and depth.

## OUR PROGRAMMES

At York Law School we offer two- and three-year programmes leading to the award of the degree of LLB (Hons). Our two-year Senior Status degree is an accelerated version of the three-year programme, open to those who have completed a first undergraduate degree. We also offer a four-year programme (MLaw) designed to develop legal knowledge and skills beyond undergraduate level. The programme has been designed in light of the Solicitors Regulation Authority's Statement of solicitor competence, but with the aim of preparing students for professional practice more broadly. The programmes consist of three streams:

- the Foundation Stream, comprising the core subjects of legal knowledge

- the Clinical Stream, comprising modules which concentrate on the accumulation of more specialised legal knowledge, the application of law and legal skills in real-world contexts and the development of generic business awareness and skills
- the Law and Society Stream, comprising an interdisciplinary programme of law-related subjects placing the law in its social and theoretical contexts.

Following the MLaw, you will be best prepared to take up career opportunities across a range of legal and other professional practices, having completed a programme unique in its integration of legal knowledge and skills.

## WHAT YOU STUDY

The Foundation Stream contains subjects that are part of the academic stage of training for the legal profession. They include subjects such as Criminal Law, Property Law, the Law of Obligations, European Union Law and Public Law.

You will also take discrete modules dedicated to introducing you to the social and theoretical aspects of law, and to developing legal skills, including critical reasoning, research techniques, negotiation and advocacy. From Year 2 you will also be able to choose from a broad range of options on the Clinical Stream and the Law and Society Stream.

Clinical Stream options include the Law Clinic, so real-world advice is integrated into the curriculum, applying legal skills to genuine cases.

The options on the Law and Society Stream combine an overview of the rules and principles of specific areas of law with a variety of perspectives on the ideological, philosophical and political aspects of the way these laws operate in society.

On the LLB programmes, you will also undertake a dissertation in a subject of your choice in Year 3, or may select this as a double option in Year 2 on the Senior Status programme.

Years 1 and 2 of the MLaw four-year programme mirror those for the three-year LLB. In Year 3, students take modules in Litigation Practice and Business Organisations, instead of the Dissertation (double) module. In Year 4, modules comprise higher-level legal practice and business skills, two options, and an extended legal practice simulation project.

York Law School works closely with local, national and international law firms and sets of chambers in planning, designing and delivering its curriculum. Leading organisations have committed to working with York Law School in selecting students, teaching across the curriculum, and offering work experience opportunities. The result is that theory and practice are closely woven into all years of the programmes.

## TEACHING AND LEARNING

A large part of the programme, including all Foundation Stream modules, will be delivered through problem-based learning. In small groups, together with a staff tutor, you will take on the role of a member of a 'law firm'. Each firm will be presented with different problems brought to them – often by 'clients' in a simulated practice setting. You will then begin by identifying the legal principles involved in the problem, the known facts and the facts that need to be ascertained, and, through the process of doing so, unravel the issues that lie at the heart of the problem.

These issues will then be explored through large group sessions that provide an overview of the topic, additional firm meetings and self-directed study. The firm reconvenes with their tutor to share their findings and discuss the results of the research. In some cases, the problem will then require the practical application of those skills in specific tasks, such as drafting and negotiating a contract with another firm. The problem cycle will conclude with a wrap-up session, where you will be directed towards considering and reflecting on deeper social and theoretical issues raised by the problem, such as the issues of justice, fairness and human rights that arise in everyday life.

As the programme progresses, the problems will involve increasingly advanced tasks, sometimes crossing subject and discipline boundaries, and more closely resembling complex real-life situations. Separate skills modules focus on building and reinforcing the practical and other skills relevant to the problems.

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 *The problem-based learning approach of Law at York is fantastic, allowing you to develop a greater understanding of the legal issues of any given topic. Small teams work together on legal problems and seminar work, creating a strong community feel. In our practical skills modules these firms represent clients in mock legal processes including negotiations, advocacy and interviews."*

**Ben (LLB Law, 2nd year)**

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The options on the Law and Society Stream may be delivered through more traditional large group lecture and small group seminar sessions. These sessions aim to stimulate questions rather than provide answers, conveying a sense of the social and cultural context of law and its integration with other disciplines. Much of the teaching on these options is done in collaboration with other departments within the University.

The methods of teaching and learning used in this programme require a great deal of work and interaction. The result is a programme that is demanding, but which can also be a lot of fun, and which facilitates a much deeper understanding and appreciation of the law.

## STUDY ABROAD

The Law School has opportunities for studying abroad as part of the degree. These opportunities are focused on Singapore and Hong Kong. There are also opportunities to participate in international law clinic projects. Awareness of the global legal environment is important in the Clinical Stream and Law and Society Stream; optional modules cover topics such as elements of international commercial law and international human rights.

## ASSESSMENT

The assessment methods that we use at York Law School have been designed to suit the programme's unique structure, and to make assessment exercises part of the learning experience. The Foundation Stream examinations are structured in a manner that reflects the problem-based nature of the programme.

Many modules, including the Foundation Stream modules and modules on the Clinical Stream, are also assessed through coursework and reflective reports tied to different learning activities throughout the year.

Modules offered as part of the Law and Society Stream are assessed in different ways, involving examination and/or coursework.

## ADMISSIONS

Our selection procedure is structured to identify students able to engage critically with the distinctive blend of different teaching and learning styles at York Law School. Selection is a two-stage process, involving scrutiny of all UCAS forms, followed by an invitation to interview for selected applicants. A detailed guide to the interview process is available on the Law School website.

Decisions are made based on the following generic criteria:

- enthusiasm and suitability for problem-based learning
- an ability to work effectively and collaboratively in groups

- academic ability, judged by prior or predicted academic performance
- evidence of motivation and reasons for wanting to study Law
- an understanding of contemporary issues relating to law and the legal profession
- written and oral communication skills
- evidence of conscientiousness, self-motivation and responsibility, and an appropriate level of maturity
- an aptitude for rigorous, independent thought.
- York Law School is committed to widening access, and the selection process takes account of educational, social, health and other personal disadvantages.

Each application is considered individually and on its merits. We welcome applications from mature students, who in our view bring a breadth of skills and experience to a problem-based learning environment.

## WHAT OUR GRADUATES DO

We have developed a pioneering Careers and Development Programme, which is delivered in collaboration with leading local, national and international firms and the main vocational providers. The programme includes talks by practitioners and others giving insights into the working lives of legal professionals, workshops for building professional skills and personal development, and 'link days' designed to give you real-world legal experience in a practice environment.

York Law School is a thriving research environment and so naturally we offer a number of postgraduate opportunities should you wish to take your studies further.

The combination of these activities with a problem-based academic programme puts you in an excellent position to make well-informed decisions about your career, and to set and achieve goals for and in your future working life.

Examples of recent graduate employment include:

- |                               |                          |
|-------------------------------|--------------------------|
| ▪ Solicitor                   | ▪ Barrister              |
| ▪ Graduate Management Trainee | ▪ Communications Manager |
| ▪ Technical Writer            | ▪ Paralegal              |
- for a wide range of employers, such as:
- |                 |                   |
|-----------------|-------------------|
| ▪ Hogan Lovells | ▪ Deloitte        |
| ▪ Linklaters    | ▪ Marks & Spencer |
| ▪ DLA Piper     | ▪ NHS.            |

# Management School

*"My degree in Business and Management has provided me with an extremely strong skill set to enter the world of work and compete with talented graduates from other top institutions"*

Recent graduate

Programmes	UCAS
<b>BA Business and Management</b>	N200
<b>BSc Business and Management</b>	N202
<b>BA Business and Management</b> with a year in industry (4 year)	N203
<b>BSc Business and Management</b> with a year in industry (4 year)	N204
<b>BSc Accounting, Business Finance and Management</b>	NN42
<b>BSc Accounting, Business Finance and Management</b> with a year in industry (4 year)	NN4F
<b>BSc Marketing</b>	N500
<b>BSc Marketing</b> with a year in industry (4 year)	N501
<b>BSc Actuarial Science</b>	NG31
<b>BSc Actuarial Science</b> with a year in industry (4 year)	NG32

*Courses are three-year programmes unless otherwise stated*

## KEY FACTS

### Admissions Tutor

Jocelyn Hayes

### Telephone

+44 (0)1904 325032

### Website

[york.ac.uk/management](http://york.ac.uk/management)

### Email

[management-undergrad@york.ac.uk](mailto:management-undergrad@york.ac.uk)

**2015 Applications** 1,560

**2015 Admissions** 249

## TYPICAL OFFERS

### A levels

AAB

AAA for Actuarial Science

### IB Diploma Programme

35 points

36 points for NG31, NG32

### BTEC Extended Diploma

DDD

## Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

## ESSENTIAL SUBJECTS

GCSE Mathematics grade B for BSc routes excluding N500 and N501

GCSE Mathematics grade C for BA routes

A level Mathematics for NG31 and NG32

## ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING MANAGEMENT

In a dynamic and interconnected global economy, the role of management has never been more important. Good management is vital whether the organisation is a start-up business trying to bring a new product to market, an established company seeking to manage its people better, or a not-for-profit firm wanting to ensure that it operates in a socially responsible manner. Organisations also have to develop the capacity to cope with the demands of a rapidly changing world where there is increased risk and uncertainty, and where management decisions are highly complex. This is particularly critical in a globalised business

environment and hence managers need to possess a high degree of cultural awareness with the capability to think internationally.

## MANAGEMENT AT YORK

The York Management School provides a focal point for the delivery of undergraduate and postgraduate degrees that are of the highest calibre. Due to our success, the School has grown significantly in recent years, yet we have still managed to maintain a distinctive collegiate and supportive atmosphere. The School seeks to provide a first-class teaching and learning experience for all its

students, which is achieved in a number of ways.

The staff employed by the School have an in-depth expertise in their respective subject areas and are highly respected within the academic community. You will be taught by academics who are passionate about their subject and this creates a dynamic and exciting learning environment.

There is a thriving research culture within the School and staff publish leading-edge research within world-class journals in areas as diverse as human resource management, business history, social entrepreneurship, international marketing, organisational theory, risk, and gender issues. In the 2014 Research Excellence Framework assessment, a significant majority of the Department's research activity was designated 'world-leading' or 'internationally excellent'.

Students in the School become members of a community of scholars and have the opportunity to discuss issues related to management and accounting with tutors who are at the forefront of knowledge in their discipline. We have links with the business community whose leaders deliver invited lectures and seminars on a regular basis.

Whether you go into employment after graduation or decide to embark on further postgraduate study you will be fully equipped for the challenges that lie ahead.

## OUR PROGRAMMES

Business and Management degree programmes embrace diverse areas, including organisational behaviour, strategy, culture and internationalisation of businesses.

Business finance and accounting are areas that require technically demanding specialist knowledge. Accounting uses financial information to aid companies in their strategic decision making and business finance is primarily concerned with all aspects of increasingly complex financial markets.

Our Marketing degree programme has been designed to equip you with the relevant skills, expertise and understanding of marketing techniques and strategies for a successful career in marketing at national and international levels.

Acquiring up-to-date knowledge and understanding of key marketing areas, such as brand management, digital marketing, research analytics, ethical marketing or cross-cultural aspects of marketing, is becoming increasingly important in the business environment.

The BSc Actuarial Science programme is offered jointly with the Department of Mathematics. It prepares you for a career as an actuary, or more broadly, any professional or academic career that requires a solid grounding in mathematics and its application to business and management.

The first year of each degree programme provides

a thorough introduction. Second and third years of the programmes build on the knowledge acquired in the first year. As a result, our degree programmes produce graduates who are able to show depth and breadth in their knowledge.

### Year in industry

All of our undergraduate degrees have an optional placement year in industry, which helps our students to become highly employable graduates with an understanding of the relevance of academic learning within an organisational context. A placement can help you gain many important work skills such as time management, team working, IT and communicating with colleagues. Students who do not undertake a placement are encouraged to seek internships instead. You will be supported in finding a paid placement or internship by the Placement Office and the School's Employability Officer who provides guidance on writing applications and on how to handle interviews and assessment centres. Students who are not successful in obtaining a placement or internship can transfer to the standard programme.

## WHAT YOU STUDY

Please note that the modules outlined on pages 135–137 are those currently planned for the 2017/18 student intake. The first year of BA and BSc Business and Management and BSc Accounting, Business Finance and Management all offer a common strong foundation for critical analysis and numerical underpinning, by developing your understanding of the business context of finance and accounting, organisational behaviour and of qualitative and quantitative methods.

### BA Business and Management

This programme will provide you with a range of knowledge and skills that will give you a firm underpinning in the key disciplines of business management.

In Year 2, you study six modules in more specialised areas such as Business Planning and learn more about Human Resource Management, Marketing and Information Systems.

In your final year you have the opportunity to specialise further in those areas that interest you most. Modules are organised into pathways and students normally choose two pathways. Pathway choices include Human Resource Management, Organisational Behaviour, Operations Management, Management and Strategy, and a dissertation pathway.

### BSc Business and Management

This programme is designed to develop your analytical problem-solving and decision-making skills to enable

you to work as a professional manager in business. Our modules will also enable you to put classroom knowledge into practice.

All Year 2 modules are core modules and include Knowledge Information Systems, Business Planning and Strategic Management.

Final year core modules include: Business Consultancy Projects, Decision and Information Analysis, and Supply Chain Management. You also select one pathway from Human Resource Management, Organisational Behaviour, Management and Strategy, and a dissertation pathway.

The BSc Business and Management programme is accredited by the Institute of Operations Management.

## BSc Accounting, Business Finance and Management

This is a specialist degree combining the three important areas of accounting, finance and management. This programme provides accounting and business finance knowledge while exploring the problems and difficulties encountered in applying this knowledge in practice. A distinguishing feature of our programme is that it also examines key management topics which helps understand organisational decisions that draw upon accounting and finance expertise. You will be expected to think critically and creatively and encouraged to develop your own ideas.

In Year 2 you will develop specialist technical knowledge in Advanced Quantitative Methods, Business Planning, Corporate Finance, Financial Reporting, Governance and Audit, Intermediate Management Accounting and Strategic Management.

In your final year you build on your knowledge with modules on Advanced Financial Reporting, Capital Markets, Critical Perspectives on Accounting, Finance and Management Accounting Control Systems, and two optional modules.

The BSc Accounting, Business Finance and Management is accredited by the Institute of Chartered Accountants in England and Wales (ICAEW), the Chartered Institute of Management Accountants (CIMA) and by the Chartered Institute of Public Finance and Accountancy (CIPFA). Graduates can claim exemption from a number of the ICAEW and CIPFA professional stage and CIMA examinations.

## BSc Marketing

This specialist degree offers a wide range of marketing-related modules. The programme includes some special sector-specific option modules. Module assessments are innovative in approach, with students carrying out real-life, in-company consulting reports. We have also partnered with L'Oréal to embed their Brandstorm competition into one of our second year modules.

Your first year study path includes: The Essentials of Marketing and Communications, Understanding the Context of Business, Finance and Accounting, Organisational Behaviour, and Quantitative Methods.

In Year 2 you further develop your knowledge with modules on Consumer Behaviour, Marketing: Entrepreneurship and Innovation, Research and Analytics in Marketing, Business Planning, and Ethical Marketing. You also choose a module from Heritage Marketing and Management, Management of Human Resources, Project and Operations Management, Knowledge Information Systems, or Strategic Management.

In your final year you take Cross-cultural Marketing and Negotiation, Pricing, Value Chain and Logistics, and International Marketing Strategy; with three option choices from E-Marketing, Branding Strategies, Relationship Marketing, Marketing in the Creative Industries, and Business Consultancy Projects.

The programme carries the Chartered Institute of Marketing Professional Certificate Accreditation.

## BSc Actuarial Science

You will take specially designed modules in actuarial topics, together with mathematics and statistics.

In your first year you study core modules in mathematics and management. These include Mathematics for the Sciences 1 and 2, Introduction to Probability and Statistics (in the Department of



*I was attracted by the year in industry, which I spent working in Canary Wharf. The experience definitely helped me secure a job at a top investment bank. Staff at York draw on their own experience of working with leading firms to teach industry-relevant material, preparing you to succeed in the world of work. I particularly enjoyed the Business Planning project, which enhanced my teamwork and leadership abilities."*

**Angus (BSc Accounting, Business Finance and Management with a year in industry, 4th year)**

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Mathematics); Business Economics, Finance and Financial Analysis, Financial Accounting, Management Accounting.

In Year 2, you deepen your knowledge of probability theory, statistics and finance, and follow specialist actuarial modules such as Introduction to Actuarial Science and Actuarial Modelling. Then you choose one or two modules from Financial Reporting, Intermediate Management Accounting, Strategic Management and Governance and Audit.

Your final year further extends your knowledge of finance, probability theory (Stochastic Calculus, Stochastic Processes), statistics (Time Series and Generalised Linear Models), and actuarial science (Contingencies), and you learn about decision theory and Bayesian analysis. Finally, you choose one module from Corporate Governance and Social Accountability, Strategic Management of Risk, and Company Law.

## TEACHING AND LEARNING

The School offers a varied and stimulating learning environment and our programmes incorporate a range of different teaching and learning styles. As well as the whole group lecture format, our programmes involve tutorials, student-led seminars, group work and individual project work. You will draw upon innovative learning resources, including the virtual learning environment, and study a range of materials during your programme. You will be assigned an academic member of staff to act as your personal supervisor throughout your degree, who will take a special interest in both your academic study and your general wellbeing.

## STUDY ABROAD

International employers are increasingly seeking graduates who have global awareness and experience of working internationally. Opportunities for study abroad are available to students enrolled on three-year programmes, at the end of the first year. The York Management School has developed strong academic links with selected universities in many countries from France and Italy to Hong Kong and Taiwan.

Our partner institutions include the University of Denver, the University of Illinois, the University of Pennsylvania, Rutgers University, the University of British Columbia at Okanagan, York University in Canada, the National Chengchi University in Taiwan, the National University of Singapore, the Chinese University of Hong Kong, the University of Hong Kong and the University of Sydney.

For full details of opportunities, see [york.ac.uk/ug-study-abroad](http://york.ac.uk/ug-study-abroad).

## ASSESSMENT

Module assessment can be based on an individual written assignment, a group project, an oral presentation, real-life company consulting reports, participation in class and examinations, or may combine these approaches. Assessment enables us to measure what you know, your interpretation and views about study materials, and your ability to apply particular skills. Feedback to students from academic staff forms an important, integral part of the learning process.

## ADMISSIONS

Admission is based entirely on merit and on the ability to achieve. We aim to select those students most academically able to flourish in a challenging but rewarding domain of study. We also welcome applications from mature students and those seeking to access our programmes via non-traditional pathways.

## WHAT OUR GRADUATES DO

Our graduates progress to a wide variety of occupations after leaving the University. Our degrees are designed to equip you with a broad range of knowledge in the management field as well as skills desired by employers. These include the ability to communicate effectively, work in a team as well as independently, manage projects and solve complex problems. This will enable you to enter careers in the financial services sector, the accounting profession and all aspects of business and management, in a wide range of organisations. Our programmes also equip you to progress to further postgraduate courses of study, including our research degrees and specialist Masters programmes.

Examples of recent graduate employment include:

- Accountant
- Risk Analyst
- Retail Management Graduate
- Digital Marketing Executive
- Employment Law Adviser
- Media Assistant

for a wide range of employers, such as:

- Microsoft
- Kantar World Panel
- Bank of New York Mellon
- Teach First
- KPMG
- HSBC.

# Mathematics

We place particular emphasis on small group tuition and an informal atmosphere. Our aim is to create a supportive culture in which students share in the intellectual excitement of Mathematics

## Programmes

UCAS

<b>BSc Mathematics</b>	G100	<b>BSc Computer Science/ Mathematics (Equal)</b>	GG41	<b>BSc Economics/ Mathematics (Equal)</b>	LG11
<b>BSc Mathematics</b> with a year in Europe (4 year)	G101	<b>BSc Computer Science/ Mathematics (Equal)</b> with a year in industry (4 year)	GGK1	<b>BA/BSc Mathematics/ Philosophy (Equal)</b>	GV15
<b>MMath Mathematics</b> (4 year)	G102	<b>MMath Mathematics/ Computer Science (Equal)</b> (4 year)	GG14	<b>BSc Mathematics/Statistics</b>	GG13
<b>BSc Actuarial Science</b>	NG31	<b>MMath Mathematics/Computer Science (Equal)</b> with a year in industry (5 year)	GG1K	<b>BSc Mathematics/Finance</b> (Equal)	GL11
<b>BSc Actuarial Science</b> with a year in industry (4 year)	NG32			<b>BA Linguistics/Mathematics</b> (Equal)	QG11
<b>BSc Mathematics/Physics</b> (Equal)	GF13			Natural Sciences – see page 151	
<b>BSc Mathematics/Physics</b> (Equal) with a year in Europe (4 year)	GFD3			<i>Courses are three-year programmes unless otherwise stated</i>	
<b>MMath Mathematics/Physics</b> (Equal) (4 year)	GFC3				

### KEY FACTS

#### Admissions Tutors

Dr Chris Wood  
Dr Brent Everitt

#### Telephone

+44 (0)1904 322708

#### Website

[maths.york.ac.uk](http://maths.york.ac.uk)

#### Email

[maths-undergraduate-admissions@york.ac.uk](mailto:maths-undergraduate-admissions@york.ac.uk)

**2015 Applications** 820

**2015 Admissions** 188

### TYPICAL OFFERS

**A levels** AAA/AAB

**IB Diploma Programme**  
36/35 points including HL 6  
in essential subjects

**BTEC Extended Diploma**

DDD (may vary for  
combined programmes)

### Other qualifications

For details of other  
acceptable qualifications  
go to [york.ac.uk/study/  
undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature  
students are welcomed and  
considered individually

### ESSENTIAL SUBJECTS

Mathematics at grade A  
at A level or equivalent  
Physics for GF13, GFD3  
and GFC3, and General  
Studies excluded for  
these programmes

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.0 with at least 5.5  
in each unit

For Equal combined  
programmes, see other  
subject page for IELTS score

## STUDYING MATHEMATICS

Mathematics underpins almost all of modern science and technology, and its applications in society range from economics and statistics to finance and IT. At school the emphasis tends to be on manipulation – moving symbols around the page – but university mathematics is primarily about the construction of elaborate and intellectually rigorous systems of knowledge, concerning patterns, numbers, geometry and many other abstract

concepts, and how to apply these systems in practical problem solving.

The high demand for mathematicians reflects the special transferable skills developed during three or more years studying Mathematics at university – namely, clear and logical thinking, analytical and problem-solving ability, effective communication of complex ideas and information, and numerical and programming skills.

Whether you wish to build the foundation for a rewarding career using some of its applications,

or simply enjoy the elegance of a mathematical argument and the challenge of problem solving, a degree in Mathematics could be for you.

## MATHEMATICS AT YORK

At York we place particular emphasis on small group teaching and a friendly atmosphere. Our comprehensive tutorial and seminar system gives extensive support to students throughout the degree.

Over 50 mathematicians are engaged in teaching, and are also active in developing the subject through leading international and interdisciplinary research. In the 2014 Research Excellence Framework assessment, 80 per cent of the Department's research activity was designated 'world-leading' or 'internationally excellent'. Our research includes all areas of mathematics – pure, applied and statistics (including mathematical physics, fluid dynamics, mathematical biology and mathematical finance). Thus we are able to offer a wide range of final year options and projects which encourage individual creativity and are taught and supervised by enthusiastic lecturers involved with the latest developments of their subject.

Transferable skills are developed during the entire degree programme, from first year tutorials all the way through to the final year project, supported by regular supervisory meetings.

## OUR PROGRAMMES

### BSc/MMath Mathematics

The three-year BSc programme is designed to train graduates for a wide range of careers in which generic skills from a Mathematics degree are valued, but direct use of mathematical knowledge may be less prominent.

The four-year MMath programme is designed for those with the ability and desire to study Mathematics at a higher level, including those who may wish to follow careers as professional mathematicians in industry or research.

Both programmes are designed to develop a range of skills that are in high demand by employers: in addition to the specialised mathematical knowledge needed in some careers (or for further study or research), there are transferable skills such as analytical thinking and problem solving, together with communication and presentation expertise. This is epitomised by the final-year project, a substantive individual mathematical investigation that many students find to be the highlight of their degree.

During the first two years it is generally possible, subject to making good progress, to switch between the BSc and MMath single subject programmes.

### Combined degree programmes

We offer a wide range of combined programmes, where you study Mathematics and another subject. Several are with naturally cognate subjects: Physics, Computer Science, Economics and Finance. Less obviously allied subjects are Linguistics and Philosophy.

Brief details follow; full information for each combined programme can be found on our website. All programmes involve the two subjects in roughly equal proportions, but with more flexibility in the final year. The distinction between three- and four-year versions (where available) is similar to that between the BSc and MMath Mathematics programmes.

### BSc Actuarial Science

Actuarial Science concerns the evaluation and management of financial risk. Students take modules in actuarial topics, mathematics, statistics, accounting, finance and management, which develop problem-solving skills. The course offers an optional year in industry, providing invaluable hands-on experience. Employment prospects are excellent, and students will be well prepared for a successful career in insurance, banking, government, or any sector where risk management is crucial. For further information see the Management School entry on page 134.

### BSc/MMath Mathematics/Physics

Mathematics and Physics are natural subjects to combine in a single degree, and particularly so at York, which has a wide range of theoretical physics research in both the Department of Mathematics and the Department of Physics. The Department of Mathematics has many theoretical physicists among its staff, and offers modules, up to and including Year 4, in general relativity and quantum field theory, and projects in related areas. The programme is available as three- and four-year variants. For further information see the Physics entry on page 165.

### BSc/MMath Computer Science/ Mathematics

These are naturally related subjects, and combined degrees are available in both BSc and MMath versions, as well as variants in which the penultimate year is spent in an industrial placement. Some (especially final year) modules occupy common ground between the two subjects.

The mathematics you learn – while stimulating and interesting in its own right – will enable you to better appreciate the theoretical and practical ideas that you will study in Computer Science. For further information see the Computer Science entry on page 88.

## BSc Economics/Mathematics

Explicit modelling and understanding of the interactions within economies nowadays requires highly technical tools: Economics is becoming an increasingly mathematical subject.

This degree equips students with an economically relevant mathematical toolbox and applies it to solving problems in economics. It is aimed at students planning to do technical work, such as designing analytical economic models and drawing from them conclusions, predictions and policy recommendations. See also the entry for Economics on page 93.

## BA/BSc Mathematics/Philosophy

Mathematics and Philosophy have occupied common ground from ancient times (Pythagoras) to modern (Russell), and share a commitment to intellectual rigour. Over the centuries, however, the two have diverged, establishing their own distinct cultural identities, and the degree programme reflects this, consisting of largely independent strands from the two departments. See also the entry for Philosophy on page 161.

## BSc Mathematics/Statistics

Wherever data is collected, there is a role for statisticians and a well-trained statistician can help advance society's knowledge and welfare. This degree equips students with a rigorous statistical background on a solid mathematical base. It teaches not only the tools required to analyse data, but also why and how they work. It is taught entirely within the Department of Mathematics.

## BSc Mathematics/Finance

In this programme students take modules within mathematics, statistics and financial economics. Mathematical finance is an increasingly technical profession practised by people with a strong background in mathematical sciences because of their quantitative skills. In addition to those skills, the industry is seeking graduates who are capable of carrying out sophisticated economic and financial analyses. This degree provides training in these areas. See also the entry for Economics on page 93.

## BA Linguistics/Mathematics

This three-year programme combines Mathematics with Linguistics, the rigorous study of all natural human languages – how they are structured, how and why they vary and change. The two subjects can be studied together quite naturally, as they both investigate patterns and structure in a rigorous and systematic manner. See also the entry for Linguistics on page 126.

## YEAR IN EUROPE

In the four-year programmes, Mathematics with a year in Europe and Mathematics/Physics with a year in Europe, you spend your third year studying at one of a number of continental European universities, supported by the EU Erasmus+ scheme. Classes in the language relevant to your year abroad will be available during your first two years in York. The language is usually French, German or Spanish, but other language exchanges can be handled by special arrangement.

In your first, second and fourth years you follow one of the BSc programmes in Mathematics or Mathematics/Physics.

## WHAT YOU STUDY

### Year 1

The first year develops areas that are familiar from A level Mathematics (or equivalent) with the goals of extending the range of techniques you can use and your ability to apply them, but also, importantly, understanding why they work and the underlying mathematical structures.

There are three great strands of mathematics: pure mathematics, applied mathematics and statistics. Pure mathematics is the study of the basic elements upon which all of mathematics is built. You will discover how seemingly simple definitions can, after some logical thought and argument, resolve into profound statements of truth called theorems. Applied mathematics uses these



*The course appealed to me because it encourages both breadth and depth of knowledge. If you're interested in topics for which no taught module is offered, there are still opportunities to study them through individual and group projects. I particularly enjoyed the module on fluids. My final year project examines different aspects of freak ocean waves, including the mechanisms which cause them."*

James (MMath Mathematics, 4th year)

---

results to model and understand the world around us. Statistics is the study of data, and in particular how to collect, analyse and present those data in order to obtain accurate information and make decisions.

In the first year of the Mathematics degree at York, you will be introduced to all three strands of mathematics. You will develop your skills in calculus and differential equations and learn how they can be applied in real-life situations. You will study analysis, which provides the precise foundation for calculus, and algebra, as both a fundamental skill and a gateway to abstract pure mathematics. Computational and writing skills are also developed.

## Year 2

With the first year providing the foundational basis for more advanced courses, in the second year you can pursue the subjects that most interest you, for example:

- Group Theory (the study of symmetry and structure, which has been applied to topics ranging from the physics of elementary particles to the structure of biological viruses)
- Applied Probability (the modelling of randomness in the world around us, used by weather forecasters, epidemiologists and financial traders)
- Classical Mechanics (the study of movement, from the motion of the planets to the spinning of a gyroscope).

All of these subjects lead on to a wide range of interesting final year modules.

## Final year of BSc programmes

One third of Year 3 is devoted to a substantial individual project, which also teaches writing and presentational skills. You can choose the mathematical topic that you want to investigate in your project, either from a list of suggested project titles or by coming up with a title of your own. The other two thirds consists of your choice of modules from across the full range of pure and applied mathematics (including statistics, finance and mathematical physics).

## Years 3 and 4 of MMath programmes

Year 3 of the MMath programme is similar to that of the BSc programme, but instead of an individual project you complete a group project.

Year 4 of the MMath programme involves an individual project which brings you to the research frontier, and a range of Masters-level modules, taught by active researchers in the field, which allow you to engage with exciting developments in the subject.

## Final year modules

Our web pages show the broad range of optional modules currently available in the later years of our

programmes. As well as covering all the main branches of modern mathematics, some of these modules reflect the special interests of members of staff, ensuring that you will be taught by lecturers who are at the forefront of their subject.

Examples of current final year modules include:

- Pure Mathematics: Differential Geometry, Functional Analysis, Topology, Abstract Algebra (Groups, Semigroups, Galois Theory), Number Theory, Dynamical Systems, Cryptography
- Applied and Applicable Mathematics: Fluid Dynamics, Numerical Analysis, Electromagnetism, Quantum Field Theory, Quantum Information, Relativity (Special and General), Partial Differential Equations (Applications and Numerical Methods), Mathematical Finance (Portfolio Theory, Derivatives, Black-Scholes Theory), Mathematical Biology, Ecological Modelling
- Probability and Statistics: Time Series, Bayesian Statistics, Multivariate Analysis, Stochastic Processes.

## Choosing your options

At all stages your personal supervisor and other members of staff can advise you about the best choice of modules, based on your interests and what you have previously studied.

## TEACHING AND LEARNING

For most modules, lectures are the main mode of teaching. These are supported in a variety of ways.

In your first year, you meet your supervisor once a week for a small group tutorial. In these informal sessions you discuss the core modules – usually this means reviewing any lecture material that is puzzling, discussing solutions to assignments, and developing your skills in understanding, creating and presenting mathematical arguments.

Non-core modules are supported by additional weekly small classes known as seminars.

Seminars continue through the second year, while in the third and fourth years the lectured modules are mostly in smaller groups and each has a weekly seminar or problem class.

Alongside the formal support teaching, we maintain an atmosphere of approachability among our staff. Lecturers are always available for informal consultation, and your supervisor can be approached at any time. If they do not have the answer, they will be able to direct you to someone who does.

In a typical week's teaching, you can expect between 10 and 12 lectures. With problem classes, seminars and tutorials you will have a total of about 15 and 18 timetabled hours. A comparable amount of independent

study (and discussion with fellow students) is expected and this forms an important part of your degree.

The final year project, taken by all single subject students, is supported by an individual project supervisor, who is available to provide guidance and advice.

## ASSESSMENT

Most modules are assessed by a written examination. Some modules may also include an amount of assessed coursework in the form of weekly or fortnightly assignments.

First-year modules do not count towards the final degree mark, but to progress it is necessary to pass them.

## ADMISSIONS

The fundamental criterion for admission is mathematical talent and the potential to benefit from, and succeed in, one of our programmes.

The majority of applicants for Mathematics receive conditional offers of a place, and details of our typical offers are available from [maths.york.ac.uk/www/admit](http://maths.york.ac.uk/www/admit). In most cases we make an offer soon after receiving your application and invite you to visit the Department. Individual circumstances are always taken into account when deciding whether to modify our typical offer.

### Programme requirements

For all programmes, candidates should be studying Mathematics at A level or equivalent and expecting to achieve grade A. For the Mathematics and Mathematics/Statistics programmes, Further Mathematics at A level is a welcome qualification, although not a strict requirement. Applicants with Further Mathematics may receive a slightly lower overall offer.

### International students

The Department has a strongly international atmosphere and welcomes applications from international students, whose qualifications are considered individually. The only fixed requirement is that you have studied material equivalent to the core of the Mathematics A level.

### Mature students

We welcome applications from mature students. You should have studied Mathematics at A level or an equivalent standard in the fairly recent past, but we will not insist on any particular formal qualifications.

## WHAT OUR GRADUATES DO

Whatever your interests, a degree in Mathematics from the University of York will equip you with the skills and knowledge required for numerous potential careers.

Mathematicians have skills that are in great demand from employers, and are among the highest earning of all graduates. Some enter fields in which they can continue their mathematical interests, including higher or research degrees, teaching, scientific work (research and development) and statistics. However, the majority go into careers not directly related to their degree, but in which mathematicians have much to contribute, such as finance (including accountancy and actuarial work), commerce and computing/IT (including operational research, programming and software development and systems analysis) and the public sector (including the Civil Service).

York Mathematics graduates have a wealth of opportunities available to them; typically over 90 per cent of our graduates are in employment or engaged in further study within six months of completing their degree.

Examples of recent graduate employment include:

- Software Developer
- Statistician
- Technical Writer
- Business Analyst
- Accountant
- Teacher

for a wide range of employers, such as:

- IBM
- Exxon Mobil
- RICOH
- Baker Tilly
- Adelphi Real World
- Ernst & Young.

# Medicine

*The Hull York Medical School curriculum is designed specifically to meet the fast-changing challenges of modern healthcare*

## Programme

UCAS

**MB BS Medicine** (5 year, or 6 year for intercalating students)

A100

*You must apply to HYMS (UCAS institution code H75), not to the University of York or the University of Hull. Please note that students normally do not choose the campus they are based on, but are allocated to either site by ballot*

### KEY FACTS

#### Admissions Tutor

Dr Paul Docherty

#### Telephone

+44 (0)1904 321690

#### Website

[hyms.ac.uk](http://hyms.ac.uk)

#### Email

[admissions@hyms.ac.uk](mailto:admissions@hyms.ac.uk)

**2015 Applications** 799

**2015 Admissions** 141

### TYPICAL OFFERS

#### A levels

AAA including essential subjects

#### IB Diploma Programme

36 points with 6, 6, 5 in Higher level subjects including essential subjects

#### BTEC Extended Diploma

We do not generally accept BTEC Extended Diplomas

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Biology and Chemistry

Excluding General Studies and Critical Thinking

We only consider applicants who have taken the UKCAT in the year they apply (see [ukcat.ac.uk](http://ukcat.ac.uk))

### ENGLISH LANGUAGE REQUIREMENT

IELTS 7.5 with at least 7.0 in all units

## STUDYING MEDICINE

Medicine is a complex social and scientific endeavour, bringing together applied life sciences and clinical skills and reasoning. Today's medical professionals must demonstrate values, behaviours and relationships that underpin the public's trust in doctors.

Medicine is not a career for the faint-hearted but, while it is challenging, it offers an unparalleled breadth of experience.

## MEDICINE AT THE HULL YORK MEDICAL SCHOOL (HYMS)

Since opening in 2003, HYMS has developed an excellent reputation for innovative, inspiring and rigorous medical education.

HYMS is based in two well-established universities, in the attractive and historic cities of Hull and York, and capitalises on the academic excellence and clinical facilities of both institutions.

Our aim is clear: to ensure that you graduate as an excellent doctor with a solid understanding of both the scientific and the personal basis of medicine. The HYMS course closely reflects the UK General Medical Council's requirements on the future training of students, and our

graduates have an excellent reputation as patient-centred communicators who are thoroughly prepared for clinical practice in their chosen field.

We encourage you to engage with patients from the outset, experience a wide range of clinical settings, reflect on your experiences and study from a broad range of materials. We also place an emphasis on the quality of the learning and clinical environments you encounter. By working in small groups, you will learn about the science, skills and knowledge underlying the practice of medicine in the wider context of the healthcare of patients, their families and communities. Our programme continues to develop, benefiting from contemporary educational methods, leading scientific research and feedback from our students, alumni, tutors and faculty members.

Throughout your time at HYMS, you will be well supported by an excellent and dedicated student support office and an individual personal adviser.

## OUR PROGRAMME

Our course is fresh, innovative and distinctive. It has all the dynamism you would expect of a young medical school. We welcome 141 new students every year – and

they begin their regular clinical placements in the third week of the first year.

In your first and second year, you are based in either Hull or York for all of your university and clinical activity. From your third year onwards, you spend the vast majority of your time on clinical placements around the North Yorkshire and Humber region.

You can study for an extra, 'intercalated' year after your second or third year, at York, Hull or another university, to work for an additional degree.

## WHAT YOU STUDY

Four key themes are woven throughout the HYMS course:

- Applied life sciences
- Health and society
- Clinical skills and reasoning
- Professionalism.

These are integrated within groups of systems:

- Pathology, immunology and cancer
- Respiration, cardiovascular medicine and dermatology
- Gastrointestinal medicine, metabolic and renal medicine
- Reproduction and child health
- Mental health
- Musculoskeletal and nervous systems, special senses and elderly persons' medicine.

The spiral curriculum returns to each system and subject area several times, refreshing and deepening your understanding each time.

Phase I, the first two years of the programme, is designed to build the foundations of your medical knowledge and skills. You will be allocated to either the Hull or the York campus, tackling each block of learning with your problem-based learning group and benefiting from a wide range of innovative learning methods.

Phase II (Years 3 and 4) is spent on longer clinical placements across the region in a variety of acute, primary and community healthcare settings – though you will have continued access to university teaching resources.

Phase III, your final undergraduate year, will further your skills in clinical management. You will gain extensive experience in medicine, surgery and primary care, with a seven-week elective to experience an area of your choice. This phase also includes the 'assistantship' period, when graduates begin their medical careers under close supervision and with continuing educational support.

Throughout your studies, our Scholarship and Specialist Interest Programme offers you the chance to study a subject of interest to you within one of our academic centres.

## TEACHING AND LEARNING

Clinical experience is the keystone in your weekly programme, and one third of your placements are in primary care settings. This is unique to HYMS and reflects the reality of where most healthcare happens: in the community.

In your first two years, medicine will be studied through problem-based learning as part of a group. Your group is facilitated by an experienced clinician who is trained to guide you through the curriculum and understands the professional requirements of a modern medical practitioner. With the group's support and stimulus, you develop essential team-working skills, and shared discussion helps you to pinpoint learning outcomes.

Each aspect of the curriculum is taught by a combination of clinicians, biomedical and social scientists, and healthcare professionals. Technology-enhanced learning is a central part of our course, with extensive electronic resources supporting all parts of the curriculum.

## INTERCALATED DEGREES

We offer a diverse programme of intercalated degrees open to HYMS students and those from other medical, dental and veterinary schools. An intercalated degree is an opportunity to take a year's leave of absence to undertake separate studies, leading to a further degree qualification. Intercalating not only lets you experience another academic environment and a different way of learning, it also gives you a qualification that enhances your CV. You can intercalate at undergraduate (BSc) or postgraduate (MSc) level, at HYMS, in departments of our parent universities of Hull and York or another university.

There are a wide range of subjects to choose from: see [hyms.ac.uk/undergraduate/intercalated-degrees](http://hyms.ac.uk/undergraduate/intercalated-degrees).



*The joint-university course is great because you get to experience the strengths of both campuses.*

*I've enjoyed active problem-based learning, where you see everything you learn in clinical placement the same week. We work in small groups. It's been fantastic getting used to patient interaction from the very first term."*

Joel (MB BS Medicine, 2nd year)

## STUDY ABROAD

The main opportunity to study abroad is in the elective period of your final year. The seven-week elective is an opportunity to experience medicine in a different context, backed by self-directed study, and to reflect on your professional and personal development. With guidance, you will make your own arrangements to study Medicine in one of a wide variety of situations throughout the world.

## ASSESSMENT

We make use of two main types of regular assessment: formative and summative.

Formative assessment is intended to help you recognise your progress and where you need to increase your efforts, but the marks do not count towards your final qualification.

Summative examinations take place at the end of every academic year. We use these to check that you are attaining an appropriate level to progress to the next level of the course and determine your final qualification. As far as possible, we design these exams to test how well you can apply knowledge, rather than simply how well you can recall facts. This is consistent with the problem-based style of learning, which means your learning is always set in the context of a realistic patient problem.

Equally important is your Record of Achievement, a collection of evidence which demonstrates your attendance and performance at clinical placements and clinical skills sessions. This contributes to your summative assessment and must show a satisfactory level of performance.

Finally, your Personal Portfolio helps you to develop a pattern of thoughtful reflection on your own progress, an essential skill for all doctors to cultivate and maintain throughout their careers.

## WIDENING ACCESS

HYMS is committed to widening access to higher education. We welcome applicants who bring diverse experiences to the medical school community, including older students and graduates (over a quarter of each intake), and we encourage applicants to spend a gap year either at work or travelling, in the UK or abroad.

## BURSARIES

For information on bursary support see the HYMS website.

## ADMISSIONS

HYMS has 141 places on the MB BS course, including 11 places reserved for non-EU students. All applications are made through UCAS directly to HYMS. Late applications are not considered.

We expect our applicants to achieve high grades across a broad range of subjects at GCSE or equivalent, and to show evidence of breadth in their further studies to date. Some experience of caring for others is an advantage. Interpersonal skills are also important, so an interview is a normal part of our selection process. We are happy to provide guidance on our application process.

For detailed information, see the full HYMS prospectus or [hyms.ac.uk/undergraduate/before-you-apply](http://hyms.ac.uk/undergraduate/before-you-apply).

## WHAT OUR GRADUATES DO

At the end of the undergraduate course you will receive your MB BS degree, which is a primary medical qualification (PMQ). Holding a PMQ entitles you to provisional registration with the General Medical Council, subject only to its acceptance that there are no Fitness to Practise concerns that need consideration. Provisional registration is time-limited to a maximum of three years and 30 days (1125 days in total), after which it normally expires.

Provisionally registered doctors can only practise in approved Foundation Year 1 posts: the law does not allow provisionally registered doctors to undertake any other type of work. To obtain a Foundation Year 1 post you need to apply during the final year of your 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 1 programme, but this cannot be guaranteed in future.

Successful completion of the Foundation Year 1 programme is normally achieved within 12 months and is marked by the award of a Certificate of Experience. You are then 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.

Although this information is currently correct, students need to be aware that regulations in this area may change from time to time.



Teaching in many of our degree programmes is through small group tutorials and seminars, encouraging debate, discussion and critical thinking



# Music

*"York appealed to me because of the fantastic atmosphere and the excellent course. Our lecturers are down to earth, extremely interesting, and passionate teachers, as well as producing some of the top research. For students this translates into a stimulating academic environment, offering in-depth insight into a wide variety of topics"*

Music undergraduate

## Programme

UCAS

**BA Music**

W300

**BA Music and Sound Recording**

J931

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

**Admissions Tutor**  
Dr Martin Suckling

**Telephone**  
+44 (0)1904 322446

**Website**  
[music.york.ac.uk](http://music.york.ac.uk)

**Email** [music@york.ac.uk](mailto:music@york.ac.uk)

**2015 Applications** 370  
**2015 Admissions** 54

### TYPICAL OFFERS

**A levels** AAB/ABB

**IB Diploma Programme**  
35/34 points including HL 6  
in essential subjects

**BTEC Extended Diploma**  
DDD/DDM

**Other qualifications**  
For details of other  
acceptable qualifications  
go to [york.ac.uk/study/  
undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

**Mature students**  
Applications from mature  
students are welcomed and  
considered individually

### ESSENTIAL SUBJECTS

Music at grade A at A level  
or equivalent

or Music Technology  
(J931 only) at Grade A  
at A level or equivalent  
or ABRSM Grade 8 Theory  
in combination with at  
least one essay-based  
A level accepted in lieu  
of A level Music

Excluding General Studies  
and Practical Music

For J931 GCSE Maths  
at Grade B or above

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5  
in all units

## STUDYING MUSIC

We come into contact with music every day: on the internet or radio, in the street, in a club, on film, or in a concert hall. This experience can be fleeting or intense, relaxing or frustrating, trivial or life-changing, looked for or unexpected, solitary or social. Studying Music at university allows you the opportunity to deepen your understanding of that experience, to explore new ways of making, sharing and hearing music, and to look at how it has shaped and responded to the world. The story of music is always about people and their creativity – even in a world full of music, what it is and what it does still matters.

## MUSIC AT YORK

At York, creative practice and rigorous scholarship go hand in hand. A huge amount of student music-making takes place in our concert halls, from solo recitals to large-scale music theatre, from music for full symphony orchestra to free-improvisation groups. Much of this activity forms part of the series of weekly public evening concerts – free to music students (see [yorkconcerts.co.uk](http://yorkconcerts.co.uk) for details). These concerts also include a wide range of visiting professional performers, giving students the opportunity to experience at first hand live music-making of the highest quality. Along with a regular series of masterclasses, there are many opportunities for students to perform alongside established musicians and ensembles.

The Department includes renowned performers, composers and musicologists among its staff, many of whom have received international awards for their work. Modules are shaped by recent research developments, and cover a wide spectrum of musical disciplines. Composition, music psychology, vocal music, jazz, world music, historically-informed performance of early music, community music, musicology and analysis are all important parts of what we do. In the most recent Research Excellence Framework assessment (2014), 96% of the Department's research activity was rated as internationally recognised.

There are many opportunities for students to contribute to musical life beyond the campus. York Minster Choral Scholarships are offered annually – contact [music@yorkminster.org](mailto:music@yorkminster.org) for details. The student-run Spring Festival of New Music is an annual event of national significance, and we are strongly involved in the York Early Music Festival and the programmes of Jazz and World Music that take place in the city. In addition to University-administered worldwide exchange schemes, the Department has an Erasmus+ student exchange programme, currently with universities in Helsinki (Finland) and Tours (France), and other links may be added. This programme gives students the option to spend time at our partner universities in Year 2.

Our facilities include two concert halls (450 seats and 200 seats), a smaller recital room, seminar rooms and practice rooms. In the Sir Jack Lyons concert hall there are two Steinway grand pianos, a three-manual full organ and a chamber organ, plus a percussion room. The Rymer Auditorium provides facilities for work related to music technology and also houses a Fazioli grand piano. There are also many early keyboard instruments, a range of medieval and Renaissance instruments, and sets of recorders and viols. The study of world music is supported by a Javanese Gamelan and collections of Thai, African and Indian instruments. The Trevor Jones studio is available for creative work in digital music and an additional studio is available for concert recording.

## OUR PROGRAMMES

The BA in Music and the BA in Music and Sound Recording are three-year, full-time programmes of study.

## WHAT YOU STUDY

The York Music graduate is a creative, critical, independent thinker. Our degree programmes develop these qualities through our modular teaching system covering all forms of musical activity; performance, composing, analysis, musicology and music technology are all valued. You will learn from musicians and scholars who are leaders in their fields and benefit from the working relationships we have

built up with our professional partners – an enviable roster of artists-in-association. We teach in small groups and individual tutorials, which means that you will always be actively engaged in discussion with your lecturers. Alongside traditional text-based study you will be taught through seminars, workshops and practical exercises: you will study music from the inside, an approach that is central to our vibrant, supportive and internationally respected department.

## BA Music

Both flexible and challenging, the BA Music programme delivers a balanced musical education and develops key skills, while providing you with opportunities to specialise and pursue your own choices of study under expert guidance. We provide high-quality, individual instrumental and vocal tuition across a variety of genres. You will be supported with a bursary for lessons; this will be enhanced if you choose to present a final recital in Year 3.

Specialist modules are updated every year and cover all aspects of music from medieval to electronica (see [york.ac.uk/music/undergraduate/modules](http://york.ac.uk/music/undergraduate/modules)). These typically involve a period of learning in small group classes combined with independent study through which, with individual assistance, you produce a folio of work for assessment. You also take modules designed to develop core skills, offering a breadth of scope to complement and support the areas of specialist study. You will develop research techniques, skills in writing about music, aural ability, and analytical, critical and creative thinking.



*In my first year I covered a wide range of topics including Opera, Music in the Community, and Gamelan, each with a leading expert. Modules are open to all year groups which fosters a close-knit community, and you learn from each other as well as from the lecturer. Being part of several ensembles really improved my musicianship. The staff are fantastic and they tailor their teaching to your needs as a student."*

Mimi (BA Music, 2nd year)

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In Year 3 you devise, research and produce a Solo Project. Building on skills acquired across your degree, it is an opportunity for you to develop a piece of large-scale work that allows you to concentrate in depth on a particular area of interest and will be useful to your future career. Past Solo Projects have included dissertations, editions, albums, innovative performance events, orchestrations, film music, community music projects, and many other types of work.

## BA Music and Sound Recording

The BA Music and Sound Recording programme starts from the recognition that music and production are no longer separate activities. This contemporary view of music production and associated audio professions acknowledges dramatic and ongoing changes in the recording and media industries in recent years. Our programme is designed to advance your intellectual, technical and creative abilities across a wide range of music activities (including performance and composition) and studio-based arts. You will develop a skill set that highlights enterprise, enabling you to take creative, design and managerial roles in projects that will prepare you for a career in the music and audio industries.

To this end, the programme addresses a wide array of contemporary contexts for music production, from pop studio practice to classical recording of ensembles and instrumentalists. There is also extensive theoretical and practical, hands-on coverage of new systems and philosophies for the creation and performance of sound and music. Combined with an evidence-based approach to audio principles and studio technique, and drawing on relevant engineering practice and scientific knowledge, this will enable you to design, develop and use next-generation tools. You will also benefit from modules in creative entrepreneurship, developing individual work and research under close supervision from staff with significant industrial and creative experience. These modules will prepare you for the demands of the professional environment in which our graduates can expect to find themselves.

## ASSESSMENT

We want to discover what you can create in response to our teaching; the majority of your assessment will be through portfolios, the exact contents of which you will choose yourself with guidance from the module tutor. The nature of the submission varies according to the module content and might consist of a performance with a commentary or essay, or an essay by itself; it may include composition, or the preparation of an edition, or a film with music; it may be the staging and performance of a piece of music theatre; or it might be preparation

of archive material. You will receive detailed feedback on all your work, helping you to refine your skills and grow in confidence. It is an approach that challenges you to take what you have been taught and extend it into new, exciting areas.

## ADMISSIONS

First, we select on the basis of the information offered in your UCAS form. After that, you may be invited to York for an interview, which takes the form of a tutorial, such as you might have as an undergraduate, on a piece of your own work. It is intended to give you first-hand experience of working one-to-one with a member of our academic staff and to explore ways in which you may wish to develop your work in future.

We are looking for applicants with musicality, imagination, expertise in the music in which you are interested and a good general knowledge of a variety of musical genres. For the BA Music programme, we like you to have Grade 8 or equivalent standard on your principal study instrument; some experience of harmony and counterpoint is useful. For the BA Music and Sound Recording, Grade 5 in Music Theory and Grade 7 in Music Performance are desirable.

## WHAT OUR GRADUATES DO

Our past students have become well known as performers, composers, broadcasters, writers and teachers. Many are able to begin their professional career straight away. Others go on to further study, taking advanced performance courses, research degrees, teacher training, or specialist courses in music technology, TV and film, dance, music therapy and arts administration.

The emphasis that the York degree programme places on in-depth specialisation and your own initiative is valued by employers in many different professions; the skills developed during the degree programme also equip you for a wide range of career paths.

Examples of recent graduate employment include:

- Events Manager
- Music Teacher
- Artist Manager
- Broadcaster
- Arts Administrator
- Freelance Musician

for a wide range of employers, such as:

- National Youth Choir of Great Britain
- Yorkshire Music Education Service
- English Touring Opera
- National Centre for Early Music
- BBC.

# Natural Sciences

The Natural Sciences programmes at York offer breadth and depth of knowledge to train the next generation of science leaders in government, industry and academia

## Programmes

UCAS

<b>BSc Natural Sciences: Biological Modelling</b>	CFG0	<b>BSc Natural Sciences: Nanoscience</b>	CFG0	<b>BSc Natural Sciences: Biology/Chemistry/Physics</b>	CFG0
<b>MSci Natural Sciences: Biological Modelling</b> (4 year)	FGCO	<b>MSci Natural Sciences: Nanoscience</b> (4 year)	FGCO	<b>MSci Natural Sciences: Biology/Chemistry/Physics</b> (4 year)	FGCO
<b>BSc Natural Sciences: Biophysical Science</b>	CFG0	<b>BSc Natural Sciences: Neuroscience</b>	CFG0	<b>BSc Natural Sciences: Chemistry/Mathematics/Physics</b>	CFG0
<b>MSci Natural Sciences: Biophysical Science</b> (4 year)	FGCO	<b>MSci Natural Sciences: Neuroscience</b> (4 year)	FGCO	<b>MSci Natural Sciences: Chemistry/Mathematics/Physics</b> (4 year)	FGCO
<b>BSc Natural Sciences: Mathematics/Physics/Philosophy</b>	CFG0	<b>BSc Natural Sciences: Archaeology/Biology/Chemistry/Environment</b>	CFG0		
<b>MSci Natural Sciences: Mathematics/Physics/Philosophy</b> (4 year)	FGCO	<b>MSci Natural Sciences: Archaeology/Biology/Chemistry/Environment</b> (4 year)	FGCO		

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

**Programme Director**  
Dr Roddy Vann

**Telephone**  
+44 (0)1904 325852

**Website**  
[york.ac.uk/natural-sciences](http://york.ac.uk/natural-sciences)

**Email** [natural-sciences-admissions@york.ac.uk](mailto:natural-sciences-admissions@york.ac.uk)

**2015 Applications** 209  
**2015 Admission** 32

### TYPICAL OFFERS

**A levels**  
BSc programmes: A\*AA/AAA  
MSci programmes: A\*AA

**IB Diploma Programme**  
37 points

**BTEC Extended Diploma**  
BTECs will be considered on an individual basis

**Other qualifications**  
For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

**Mature students**  
Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Mathematics (for all programmes)  
Chemistry (for Arch/Bio/Chem/Env, Chem/Maths/Phys, Bio/Chem/Phys, Biophysical Science, Nanoscience and Neuroscience)

Physics (for Chem/Maths/Phys, Bio/Chem/Phys, Biophysical Science, Maths/Phys/Phil and Nanoscience)  
Further Mathematics or Biology (for Biological Modelling)  
Excluding General Studies and Critical Thinking

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING NATURAL SCIENCES

Studying Natural Sciences equips our students with the interdisciplinary skills and knowledge to tackle the most important problems in modern science. Many of the most exciting developments in 21st-century science are carried out at the interfaces between the traditional disciplines.

## NATURAL SCIENCES AT YORK

The Natural Sciences programme at York blurs the distinction between disciplines by focusing on areas of interdisciplinary research excellence across the Departments of Archaeology, Biology, Chemistry, Electronics, Environment, Mathematics, Philosophy, Physics and Psychology. There is a choice of eight courses which provide opportunities for a wide variety of interdisciplinary study. All Natural Scientists at York undertake a final year project, typically in state-of-the-art academic research facilities.

## OUR PROGRAMMES

Natural Sciences programmes at York fall into two categories, 'specialisation' and 'interdisciplinary', and are shown below. All courses are available as either three-year (BSc) or four-year (MSci) programmes of study. We offer a year abroad/year in industry on most of our specialisation programmes.

### INTERDISCIPLINARY PROGRAMMES

For these courses, students study a combination of subjects throughout their period at York. These courses (with contributing departments shown in brackets) are as follows.

#### BSc/MSci Biological Modelling

##### (Biology and Mathematics)

Mathematics and mathematical modelling are becoming increasingly important in understanding natural and biological processes; it enhances understanding of complex systems and enables quantitative predictions. The Biological Modelling programme will foster and develop your abilities to use mathematical techniques to understand the dynamics of the natural world, with an emphasis on ecology and ecological modelling. Students benefit from the established interdisciplinary connections and close collaborations between these departments in both teaching and research.

#### BSc/MSci Biophysical Science

##### (Biology/Chemistry/Physics/Mathematics)

The Biophysical Science programme provides a quantitative grounding in the physical sciences of biology, chemistry and physics and leads students on to specialise in the interdisciplinary area of biophysics. Students will be equally comfortable engaging with physics as with biology, and will be able to apply the distinctive conceptual frameworks of these different disciplines to problems at the boundary between physics and the living world.

#### BSc/MSci Mathematics/Physics/Philosophy

##### (specialisation and interdisciplinary)

There has been significant cross-fertilisation between mathematics and philosophy, particularly with the development of formal logic in the late 19th and early 20th centuries. Twentieth-century developments in physics, particularly special and general relativity and quantum mechanics, have also proved a fertile ground for philosophical enquiry.

This three-way subject combination can be studied through all three or four years, but students are also able to specialise in either Mathematics or Physics by the final

year, or alternatively transfer out of Natural Sciences to the Mathematics and Philosophy or Physics with Philosophy combined programmes.

#### BSc/MSci Nanoscience

##### (Chemistry/Electronics/Physics/Mathematics)

Nanoscience is the study and manipulation of atoms, molecules and nano-scale objects to create unique functional systems. You will learn how using quantum and statistical mechanics and thermodynamics of the very small, and arranging atoms and molecules in specific ways, leads to new materials or systems with remarkable functions. Laboratory skills are developed in our clean room; projects may be conducted at the York JEOL Nanocentre.

#### BSc/MSci Neuroscience

##### (Psychology/Biology/Chemistry/Philosophy)

Neuroscience is the study of the nervous system – specifically the function of a class of cells called 'neurons' that exist in all animals and which allow organisms to sense their environments, evaluate new information, learn and remember relationships between stimuli, and respond to events. York is unique in having neuroscience researchers whose expertise spans a vast range – from the atomic and molecular levels to cognitive processing in whole living brains and to the philosophy of consciousness



*I couldn't possibly choose between my three favourite subjects – Chemistry, Physics and Maths – and with York's Natural Sciences programme I didn't have to. I maintain breadth in my degree and then specialise later. From my first sight of the new Chemistry labs I knew that York was the place for me. With our own Natural Sciences hub social space, some of the most enthusiastic lecturers around and a weekly Natural Sciences Hour, I couldn't have made a better choice."*

Jonathan (MSci Natural Sciences: Chemistry, Maths and Physics, 1st year)

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and theory of mind. This programme will permit students to work in two world-class research centres, the York Neuroimaging Centre (YNIC) and the Centre for Hyperpolarisation in Magnetic Resonance (CHyM).

## SPECIALISATION PROGRAMMES

You will study three or four subjects in the first year, choose any two of those subjects to continue in the second year, and then specialise in a single subject in the third year (and fourth year if you follow the MSci programme). This structure provides breadth on entry while guaranteeing depth on exit. The subject combinations have been selected to maximise genuine synergies between disciplines.

We offer a year abroad or a year in industry on many of our specialisation programmes (see table).

Students on programmes with an industrial placement or year abroad are not guaranteed a placement, but the Department will do all it can to find a suitable placement.

Students who are not successful in obtaining a placement will be transferred to the standard programme.

### BSc/MSci Archaeology/Biology/ Chemistry/Environment

You will learn in Archaeology how field and laboratory science can be applied to the study of the human past, and how that application can bridge the 'two cultures' of science and the humanities. You will develop the ability to assess environmental problems and recommend solutions with an underlying appreciation of the socio-economic and political systems within which management decisions are made. Your skills development will include practical fieldwork.

### BSc/MSci Biology/Chemistry/Physics (and Mathematics in Year 1 only)

This course exploits the interfaces between the three traditional laboratory sciences of Biology, Chemistry and Physics. It is an ideal choice if you wish to study at greater breadth than would normally be possible with a single subject degree in any of the three subjects, but feel that you will be ready to specialise in a single subject by the third year.

### BSc/MSci Chemistry/Mathematics/Physics

The modern disciplines of Chemistry, Mathematics and Physics enjoy a number of synergies. A good example is the science of molecules: group theory in Mathematics informs us about the set of available rotations and vibrations; quantum mechanics in Physics can be used to calculate properties of the chemical bond from first principles; and Chemistry tells us how multiple molecules interact.

## Placement year availability

Specialisation subject	Degree	Year in industry	Year abroad
Biology	BSc	Yes	Yes
	MSci	Yes	Yes
Chemistry	BSc		
	MSci	Yes	Yes
Environment	BSc	Yes	
	MSci	Yes	
Maths	BSc		Yes
	MSci		
Physics	BSc	Yes	Yes
	MSci	Yes	
Archaeology	BSc		
	MSci		

## WHAT YOU STUDY

Whether studying via an interdisciplinary or specialisation pathway, the Natural Sciences programme at York is structured in such a way that you achieve breadth on entry and depth on exit. This means that, for modules which are shared with other degree programmes, you will be studying them in the same year as single subject students. The modules that are offered as part of Natural Sciences are carefully chosen to ensure that you will have satisfied all the necessary prerequisites.

A key feature of interdisciplinary research is learning to speak the 'language' of colleagues from other academic departments. While this can sometimes be challenging, it enables us to approach problems in a variety of ways – a skill applicable not only to science but also more broadly. The philosophy of Natural Sciences at York is therefore not to dilute offerings from particular subject areas but rather to combine teaching on topics that have relevance on both sides of traditional subject boundaries.

## TEACHING AND LEARNING

A Natural Scientist at York experiences a variety of different types of learning events:

- Lectures are often used for primary knowledge transfer. For general first year modules, a lecturer may be teaching over 200 students at a time; for more specialised third or fourth year modules, the lecture class might only have 20 students.
- Tutorials and seminars are used for teaching smaller groups, often to support material that has already been taught in lectures. These sessions allow for informal discussion of the lecture material and more

personalised tuition. Often lectures are shared with single subject students, but tutorials and seminars are generally delivered with groups consisting only of Natural Scientists.

- Laboratory work (whether experimental or computational) is at the heart of Natural Sciences. Doing experiments and understanding the experimental method is not just a useful skill but underpins the very nature of empirical science. Laboratory work is sometimes done in groups or pairs and sometimes individually. Some laboratory work is interwoven with lectures and tutorials; sometimes it exists as a stand-alone module.
- Projects form the climax of every Natural Scientist's time at York: every Natural Sciences programme includes a major project during the final year. On MSci programmes there is a particular aspiration to integrate projects with research and it is not unusual for final year undergraduate projects to contribute to publications in peer-reviewed journals.
- Subjects including Archaeology and Environment have field trips which involve experimental work 'in the field' at locations of particular interest.

## ASSESSMENT

The Natural Sciences degree programmes are assessed by a variety of methods which reflects the various types of learning outcome being tested. Knowledge-based objectives are often assessed via a closed examination; practical tasks are often assessed via notebooks or reports. With a small number of exceptions, all primary assessments are available for a single resit.

## ADMISSIONS

Applicants are selected for interview based on the information in their UCAS forms. A decision on whether to make an offer is based on both performance at interview

and evidence from the UCAS form. The entry requirements are different for the various Natural Sciences programmes, although all programmes generally require Mathematics A level or equivalent: see the table below.

Applicants may change their preferred Natural Sciences course up to two months before starting their course and subject to studying the necessary subjects at A level (or equivalent). After this time, applications to transfer will be handled on a case-by-case basis. We offer a range of scholarships; please see our web pages for details.

## WHAT OUR GRADUATES DO

Studying Natural Sciences at York equips students with the skills to succeed in a wide range of careers that require evaluation of complex or incomplete data, fact-based decision making, problem solving and teamwork. This includes careers in academia, industry, finance and government.

Specific examples of employment for which our graduates will be well-qualified are:

- Industrial researcher for a chemical engineering company
- Management consultant
- Civil servant in the Department for Business, Innovation and Skills
- Patent attorney for an international law company
- Water resources engineer
- Quality and sensory analyst for a food nutrition company
- Marketing project manager for a technology company
- Project manager in the aerospace industry
- Process technologist for an integrated circuit manufacturer
- Financial quantitative analyst for an investment bank.

Courses and A level requirements	Chemistry	Physics	Maths	Biology or Further Maths
Biological Modelling			Yes	Yes
Biophysical Science	Yes	Yes	Yes	
Mathematics/Philosophy/Physics		Yes	Yes	
Nanoscience	Yes	Yes	Yes	
Neuroscience	Yes		Yes*	
Archaeology/Biology/Chemistry/Environment	Yes		Yes*	
Biology/Chemistry/Physics (+ Mathematics)	Yes	Yes	Yes	
Chemistry/Mathematics/Physics	Yes	Yes	Yes	

\*For Neuroscience and Arch/Biol/Chem/Env, we are happy to consider applications from students taking the IB with Maths at Standard level

# Nursing, Midwifery and Healthcare

*It is a very exciting time to be studying in the Department of Health Sciences. We produce award-winning students and have an excellent record for students achieving immediate employment after their programme. We have active nursing and midwifery societies, NurSoc and MidSoc, which you can be part of while you study with us*

## Programmes

<b>BSc Nursing (Adult)</b>	B742
<b>BSc Nursing (Child)</b>	B732
<b>BSc Nursing (Learning Disability)</b>	B763
<b>BSc Nursing (Mental Health)</b>	B762
<b>BA Midwifery Practice</b>	B720
<b>Postgraduate Diploma with Professional Registration in Nursing (Adult) (2 year)</b>	B741

*Courses are three-year programmes unless otherwise stated*

## UCAS

## Support worker programmes

**Certificate of Higher Education** (1 year)

**Foundation Degree in Health and Social Care: Associate Practitioner** (2 year)

## Post-registration programmes

**Dip/BSc Health and Social Care Practice** (2–5 years)

**Health and Social Care Practice** (generalist pathway)

**Child and Adolescent Mental Health** (specialist pathway)

**Psychosocial Interventions** (specialist pathway)

**BA Health and Social Care Practice** (2–5 years)

**Applied Midwifery Practice**

### KEY FACTS

#### Admissions Tutor

Katie Batley

#### Telephone

+44 (0)1904 321321

#### Website

[york.ac.uk/healthsciences](http://york.ac.uk/healthsciences)

#### Email

[dohs-ug-enquiries@york.ac.uk](mailto:dohs-ug-enquiries@york.ac.uk)

**2015 Applications** 4,009

**2015 Admissions** 219

### TYPICAL OFFERS

#### A levels

Nursing: BBB

Midwifery: ABB

#### IB Diploma Programme

Nursing: 31 points

Midwifery: 32 points

#### BTEC Extended Diploma

Nursing: DDM

Midwifery: DDM

#### Additional requirements

##### at GCSE

English GCSE C

Mathematics GCSE C

Science GCSE C

or equivalents

PG Diploma Nursing:

normally 2:1 honours

degree in a health-related subject

Please see [york.ac.uk/healthsciences/nursing/pg-diploma](http://york.ac.uk/healthsciences/nursing/pg-diploma)

#### Support worker programmes

Cert HE: NVQ2 qualification and minimum of a year's health and social care work experience

Foundation Degree: NVQ3 qualification and minimum of two years' health and social care work experience

#### Post-registration programmes

You must be a registered practitioner

#### Mature students

Applications from mature students are welcomed

### ESSENTIAL SUBJECTS

See our website for subject requirements

### ENGLISH LANGUAGE REQUIREMENT

IELTS 7.0 with at least 5.5 in all units

## STUDYING NURSING

Nursing may not always be easy to describe but we know when we receive good care and when we do not. The challenges of 21st-century healthcare are many. Nowhere is this more evident than when looking at the role of nurses, the work they do and where they do it. Whether it is caring for adults and children with complex physical and mental health problems in hospital, working with the elderly in residential care, or supporting people to lead independent lives at home, contemporary nursing demands exceptional skills, knowledge and abilities.

You will be compassionate with the ability to think critically and respond effectively to the diverse needs of people in your care. What matters to them will matter to you. Your work may involve supporting a child dying at home, managing acute illness in a critical care unit or working alongside a family struggling with the impact of substance misuse. You may even be helping a young person with a learning disability understand their diabetes and healthy eating. In whatever context, the commitment is considerable and responsibility is immense, but you will make a real difference to people's lives.

## NURSING AT YORK

The BSc Nursing leads to both an academic award and professional registration as a nurse in one of four fields of practice: adult, learning disability, mental health or children's nursing. Undertaking this degree will enable you to develop a clear sense of purpose and strong professional identity and prepare you to lead nursing practice in a modern healthcare setting.

As a Nursing student in the Department of Health Sciences you will experience the benefits of a large, vibrant, multidisciplinary department – but we are small and friendly enough to get to know you individually and guide you in developing your career.

Graduates of Nursing from York have been extremely successful in finding first posts on completion of the course. See page 160 for information about our students' subsequent employment.

## WHAT YOU STUDY

We offer a three-year modular programme to prepare you for work as a registered nurse. Half of what you learn will take place in the practice setting and half will be University-based. All the subjects that you study will relate directly to your practice and will include: Individual and Public Health, Fundamental Communication Skills, Professional Identity, and Promoting Quality and Safety in Healthcare. You will gain experience in a variety of practice settings and you will have assessments in both theory and practice.

From the very beginning of your programme you will be a member of a Co-operative Learning Group (CLG). These small groups will be facilitated by an academic staff member who will remain your supervisor throughout the duration of your time on the programme.

CLGs enable you to experience perspectives from all aspects of nursing care and practice as you are able to discuss theoretical issues and share and explore experiences from practice.

During Year 1, you will start to develop the foundations of knowledge you need to progress as a student nurse. You will gain a preliminary understanding of core subjects and start to directly apply your knowledge to nursing practice.

The programme offers exciting and innovative opportunities for practical experience. Your practice hours will include time spent in a nursing role across a variety of healthcare settings. You need to have an ability to care for people with a range of health needs and will therefore gain generic skills applicable in all areas in Year 1.

In Year 2, you will begin to develop a deeper, more critical understanding of nursing practice and your role as a partner in relation to others. You will be encouraged to consider this role within the context of different healthcare settings and alongside other health, social care and third sector disciplines.

In Year 3, you will concentrate on the acquisition of specialist knowledge and skills within your field of practice. The focus will be on your professional development as an accountable practitioner and leader and you will be introduced to increasingly complex and challenging problems. Consolidation of your learning will be demonstrated through the completion of a project specifically linked to an aspect of your practice. Practice

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 *I was impressed by the reputation of Nursing at York, and how I was welcomed at my interview. The balance of theory and placement allows me to put what I've studied into practice. The variety of placements in my first year, from adult to mental health nursing, provides an excellent foundation of skills."*

**Gail (BSc Nursing (Mental Health), 2nd year)**

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in your final year will provide an opportunity to prepare for your role as a registered nurse. During this final year you will also have the chance to undertake a short elective placement which may be elsewhere in the UK or overseas.

## BSc Nursing (Adult)

If you choose to study adult nursing you will learn to respond to the needs of patients and families who are experiencing acute health crises, living with long-term conditions and advanced illness, or even facing the end of life. You will develop the personal and professional knowledge and skills to become adept in promoting evidence-based and compassionate family-centred care. Your practice will involve caring for people in their own homes, health centres, hospitals and in the independent sector where you will play an integral role in the care of patients and their families or carers.

Students who are progressing well on this programme have the opportunity to apply for the MNursing programme. For information see [york.ac.uk/healthsciences/nursing/m-nursing](http://york.ac.uk/healthsciences/nursing/m-nursing).

## BSc Nursing (Child)

Through the acquisition of specialist skills, knowledge and attributes, you will develop an understanding of the healthy child and young person, before progressing to recognise the healthcare needs of the sick child, young person and their family.

You will follow a unique integrated pathway which combines both theory and practice each week in Years 2 and 3.

You will benefit from a range of practical experience in hospital and community settings throughout North Yorkshire and at regional centres in Leeds.

## BSc Nursing (Learning Disability)

The key feature of this field of practice is individual-led practice, linking you directly with individual clients, including adults and children in their family homes and residential and day services across a range of agencies. You will have the opportunity to develop your own portfolio of skills while gaining experience in a wide variety of health and supporting services, including voluntary and independent sectors. Throughout all aspects of your studies there will be a particular focus on the involvement of service users with a learning disability.

## BSc Nursing (Mental Health)

Anxiety-based disorders, depression and psychosis are just some of the problems that people with mental health conditions face. As a nurse specialising in this field of practice you will learn how to help people cope with

such challenges. Working in collaboration with service users and practising in ways that are client-centred, culturally sensitive and effective are central to mental health nursing. You will gain experience in acute inpatient settings, and will also work with people whose mental health problems are serious and long-standing and who may need residential or community care. You will have the opportunity to work with older people or in areas such as child and adolescent mental health, substance misuse services and forensic provision.

## TEACHING AND LEARNING

From the outset our aim is to provide a vibrant teaching and learning environment that will encourage and support you to become an exceptional registered nurse. The emphasis will be on gaining a sound understanding of the key principles of nursing which you will apply to your individual practice through a 'situated learning' approach. You are encouraged to engage in small seminar groups, student-led activities or simulated practice. This will be supported by key lectures related to the core subjects, and other broader themes, covered in the modules in Years 1, 2 and 3, reflecting your corresponding professional development and increasingly proactive participation in nursing care. Part of your learning will take place in our state-of-the-art Clinical Simulation Unit (CSU) ([york.ac.uk/healthsciences/nursing/facilities](http://york.ac.uk/healthsciences/nursing/facilities)). This includes a ward, a critical care suite and a community facility, which ensures that you are exposed to the most up-to-date procedures and technology under safe and supervised conditions.

### Practice experience

Your practice is configured to enable a broad experience which will provide you with some flexibility to follow the journeys of patients, clients, service users or carers. We call this system of practice experience a base and spoke model.

The Department of Health Sciences maintains close relationships with local healthcare providers and your base practice experience may take place in the wider community, in hospital, in patients' or clients' homes, or clinics across the whole of North Yorkshire and beyond.

Practice experience will be gained over the full 24-hour period; you will be required to work a full pattern of shifts, including nights and weekends, early and late shifts. You will be expected to arrange your own travel to placements, which could be anywhere within the North Yorkshire region.

The practice experience available in the spokes is devised to enhance the learning in the base and may include working alongside some of the voluntary agencies that make a major contribution to the health and wellbeing of people.

## ASSESSMENT

Theory and practice are assessed equally throughout this programme. A diverse range of teaching and assessment methods are used to achieve and demonstrate learning outcomes. These include presentations, essays, reports, simulated scenarios and examinations.

At all times during this programme you will be guided, supported and assessed by both an academic and a practice supervisor or mentor.

## ADMISSIONS

Each year we hold a number of open afternoons at which you can hear presentations from staff and students about nursing at York. For information, visit our website [york.ac.uk/healthsciences/information-afternoons](http://york.ac.uk/healthsciences/information-afternoons).

## MIDWIFERY AT YORK

### BA Midwifery Practice

This is a Bachelor of Arts programme and the content and philosophy reflect this focus. The philosophy is based on the premise that women are central to the planning and provision of their maternity care which takes into account their culture, hopes and expectations. The programme prepares insightful midwives who have highly developed communication and interpersonal skills and are able to work in partnership with women and families in complex social contexts. We aim to develop midwives who are safe, clinically competent, autonomous practitioners, able to undertake the role of the lead professional for women accessing maternity care.

The programme at York was re-accredited with the UNICEF 'Baby Friendly' award in 2014, for excellence in infant-feeding educational content.

## WHAT YOU STUDY

This is a modular degree comprising theory and clinical practice in approximately equal proportions. The first part of the programme is focused on the care of women and families throughout the normal pregnancy, labour, birth and postnatal adaptation. The emphasis is on facilitating the development of knowledge, skills and understanding of normality so that you can then be alert to situations and clinical presentations that deviate from this state.

Subsequent modules introduce the theory and skills required when caring for women experiencing complicated maternity. You will access practice areas that support this development, for example the Special Care Baby Unit (SCBU) and the Antenatal Day Assessment Unit.

The third year develops your ability to support women with complexities. You will explore how the midwife can facilitate optimal maternal and neonatal health in these

circumstances. You will be supported throughout the course by a personal supervisor and the module leaders within the academic setting and by link lecturers and named clinical mentors within all of the practice areas.

## Practice experience

Practice placements will be in maternity units and in the community across the whole of North Yorkshire. You will gain experience in at least two of these, giving you an opportunity to observe and experience a range of midwifery practices and philosophies of management and care. During the programme you will also have the opportunity to undertake an elective placement and take responsibility for your own caseload of pregnant women.

## ASSESSMENT

A diverse range of teaching and assessment methods are used to achieve and demonstrate learning outcomes. These include grading of clinical practice, exams, objective structured clinical examinations (OSCEs), presentations, vivas and a dissertation.

## ADMISSIONS

Each year we hold an open afternoon where you can hear presentations from staff and students about studying Midwifery at York. For information, visit our website: [york.ac.uk/healthsciences/information-afternoons](http://york.ac.uk/healthsciences/information-afternoons).

## Nursing, Midwifery and the PG Diploma

Applications are made through UCAS. Your UCAS application will be acknowledged when it is received within the Department. It will then be put forward for shortlisting by a panel of academic staff from the Nursing or Midwifery team.



*The way the course at York is structured is particularly good because you undertake placements alongside your study, which allows you to apply your learning straight away. The Midwifery cohorts are very small, so lecturers know each student and are always happy to support individual needs."*

**Charlotte (BA Midwifery Practice, 2nd year)**

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We will look at your academic qualifications, but your supporting evidence is also considered. You need to demonstrate your personal qualities, what you understand about nursing or midwifery and details of any relevant experience.

Evidence of care experience in a relevant setting is considered positively. We welcome applications from mature students.

The application process and interviews vary in format according to the programme you are applying for. Further details can be found on our website.

All applicants to Nursing and Midwifery are required to demonstrate an awareness of and commitment to the core values of the NHS which aims to protect and deliver the highest standards of care to patients and clients. We base our selection decisions on these values and how well you are able to express them on your application and performance at our selection day. We would invite you to consider your application and your suitability for Nursing or Midwifery by reviewing the NHS Constitution (2013).

All offers will be conditional upon a satisfactory check by the Disclosure and Barring Service, a health assessment and, where appropriate, the achievement of the required qualification or grades. If you are unsuccessful in your application you can apply to us again, but you have to wait until the next application period (September–January).

## Postgraduate Diploma with Professional Registration in Nursing (Adult)

This innovative, two-year, full-time programme for graduate entrants enables them to 'fast-track' to professional nurse registration with the Nursing Midwifery Council. Created in close collaboration with health service partners and users, the Postgraduate Diploma combines theoretical modules with clinical placements to prepare graduates for future roles as adult nurses.

Nurses have an essential contribution to make to modern healthcare and its delivery. Our programme supports students to become exceptional registered nurses working in partnership with the public to promote health and provide sensitive, evidence-based care to patients and their carers. Progression to the professional nursing register at postgraduate level enables students to maximise opportunities for recruitment.

The programme is applicable to those who already possess an honours degree and have experience of working or volunteering in a health and social care-related context.

A full list of acceptable health-related subjects and experience can be found on our website at [york.ac.uk/healthsciences/nursing/pg-diploma](http://york.ac.uk/healthsciences/nursing/pg-diploma). Additional subjects and experiences will be reviewed on an individual basis. Applications are via UCAS.

## SUPPORT WORKER PROGRAMMES

### Certificate of Higher Education

To prepare for a greater responsibility or change in role to a higher banding, you could study for a full Certificate of Higher Education while still in employment. This one-year programme will allow you to take on more responsibility within your current role as a Band 2/3 health or social care professional.

### Foundation Degree in Health and Social Care: Associate Practitioner

This two-year work-based programme is designed to prepare health and social care support staff to work at Assistant/Associate Practitioner level.

You will already be working with people with diverse needs and your role may involve working across traditional boundaries. We will use this experience to enhance your knowledge and skills. The programme is learner-centred. We aim to build on your existing experience and current role in health and social care to develop a deeper understanding of client and carer needs.

You will attend the programme for one day a week. The first six months will be taught at York College and the subsequent 18 months are taught at the University of York. You also need to work with or have access to an appropriately qualified mentor, with protected learning time of nine hours per week during the course.

For more information see: [york.ac.uk/healthsciences/support-worker/](http://york.ac.uk/healthsciences/support-worker/)

Please contact the Department's Admissions team for further information by email: [dohs-ug-enquiries@york.ac.uk](mailto:dohs-ug-enquiries@york.ac.uk), or telephone: +44 (0)1904 321321.

## POST-REGISTRATION PROGRAMMES FOR HEALTHCARE PROFESSIONALS

### Dip/BSc Health and Social Care Practice

The Dip/BSc Health and Social Care Practice is a part-time top-up programme providing registered professionals with the opportunity to study for a higher academic award. The programme can be studied by nurses, midwives, paramedics and other registered healthcare staff. The non-registered workforce in health and social care can also access the programme if they meet the entry criteria. The generalist pathway offers choice from a wide range of modules that are relevant to your area of practice.

## Dip/BSc Health and Social Care Practice (Child and Adolescent Mental Health)

This part-time programme provides knowledge, skills and insights to enable you to contribute to the provision of effective multidisciplinary and multi-agency mental healthcare for children and adolescents of all ages and all ethnic groups.

It provides a framework for individual practitioner development and is a helpful adjunct to more focused training of relevance to CAMH, such as the Children and Young People's Improving Access to Psychological Therapy project.

## Dip/BSc Health and Social Care Practice (Psychosocial Interventions)

This programme aims to equip mental health professionals with a range of knowledge, values and skills, all of which have been clearly demonstrated to be effective in meeting the needs of people who experience serious mental health problems, as well as the needs of their families or carers.

## BA Health and Social Care Practice (Applied Midwifery Practice)

This is a clinically focused programme designed to meet the needs of midwives who wish to benefit from specialist post-registration modules.

Please visit our website: [york.ac.uk/healthsciences/ssprd/degrees](http://york.ac.uk/healthsciences/ssprd/degrees).

Please contact the Department's Admissions team for further information by email: [dohs-ssprd-enquiries@york.ac.uk](mailto:dohs-ssprd-enquiries@york.ac.uk), or telephone: +44 (0)1904 321321.

## FUNDING

Up-to-date information about funding for all our programmes can be found on our website: [york.ac.uk/healthsciences](http://york.ac.uk/healthsciences).

## WHAT OUR GRADUATES DO

The Department has an excellent record in students achieving immediate employment after their pre-registration nursing and midwifery programmes.

Examples of recent graduate employment include:

- Community Learning Disability Nurse
- Staff Nurse
- Midwife
- Clinical Team Leader
- Counsellor
- Cognitive Behavioural Therapist

for a wide range of employers, such as:

- NHS
- Partnerships in Care
- The Priory Group
- Cygnet Health Care
- Turning Point
- The Retreat
- The Cambian Group
- One to One Midwives.

# Philosophy

*"Philosophy as a degree covers a huge number of topics, so it's brilliant that York offers so many of them, normally with lecturers who are currently doing research in that area. The Department is so open and friendly that you're quickly made to feel at ease"*  
Philosophy undergraduate

Programmes	UCAS
<b>BA Philosophy</b>	V500
<b>BA English/Philosophy</b> (Equal)	QV35
<b>BA French/Philosophy</b> (Equal) (4 year)	RV15
<b>BA German/Philosophy</b> (Equal) (4 year)	RV25
<b>BA History/Philosophy</b> (Equal)	VV15
<b>BA Philosophy/Linguistics</b> (Equal)	VQ51
<b>BA Philosophy/Sociology</b> (Equal)	VL53
<b>BA/BSc Mathematics/Philosophy</b> (Equal)	GV15
<b>BSc Physics with Philosophy</b>	F3V5
<b>BSc Physics with Philosophy</b> with a year abroad (4 year)	F3V7
<b>MPhys Physics with Philosophy</b> (4 year)	F3VM
Combined programmes in the School of Politics, Economics and Philosophy – see page 176	
<b>BA Economics/Philosophy</b> (Equal)	LV15
<b>BA Philosophy/Politics</b> (Equal)	VL52
<b>BA Philosophy, Politics and Economics</b>	LOVO
Combined programme in the School of Social and Political Sciences – see page 187	
<b>BA Social and Political Sciences with Philosophy</b>	LL2V
Natural Sciences – see page 151	
<i>Courses are three-year programmes unless otherwise stated</i>	

## KEY FACTS

### Admissions Tutor

Dr Nick Jones

### Telephone

+44 (0)1904 323251

### Website

[york.ac.uk/philosophy](http://york.ac.uk/philosophy)

### Email

[philosophy-admissions@york.ac.uk](mailto:philosophy-admissions@york.ac.uk)

**2015 Applications** 442

**2015 Admissions** 99

## TYPICAL OFFERS

### A levels

AAB (A\*BB or A\*AC from three A levels)  
AAA for F3V5, F3VM

### IB Diploma Programme

35 points (may vary for combined programmes)  
36 points for F3V5, F3VM with 6 in HL Mathematics and Physics

### BTEC Extended Diploma

DDD (may vary for combined programmes)

### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Certain specific subjects are required for the following combined programmes:  
English for QV35, French for RV15, German for

RV25, History for VV15, Mathematics for GV15, Mathematics and Physics for F3V5, F3VM

See page 176 for requirements for the School of PEP, page 187 for the School of SPS, page 151 for Natural Sciences

Either General Studies or Critical Thinking is acceptable, but not both

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING PHILOSOPHY

The aim of Philosophy is to gain a clearer understanding of ourselves and of the world in which we live. For example, philosophers try to understand what it takes to be a person; whether we have free will; how words have meaning; what a number is; what makes an action right or wrong; and what justice is and requires us to do.

You have probably already been fascinated, at some point, by this kind of question, and in studying Philosophy you will address them rigorously. You will study original works of philosophy in order to develop your own position in the light of the views put forward by others. You will be encouraged to support that position with considered arguments, to weigh up possible objections, and to develop answers to those objections – all of which takes creativity as well as careful thought. In the process you will grow and develop intellectually, as you arrive at well-founded views of your own.

One way of studying these problems is to look at the approaches taken by previous thinkers, so you will consider the questions asked by philosophers such as Plato, Aristotle, Descartes, Hume, Kant and Wittgenstein, and come to understand why they asked just those questions, and gave the answers they did.

Philosophy is a demanding and exciting intellectual activity. As you tackle absorbing questions, you learn to understand and engage with the thoughts of others and to develop and defend your own ideas. In the process you hone important transferable skills in analysis, creative problem solving and clear communication.

## PHILOSOPHY AT YORK

York's Department of Philosophy is relatively large, and staff have a very wide range of interests – from ethics to philosophy of mathematics, from philosophy of religion to ancient philosophy or the philosophy of art. As a result, we can offer a wide choice of modules in all the central areas of Philosophy.

Students appreciate the breadth of our teaching, and in the 2014 Research Excellence Framework assessment, 96 per cent of the Department's research activity was rated as internationally recognised.

Our programme is designed to develop fundamental skills that will make you a better philosopher, and which will be applicable to any further study and valued in a wide variety of careers. Over the three years of the programme we will support and encourage you to become more:

- knowledgeable
- astute
- probing
- articulate
- open-minded
- reflective
- analytic
- resourceful.

## OUR PROGRAMMES

In addition to single subject Philosophy we offer combined degrees with English, French, German, History, Linguistics, Sociology, Mathematics and Physics. With the exception of Physics with Philosophy (where students study these subjects in the ratio 2:1), students on combined programmes divide their study equally between the two subjects – though for some programmes it is possible to vary the balance in the final year.

We also contribute to programmes in the School of Politics, Economics and Philosophy (see page 176), the School of Natural Sciences (see page 151), and the School of Social and Political Sciences (see page 187). Further details of all our programmes are available on our website.

## WHAT YOU STUDY

The modules on offer and the course structure may vary from year to year, but our programmes are carefully planned to ensure that you have a firm grounding in central philosophical topics before moving on to specialise.

### Year 1: Introduction

The first year introduces key issues in Philosophy and develops foundational skills in close reading, clear writing, collaborative discussion and critical evaluation. We currently offer the following modules:

- Reason and Argument
- Introduction to Ancient Philosophy
- Ethics
- Knowledge and Perception
- Early Modern Philosophy
- Metaphysics.

All Philosophy students take the skills-based module *Beginning Philosophy*. Single subject students also carry out a short independent research project – although you can take a language course or a module in another department instead.

Students on combined degrees study fewer Philosophy modules; the exact make-up of your course depends on which programme you are studying.

Marks for first year Philosophy modules do not count towards your final degree class.

### Year 2: Deepening understanding

In the second year you will have the opportunity to investigate areas of Philosophy that particularly interest you, developing your knowledge and understanding through a number of Key Ideas modules, and honing your skills by working on a specific topic in a small tutorial group led by an expert tutor.

The range of Key Ideas modules is wide, covering areas such as ethics, theory of knowledge, philosophy of mind, metaphysics, philosophy of art, philosophy of religion, philosophy of language, non-western philosophies and a variety of key periods and figures in the history of philosophy.

### Year 3: Advanced options

In your final year you will use the knowledge, understanding and skills you have built up to tackle challenging modules led by academics researching in these specialist fields, and undertake substantial independent work. Recent third year module topics have included:

- Major figures in western philosophy, from ancient times to the present
- Chinese, Indian and Islamic philosophy
- Philosophy of art (including film), creativity and imagination
- Applied ethics, including bioethics
- Philosophies of mathematics, physics and history
- The philosophy of religion
- Problems of knowledge, including perception, knowledge of the past and cognitive diversity
- Consciousness and other topics in the philosophy of mind
- An independent research project.

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*I chose York because the course covered many different aspects of philosophy and offered a diversity of topics in all three years. I've really enjoyed the Knowledge and Reality module; it focuses on questions about what we know and what there is, things we simply take for granted. The Department's staff are incredibly supportive, helping me to achieve the best possible grades and expand my horizons."*

Angus (BA Philosophy, 2nd year)

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Single subject Philosophy students typically take five full modules (which may include a module in another department).

Combined programme students will typically choose at least two Philosophy modules; Physics with Philosophy students choose one module. Most combined programme students take a bridge module exploring links between their two disciplines.

## TEACHING AND LEARNING

Learning Philosophy is not about passively absorbing information; it involves active participation. Our teaching gets you reading, thinking, questioning, discussing and writing philosophy yourself.

You need certain intellectual skills – in understanding, analysis, reasoning and communication – and our teaching aims to build your knowledge and develop these skills through lectures, reading advice and online content.

In seminars (groups of 12 to 15 students), smaller tutorials, reading groups, informal meetings and written work you will improve those skills through discussion, engagement with others and forming and defending your own considered opinions.

Throughout this process we support your learning with oral and written feedback. Every member of staff also has a weekly Feedback and Advice Time when they are available for informal discussion, and we actively encourage students to make use of these opportunities.

We believe that keeping our seminar groups small and encouraging this one-to-one contact makes our teaching more effective. These are some of the ways in which our approach is distinctive.

## STUDY ABROAD

Philosophy students may apply to spend their second year studying in Europe as part of the Erasmus+ scheme. Our current partners include the University of Paris and the Humboldt University in Berlin. You can also apply to spend your second year at one of our worldwide university partners in North America, South Africa, Asia or Australia – these exchanges are subject to a selection process.

## ASSESSMENT

Your work will be assessed by a mixture of essays and examinations. The exact balance of assessment methods depends on the modules chosen, but is typically equally balanced in the first and second years, with most third year modules being assessed by essay. The first year module Beginning Philosophy is assessed in part by online tests, and the first year project currently requires students to create and present a conference poster.

In recent years over three quarters of our students

have obtained a First or 2:1 degree; nearly all the rest obtained 2:2. Since external examiners make sure that our standards are comparable with other universities, this high performance reflects the ability of our students and, we believe, the teaching that enables that ability to be realised.

## ADMISSIONS

In assessing applications we look at actual and predicted examination results, at the reference from your school or college, and at your personal statement. If we offer you a place we will also invite you to visit the University – if you wish – to meet our staff and students, explore the campus, and try a taste of University study. We also welcome independent visits.

### Entry requirements

Our typical offers are shown on the front page of this section, together with any specific subject requirements. There are no such requirements for single subject Philosophy; all A level subjects (or equivalent) are acceptable and General Studies or Critical Thinking A level are accepted alongside other subjects but not both together.

### Mature students

The normal entry requirements may be modified for mature students, and you are welcome to contact us for advice. We would be pleased to receive your application, and usually several mature students join us each year. If the UCAS form does not give you space to detail your academic and life experience, you can send further documentation to [ug-admissions@york.ac.uk](mailto:ug-admissions@york.ac.uk) (please quote your UCAS number).

## WHAT OUR GRADUATES DO

Skills in analysis, creative problem solving and clear communication are essential to Philosophy, and are all attributes which employers value highly.

Philosophy graduates enter a variety of jobs including private sector management, the Civil Service, information technology, charities, banking, accountancy, local government and the media.

Some continue in academic study, or take professional or vocational training to prepare for careers in, for example, education or the law.

Examples of recent graduate employment include:

- Teacher
- Research Consultant
- Lawyer
- Software Developer
- Business Development Manager
- Banking Trainee

for a wide range of employers, such as:

- Teach First
- Content Guru
- Mavens of London
- Lloyds TSB
- Nabarro
- TPP.

# Physics

The Department of Physics offers the highest quality physics education in a leading research environment. An enthusiasm for teaching and excellent staff–student rapport ensure an extremely supportive atmosphere

## Programmes

## UCAS

<b>BSc Physics</b>	F300	<b>MPhys Theoretical Physics</b>	
<b>BSc Physics</b> with a year abroad (4 year)	F302	with a year abroad (4 year)	F348
<b>MPhys Physics</b> (4 year)	F303	<b>BSc Physics with Philosophy</b>	F3V5
<b>MPhys Physics</b> with a year abroad (4 year)	F305	<b>BSc Physics with Philosophy</b>	
<b>BSc Physics with Astrophysics</b>	F3F5	with a year abroad (4 year)	F3V7
<b>BSc Physics with Astrophysics</b>		<b>MPhys Physics with Philosophy</b> (4 year)	F3VM
with a year abroad (4 year)	F3F7	<b>BSc Mathematics/Physics</b> (Equal)	GF13
<b>MPhys Physics with Astrophysics</b> (4 year)	F3FN	<b>BSc Mathematics/Physics</b> (Equal)	
<b>MPhys Physics with Astrophysics</b>		with a year abroad (4 year)	GFD3
with a year abroad (4 year)	F3F8	<b>MMath Mathematics/Physics</b> (Equal) (4 year)	GFC3
<b>BSc Theoretical Physics</b>	F345	<b>BSc/MPhys Physics</b>	
<b>BSc Theoretical Physics</b> with a year abroad (4 year)	F347	with a Foundation Year (4 or 5 year)	F304
<b>MPhys Theoretical Physics</b> (4 year)	F346	Natural Sciences – see page 151	

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutor

Dr Charles Barton

#### Telephone

+44 (0)1904 322241

#### Website

[york.ac.uk/physics](http://york.ac.uk/physics)

#### Email [physics-admissions@york.ac.uk](mailto:physics-admissions@york.ac.uk)

**2015 Applications** 745

**2015 Admissions** 127

### TYPICAL OFFERS

Typical offers may vary for combined programmes

**A levels** AAA

#### IB Diploma Programme

36 points including HL 6 in essential subjects

#### BTEC Extended Diploma

DDD plus A at A level in Mathematics and Physics

### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Mathematics and Physics grade A at A level or equivalent

Excluding General Studies and Critical Thinking

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.0 with at least 6.0 in all units

## STUDYING PHYSICS

Physics is the most fundamental of the sciences; its discoveries are hugely influential and have wide-ranging impacts across many interdisciplinary areas, from technology and medicine to computers and power stations. As a subject, Physics has designed the world we live in today and is at the forefront of shaping future world technologies, pushing boundaries in areas such as quantum computers and nuclear fusion. It is vital in our understanding of how the universe works in both the everyday and the extraordinary, from understanding why the sky is blue and the grass is green to quantum

entanglement and black holes. At its core, Physics is a journey of discovery in which topics are explored through teamwork, debate and collaboration across the globe. The efforts of physicists can be found in everyday technologies as well as at the forefront of discovery, driving both business and innovation.

Due to their natural abilities and the techniques developed through university study, Physics graduates are very employable and highly sought after across a broad range of fields. Physics as an academic discipline offers a great deal to its students and in turn Physics graduates have a great deal to offer employers. Currently at York, over 90 per cent of our graduates are employed

or in further study six months after graduation and 70 per cent of those in employment are in a professional or managerial job.

## PHYSICS AT YORK

Our programmes are delivered in a world-leading research environment, taught by academics at the cutting edge of their research fields. The Department's research and teaching excellence is shown in exciting new areas including state-of-the-art facilities. This includes the York JEOL Nanocentre which has one of the highest resolution STEM and TEM microscopes in the world. The York Plasma Institute, home to the largest nuclear fusion research group in the UK, houses the remote tokamak control room enabling participation in tokamak experiments anywhere around the world. Our York Centre for Quantum Technologies is the leading quantum communications hub in the UK and our Astrocampus houses numerous optical, solar and radio telescopes in a dedicated observatory. Our academics have established strong links with industry leaders, allowing students further opportunities to enhance their studies through industry placements and studying abroad.

We promote excellent staff-student rapport within the Department, which ensures an extremely friendly and supportive atmosphere for our students. Regular supervision meetings, small group tutorials and our 'open door' policy for approaching academic staff are distinctive in our teaching approach and enable students to share their insights and develop a deeper understanding of their subject. Our extended level of support has recently been recognised in the YUSU Excellence in Teaching and Supervision awards, winning the departmental award for its high quality supervision. In the National Student Survey, Physics at York consistently scores well and averages over 90 per cent in student satisfaction with the quality of the course. In the 2014 Research Excellence Framework assessment, 95 per cent of the Department's research activity was rated as internationally excellent.

## OUR PROGRAMMES

Our programmes are built around a solid core of knowledge and training in Physics. All students complete a thorough grounding in physics knowledge, scientific principles and methods, through a common core set of modules to gain a comprehensive understanding of fundamental physics. This ensures that our degrees are accredited by the Institute of Physics, the professional body of physicists, and provide the tools and knowledge for students to specialise and tailor their degree as they progress their studies. Flexibility within programme structures enables students to choose to study a broad-ranging physics curriculum or align their studies to specific

areas of interest such as nuclear or plasma physics, directly influenced and taught by our leading research groups. This allows students to understand how physics interrelates with other subjects and industry.

Our Physics programmes are offered as a four-year integrated Masters (MPhys) or a three-year Bachelors (BSc) degree. The MPhys provides the opportunity to develop specific advanced physics skills and is suited for those looking to enter an academic or industry-led research career. The BSc covers a broad-ranging curriculum and provides an excellent pathway into graduate-level careers or postgraduate study. Our range of courses offer you the opportunity to pursue specific interests such as theoretical physics or astrophysics, or subject combinations with Philosophy or Mathematics. For students who do not possess the required Physics and Mathematics background, we offer a Foundation Year for entry onto our main pathways. To enhance your studies, you may also add a placement year, either studying abroad with one of our European partners or through an industrial placement.

### Opportunities with industry

The White Rose Industrial Physics Academy (WRIPA), promotes collaboration with key industrial partners and builds on our tradition of growing ties with industry. It provides enterprising opportunities between students and industry, giving practical insight into the problems physics can address. Students have the opportunity to gain hands-on experience of research and development projects within industry through real-world industry-led projects, final year project placements and a year in industry placement, all of which can expand opportunities on graduation.

## WHAT YOU STUDY

You gain a fundamental core of knowledge and training through prescribed modules within our Physics core. This common core is taught to all students through the first two years and equips you with the necessary methods and interpretation skills to expand your studies, evaluate problems and interpret solutions. Later stages combine core material options with a project or advanced laboratory. The project gives opportunities for developing practical, organisational and communication skills, enhancing techniques and approaches needed for future careers.

The final year of the Masters programme extends the BSc programme by providing an opportunity for further engagement with research staff, through in-depth and research-inspired modules and a large-scale individual project. This gives you the opportunity to develop subject-specific knowledge to suit your own developing interests.

Transfer between the BSc and MPhys is possible at the end of the first and second year of study; subject to course achievement and Departmental approval.

### Years 1 and 2

The first year begins with the investigation of core fundamental physics and mathematics needed to consolidate pre-university studies and build on concepts and understanding for the second year. You will concentrate on developing your learning strategies and establishing general physics concepts. This is combined with extensive and co-ordinated study of mathematical methods and techniques which are necessary to underpin the subject. You will study areas such as electricity and magnetism, heat and kinetic theory, mechanics, quantum physics and relativity, and mathematical methods. These are explored through a varied lecture series, supported by regular tutorials and academic supervision meetings. Essential laboratory modules develop your experimental and computational techniques, allowing you to carry out scientific investigative studies, interpreting outcomes and helping to demonstrate theoretical aspects of subjects studied through lectures.

Ideas introduced in Stage 1 are expanded and explored through Stage 2 study, investigating areas including electromagnetism, quantum mechanics and thermodynamics, atomic, nuclear and particle physics, and physics of the solid state. Further laboratories will enable you to plan and execute experiments over extended periods of time, critically analysing laboratory techniques



*Physics only gets into its stride when you get to university; if you like it now, you'll love it at the University of York. Lecturers always go out of their way to make lectures interesting, through demonstrations or by linking modules with their research. The relationship between students and staff here is unique. I would really encourage you to come to an Open Day to experience the positive atmosphere within the Department!"*

Sammy (MPhys Physics, 3rd year)

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and results. Both laboratories and group projects allow you to develop your problem-solving and interpretation skills, effectively collaborating in group projects to develop and present sophisticated concepts.

Supporting these studies are comprehensive Professional Skills modules which develop the core competencies required of any physicist. These include IT skills, report writing, experimental techniques, problem solving and computer programming. These skills are explored through a mix of activities, including laboratories, workshops, lectures, programming classes and small group teaching. Professional skills are embedded in our core teaching throughout each year of study and are developed in later years to include careers advice and support as students prepare for graduation.

### Final year

In the final year, you will have the opportunity to study a range of advanced modules incorporating learning in specialist fields. This allows you to apply the core knowledge you have gained through previous years' study in topics aligned with our internationally recognised research groups, in areas such as advanced plasma nuclear and computational physics, material physics, biophysics and further quantum mechanics, allowing you to tailor your interest and knowledge as your studies progress. You will plan and execute extended investigations, under the guidance of an academic project supervisor, professionally presenting your findings to conclude your studies.

For those completing a BSc programme, a major research project is undertaken during the course of the third year. For MPhys students, the major research project is undertaken in the fourth year, with further advanced laboratory work and the development of research skills in the third year. You combine advanced option modules, developing a deeper understanding and high-level skills to enhance your final year project work. Final year projects are an exciting opportunity to take part in and contribute to original research, and can help to orientate your career aspirations. In some cases, journal publications have arisen from our students' excellent project work.

### YEAR ABROAD

You can apply to combine your study of Physics with the experience of living in a foreign country through our year abroad placement. Run through the Erasmus+ scheme, the Department offers exchanges with our European partners. These include the universities of Bologna (Italy), Lille (France) and Heidelberg and Münster (Germany). All of the Year Abroad degree programmes are four years in duration, with the third year being spent overseas. For BSc degree students, the year abroad constitutes an additional

year in which some Physics modules and a project will be undertaken at the partner university, in addition to related science, cultural and language modules. MPhys degree students will take a prescribed set of modules aligned to York's Year 3 curriculum before returning to complete their final Masters level study year. Additional language tuition is available in preparation for your placement year abroad. Language prerequisites to GCSE standard apply. Year Abroad programmes can be selected through the UCAS system at the time of application.

## YEAR IN INDUSTRY

An industrial placement year allows you to gain valuable knowledge and experience in a commercial setting. It takes place in the penultimate year of study, before you return to York to complete the final year of your BSc or MPhys studies. During an industrial placement, you are assigned an industrial supervisor, who is an employee of the company, and an academic supervisor from the Department; both will keep in touch and monitor your progress throughout your placement. Registration onto the programme takes place during the first and second year of study and can be nominated during the course of study. Students on these programmes are responsible for finding their own placement; the Department has a large database of contacts and will organise company visits and events to assist in the search, but a placement cannot be guaranteed. The Department also provides significant support and advice throughout the application process. Students who are not successful in obtaining a placement will be transferred to the standard pathway.

## BSc/MPhys Physics

Physics studies the fundamental forces of the Universe and the nature of waves, particles, and the structure of matter. You will study systems that are near absolute zero or as hot as the core of a Supervova, systems with energies ranging from those important to chemical reactions to the energy scale of nuclear reactions, systems with densities as low as the vacuum of space to as high as nuclear matter and neutron stars. Options to investigate subjects like nanosystems, semiconductors, fusion plasmas, aspects of biophysics, quantum computing, and quantum states in nature will develop a deep understanding of complex physics. With access to state-of-the-art equipment, you will be able to perform research activities, analyse complex situations and principles, assess a variety of problems and propose real-world solutions.

## BSc/MPhys Physics with Astrophysics

Physics with Astrophysics gives you an understanding of the scale and physical processes at work in the Universe. From nuclear reactions that power the sun to the great

challenges of cosmology, you gain an appreciation of the greater cosmos, in topics aligned with the Department's active research. Specialist modules allow you to pursue a broad understanding of modern astrophysics across the electromagnetic spectrum including stars, galaxies and the exotic concepts of dark matter and dark energy. A flagship facility of the programme is the Astrocampus, the Department's dedicated observatory. You are given autonomous access to telescopes from the first weeks of study and develop key skills in detection methods from optical, solar and radio telescopes.

## BSc/MPhys Theoretical Physics

Theoretical Physics explores the physics of the world around us, focusing on how mathematical and computational knowledge describes the framework and structure of the field. Theoretical physicists have made many key contributions to physics by using mathematical and computational methods. Today, these mathematical tools are joined by an array of computational methods which permit theoreticians to address complex systems and problems that are inaccessible to a purely mathematical analysis. You will explore modern day theoretical skills and techniques, providing a balanced programme, ranging from traditional mathematical physics methods to the simulation of large, complex physical systems on supercomputers. A flagship of the programme is the access to a range of powerful supercomputers. Through lectures and practical laboratory sessions, you will learn substantial computational skills, with the opportunity to learn parallel programming. The Department owns a number of supercomputers (over 700 cores) which are used by students in areas of project work and for parts of specialist computational modules.

## BSc/MPhys Physics with Philosophy

Physics with Philosophy stresses the most fundamental aspects of physics setting them in the wider context of natural philosophy. You are given a broad perspective of the insights of great thinkers, where the works of Newton and Einstein stand alongside those of Plato and Kant. Roughly one third of the course will be taken from a selection of modules with the Department of Philosophy. Within Physics, you will complete the same physics core as in other courses, providing you with a thorough grounding in fundamental physics and mathematics. The programme provides an all-round study of physics, set in the wider context of its place in human knowledge. Tackling fundamental questions about the nature of space, time and matter provides a challenging and rewarding study pathway.

## BSc/MMath Mathematics and Physics

Mathematics and Physics are natural subjects to combine in a degree programme. This programme incorporates all-round coverage of physics with a greater emphasis on the study of fundamental mathematics, emphasising the mathematical structure of physical theory. Approximately half the teaching takes place in the Department of Mathematics, offering modules in areas such as dynamical systems, fluid mechanics and nonlinear dynamics, as well as rigorous training in underlying mathematical theory.

## BSc/MPhys Physics with a Foundation Year

The Foundation Year course offers an opportunity for those who have potential, but who do not possess appropriate qualifications to study Physics. The course is aimed at mature students seeking a change in career or students obtaining A levels who have not studied Physics and/or Mathematics to A level standard. The course syllabus is based on modified versions of A level material in Mathematics and Physics, including practical physics elements in which students learn in well-equipped laboratories. Covering University entry-level content in three terms is a demanding task; limited course numbers allow teaching in small groups with considerable personal support. Following successful completion, you may transfer to the first year of any of our Physics degrees.

We also offer an alternative to the Foundation Year in partnership with the Open University. This scheme is known as OpenPlus and enables students to complete the Foundation Year and first year studies with the Open University on a flexible basis. Upon completion, students are able to transfer to York to complete the final years of their chosen Physics degree.

## TEACHING AND LEARNING

With a wide variety of material included in our varied modules, you will learn from a range of teaching methods including lectures, laboratory work, tutorials, problem classes, seminars and workshops. Formal lectures are supported by small group tutorials in which questions arising from the lectures, problems with question tasks or more general aspects of physics are discussed. In addition, you will meet regularly with your academic supervisor who will offer guidance and support throughout your degree, helping you to develop physics problem-solving skills.

## STUDY ABROAD

In addition to the year abroad placement scheme, exchanges with other universities in North America, South Africa, Asia and Australia are available. Physics students can apply for places on these schemes in competition with students from other departments within the University.

## ASSESSMENT

The final degree is awarded on the basis of performance in formal written examinations and continuous assessment. Frequent and timely feedback is given on work submitted by students to enhance their development. We also ask for regular feedback from our students to help us maintain our high standards of teaching quality.

## ADMISSIONS

Applicants are welcomed from students with a range of educational backgrounds. All prospective students are assessed on the basis of individual merit and recognised potential. Applicants are selected for interview based on the information listed in their UCAS form. Upon completion of a successful academic interview an offer will be determined taking into account both feedback gathered at interview and information from your UCAS form. Our typical A level offer is grades AAA including Physics and Mathematics and a suitable third subject. In certain circumstances AS Mathematics at A grade may be considered instead of A level Mathematics for the BSc programme with students required to take the additional Maths Plus option in the first year of study.

## WHAT OUR GRADUATES DO

Graduate employment is taken very seriously at York. Currently, over 90 per cent of our graduates are employed or in further study six months after graduation and 70 per cent of those in employment are in a professional or managerial job. The range of skills acquired during our degree programmes equips our graduates with a variety of techniques applicable in many fields of science and engineering.

Examples of recent graduate employment include:

- Clinical Scientist
  - Computer Simulation Consultant
  - IT Support Engineer
  - Automotive Electrical Engineer
  - Hydrocarbon Accounting Technician
  - Patent Attorney
- for a wide range of employers, such as:
- Doosan Babcock Energy
  - Qinetiq
  - KPMG
  - Cambrionix
  - Omnicom Engineering
  - BAE Systems.



We are continually investing in world-class facilities to support your learning experience



# Politics

*"York combines an excellent academic environment with a vibrant student life and a beautiful campus. I love the fact that I am studying in a worldwide-recognised university which has won awards for its achievements"*

Politics undergraduate

## Programmes

UCAS

<b>BA Politics</b>	L200	Programmes in the School of Social and Political Sciences – see page 187	
<b>BA International Relations</b>	L250		
<b>BA Politics with International Relations</b>	L201	<b>BA Social and Political Sciences</b>	LL32
<b>BA English/Politics</b> (Equal)	QL32		<b>BA Social and Political Sciences with Philosophy</b>
<b>BA History/Politics</b> (Equal)	VL12	<i>Courses are three-year programmes unless otherwise stated</i>	
Combined programmes in the School of Politics, Economics and Philosophy – see page 176			
<b>BA Economics/Politics</b> (Equal)	LL12		
<b>BA Philosophy/Politics</b> (Equal)	VL52		
<b>BA Philosophy, Politics and Economics</b>	LOV0		

### KEY FACTS

#### Admissions Tutor

Dr Sofia Vasilopoulou

#### Telephone

+44 (0)1904 323569

#### Website

[york.ac.uk/politics](http://york.ac.uk/politics)

#### Email

[poli-ug-admissions@york.ac.uk](mailto:poli-ug-admissions@york.ac.uk)

**2015 Applications** 848

**2015 Admissions** 164

### TYPICAL OFFERS

#### A levels

AAA for VL12  
AAB for L200, L250, L201 and QL32

#### IB Diploma Programme

36 points for VL12  
35 points for L200, L250, L201, QL32

#### BTEC Extended diploma

DDD (may vary for combined programmes)

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Essential subjects are required at grade A at A level or equivalent for the following combined programmes:

English for QL32

History or Classical Civilisation for VL12

Excluding General Studies

See page 176 for the School of PEP

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING POLITICS

The study of Politics involves looking at the ways in which societies collectively manage their affairs, distribute their resources, and engage in and resolve conflicts, as well as the ideas and beliefs that inform our political judgements. As an academic discipline, Politics is also concerned with the analysis of political behaviour and with understanding the rules and norms that govern political institutions and power relations in society as a whole.

## POLITICS AT YORK

We are one of the top Politics departments in the UK, currently ranked tenth in *The Complete University Guide* and eighth in the 2014 Research Excellence Framework. In the latest National Student Survey, 92 per cent of our final year students were satisfied with their course and 96 per cent said their course was enhanced by the quality of teaching. This gives us the highest teaching satisfaction score of all Russell Group universities for Politics.

Our staff are committed to both teaching and research of the highest standard and applying their knowledge to real-world problems. As well as being international experts in their field, they advise governments and international organisations on a wide range of issues and regularly contribute to news and current affairs programmes globally.

We help you develop the skills and confidence to thrive in your career, whether that is in politics, policymaking, research or another field. We encourage you to think critically and independently about the ethical and practical dilemmas of politics and to apply theoretical knowledge to real-world situations.

Whatever your goals and aspirations, we help you prepare for employment from the very start of your degree, teaching transferable skills, offering bespoke career guidance and supporting you to maximise work experience opportunities. Our latest graduate destination figures show that 90 per cent of our graduates secured employment or further study by six months after graduation.

## OUR PROGRAMMES

You can study Politics or International Relations as a single subject, or Politics combined with International Relations, English or History. All of our programmes offer a wide choice of modules, which are structured around four common themes:

- Comparative politics and public policy
- Political economy and development
- International relations, conflict and security
- Historical and modern political thought.

Choice and flexibility are at the heart of each of our courses; there are a wide range of modules on offer, meaning that you graduate with a degree tailored to your own interests and passions.

You can also choose to study a combined degree programme in the School of Politics, Economics and Philosophy (see page 176); or an interdisciplinary degree programme in the School of Social and Political Sciences (see page 187).

### BA Politics

You will learn about the whole spectrum of Politics, spanning the history of classical and modern political thought, British politics, environmental politics, the politics and government of the EU, development politics, human rights, globalisation and financial regulation.

### BA International Relations

Delve deep into our changing political landscape to understand the role of emerging nations, and how world

events can affect the delicate balance of global power. You will challenge the boundaries of justice and human rights, and investigate a wide range of issues that have global impact and require international co-operation if they are to be resolved or managed effectively. You will develop specialist knowledge in international politics and international political economy, conflict, security and post war construction, global justice, state fragility, ethnic conflict and human security.

### BA Politics with International Relations

You will learn about the whole spectrum of Politics, spanning the history of classical and modern political thought, alongside the study of International Relations. You will develop specialist knowledge in international politics and international political economy, conflict, security and post-war reconstruction, global justice, state fragility, ethnic conflict and human security. You will be placed at the heart of current political thinking, research and debate, learning from some of the world-leading authorities in the academic field of Politics and International Relations.

### BA English/Politics

This combined programme will enhance your understanding of the world around you in an innovative, thought-provoking way. Studying English asks you to embrace new ways of thinking about the world and new possibilities of expression. Studying Politics invites you to engage with a vast spectrum of political issues and problems. Studying both subjects together asks how literature and politics work to shape the world.

### BA History/Politics

Understanding the past is crucial to responding to the political challenges of the future. Our History and Politics programme will help you attain a global understanding of events, institutions and structures.

## WHAT YOU STUDY

### Year 1

You are introduced to the key concepts, theories and approaches of Politics through four core modules:

- Politics, Power and Society
- Introduction to Democratic Politics
- Introduction to Political Theory
- Introduction to International Politics.

Politics, Power and Society provides a broad overview; the other three modules introduce key areas of Politics in greater depth. The number and selection of modules depends on the course you are taking.

## Year 2

This year covers diverse approaches to particular areas of Politics and develops your ability to analyse political texts, systems and processes, and international politics. You can choose from a variety of modules according to the programme you study. Module options include:

- Contemporary Political Philosophy
- History of Political Thought
- State, Economy and Society
- War and Peace
- Politics of Development
- Human Rights and Wrongs
- Politics in the United Kingdom
- Ethics and World Politics
- Global Security Challenges
- The Rising Powers
- US National Security after the Cold War.

## Year 3

You specialise according to your own interests by choosing from a range of modules across the breadth of Politics and International Relations. Module options include:

- Governance of Security
- Ethnicity and Conflict
- Global Justice
- Border Politics
- Political Economy of Development
- Africa and International Politics
- Green Politics
- Gender and Political Theory
- Health and World Politics.

You also write a dissertation based on your own research, with one-to-one guidance from a supervisor. The research, analysis and presentation skills that you develop while doing this will be invaluable for your future career or in further study.

## TEACHING AND LEARNING

You are taught by academics at the forefront of research across a number of political areas such as conflict and development, international politics, political theory and public policy. Our expertise and experience feed directly into our teaching.

Our courses are taught through a combination of lectures, seminars, workshops and individual one-to-one supervision. We use innovative teaching methods,

including web-enhanced tasks, problem-based learning, applied methodology and interdisciplinary teaching.

We offer a personal approach to learning, with much of our teaching conducted in small groups. Your personal supervisor will provide support and guidance throughout your studies, offering weekly feedback and guidance hours in which you can discuss your ideas and check your progress. Our staff are very approachable; our doors are always open if you want to discuss a particular issue.

We offer study skills workshops and special support if you have particular learning needs.

## STUDY ABROAD AND PROFESSIONAL PLACEMENT

### Three-plus-one pathway

BA Politics, BA International Relations and BA Politics with International Relations have a one-year professional placement or study abroad option. You can apply to add an additional year to your course between the second and third years, and return to complete your final year in York.

Adding a year's professional placement to your course can help you get ahead in the graduate job market by developing your employability and professional skills.

Students on programmes with a professional placement are responsible for finding their own placement. The Department will actively assist in the search but a placement cannot be guaranteed. Students who are not successful in obtaining a placement will be transferred to the standard programme.



*The variety of modules on offer attracted me to York. I've focused mainly on issues of international development and poverty, and I've also studied the 1984 UK miners' strike. I enjoy seminars, which are always lively, and the tutors are genuinely interested in what you have to say. The Department staff are very friendly, and you can't help but be enthused by their passion for what they do."*

**Chris (BA Politics, 3rd year)**

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Alternatively, you can apply to live and study abroad for your additional year, giving you the chance to travel to new destinations, experience another culture, develop personal skills and, potentially, learn another language.

### **Additional study abroad opportunities**

All of our other Politics courses offer the chance to study abroad for a year as part of your course. You spend your second year living and studying abroad and return to finish your final year no later than those admitted in the same year at York. You can apply to study abroad for up to a year at one of a number of prestigious universities, including the University of Illinois; the University of Rochester, New York; the University of Pennsylvania; Rutgers, the State University of New Jersey; the University of Sydney; York University, Canada; the National University of Singapore; and the University of Hong Kong.

There is also an opportunity to take part in the Erasmus+ exchange programme, currently at the University of Bergen, Norway; the University of Konstanz; SciencesPo, Paris; the University of Rome; the University of Barcelona; and the Anglo-American University, Czech Republic.

### **ASSESSMENT**

Assessment of Politics modules in the first and second year is by a combination of essays and examinations. Third year option modules are typically assessed by essays and some may include examinations.

### **ADMISSIONS**

The decision to make an offer is usually reliant on the UCAS form alone, but some mature applicants may be invited for interview. If you are offered a place you will be invited to visit the Department for a post-offer visit day to meet with members of staff and students. It is not necessary for Politics applicants to have studied Politics as an A level or equivalent subject before coming to the University. However, if you are applying for the joint degrees with English or History you are required to achieve an A at A level in these subjects respectively. We do not make offers that include General Studies at A level.

We warmly welcome applications from mature students and our admissions policy aims to increase the proportion of mature students admitted each year. We would normally expect such candidates to have taken a university Access course or a Foundation degree as part of their preparation for university entrance. Our Admissions Tutor is happy to discuss recommended routes of study for those who have not taken A levels or equivalent qualifications.

Each year we admit a number of undergraduate overseas students who find a welcoming and supporting

environment in which to study for up to a year as a visiting student, or to undertake an entire degree programme. Such students are expected to have good English skills (minimum 6.5 IELTS) and a strong academic background. See the section for international students on page 30. For more information, visit our website.

### **WHAT OUR GRADUATES DO**

The Department provides a range of services to enhance the skills, employability and careers of our graduates. These include departmental support for placements and work experience, constructing a CV, contacts and guidance from alumni, and a range of important transferable skills in our curriculum. Your personal supervisor will give you guidance on how to develop your employability and skills from the first year onwards. Politics students develop valuable skills and experience through a range of extra-curricular activities, such as working for student newspapers and radio, as well as participating in student societies such as the Politics Society, the International Development Society, the United Nations Association or local community organisations.

Many of our graduates go on to successful careers in industry, the not-for-profit sector, creative and media employment, finance, public administration, education, social welfare and information technology, or decide to pursue higher degree qualifications.

Examples of recent graduate employment include:

- Public Affairs Consultant
- Analyst
- Policy Research Intern
- Journalist
- Web and Communications Officer
- Parliamentary Assistant

for a wide range of employers, such as:

- Boston Consulting Group
- CharityWorks
- JP Morgan
- Food, Environment and Research Agency
- Energy Saving Trust
- NHS.

# School of Politics, Economics and Philosophy

The School of PEP offers uniquely interdisciplinary programmes that give students the flexibility to choose outstanding course modules in three excellent departments

## Programmes

## UCAS

<b>BA Philosophy, Politics and Economics (PPE)</b>	LOV0
<b>BA Economics/Philosophy (Equal)</b>	LV15
<b>BA Economics/Politics (Equal)</b>	LL12
<b>BA Philosophy/Politics (Equal)</b>	VL52

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutor

Dr Ignacio Jurado

#### Telephone

+44 (0)1904 323843

#### Website

[york.ac.uk/pep](http://york.ac.uk/pep)

**Email** [pep@york.ac.uk](mailto:pep@york.ac.uk)

**2015 Applications** 611

**2015 Admissions** 118

### TYPICAL OFFERS

#### A levels

A\*AA/AAA for LOV0,  
AAA for LV15, LL12 and VL52

#### IB Diploma Programme

37/36 points

#### BTEC Extended Diploma

DDD

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Mathematics essential for LV15, LL12

GCSE Mathematics grade A required, and Mathematics A level strongly recommended for LOV0

Excluding General Studies

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING PEP

Politics, Economics and Philosophy are usually studied in isolation from one another. Historically and intellectually, however, they are closely linked. Aristotle, Hume, Mill and Marx are among those whose thought is important in all three subjects. From different perspectives, the three disciplines explore questions about how human beings live together and co-operate in the production and control of resources such as power, money, energy, labour and land. These are issues central to society's concerns as a whole, and to each of us individually. An interdisciplinary degree in these subjects allows the student to confront the real world in all its complexity and diversity with a broad range of intellectual tools and transferable skills.

## PEP AT YORK

Since it was founded in 1986, the School of Politics, Economics and Philosophy (PEP) has established a very strong international reputation. The School is not itself a department but exists to co-ordinate combined degrees involving Economics, Philosophy and Politics. We provide integrated degrees in various combinations of these subjects, combining a rigorous training in each area with the flexibility to allow students to pursue their own particular interests. The defining characteristic of the four degree combinations offered is their interdisciplinary nature. Students take at least one of three interdisciplinary modules that explore the relationships between the subjects. These are The Democratic Economy; Rationality, Morality and Economics; and Ethics and Public Policy. They are specially designed and co-taught by experts in the relevant fields. Beyond these, students have a wide range of choice from the programme modules offered by three internationally recognised departments.

## OUR PROGRAMMES

The School of PEP offers four degree programmes consisting of 360 credits taken over three years:

- Philosophy, Politics and Economics (PPE)
- Economics and Philosophy
- Economics and Politics
- Philosophy and Politics.

All four programmes require certain modules to be taken in each of the disciplines, but beyond this students have the freedom, particularly in the third year, to weight their degrees towards particular subjects. One student may choose modules within the general theme of, say, Political and Moral Philosophy, while another might choose more diverse modules such as Life and Death, International Economics and Green Politics.

## WHAT YOU STUDY

### Stage 1: the first year

Students have to pass the Year 1 programme in order to progress to Stage 2. However, marks obtained during the first year do not contribute to the final degree classification.

### Stages 2 and 3: the second and third years

The final degree classification is determined on the basis of the 240 credits taken in the second and third years. Stage 2 and 3 requirements differ somewhat between the four degrees but share a common general structure.

### BA Philosophy, Politics and Economics (PPE)

In the first year, students take introductory modules in Economics and acquire knowledge of mathematical techniques for advanced study of the discipline. Students with A level Mathematics (or equivalent) can also choose modules in Probability and Statistics, which prepares them for a wider range of Economics options later in their degree. In Politics, students choose from Politics, Power and Society; International Politics; Political Theory; and Democratic Politics. Philosophy offers modules on Ethics; Knowledge and Perception; Reason and Argument; and Beginning Philosophy. Students can also choose an interdisciplinary module, Topics in PPE.

In the second year PPE students take a minimum of 30 credits in each of Philosophy and Politics, and 40 or 60 credits in Economics, depending on the route they have chosen. In Economics there are compulsory modules, but in Philosophy and Politics students can select from a range of options. In the third year students must take at least one module in each subject together with one of three interdisciplinary modules (The Democratic Economy;

Rationality, Morality and Economics; or Ethics and Public Policy). Beyond this, students are free to choose from any of the three disciplines to make up the balance of the degree.

### BA Economics and Philosophy

In the first year, students take an introductory module in Economics together with Probability and Statistics modules which are necessary for advanced study of the discipline. Philosophy offers introductory modules on Ethics; Knowledge and Perception; Reason and Argument; and both Ancient and Early Modern Philosophy.

In the second year Economics and Philosophy students take an equal number of credits in both subjects. In Economics there are compulsory modules but in Philosophy students choose from a range of options. In the third year students must take at least 40 credits in each subject, and the Rationality, Morality and Economics interdisciplinary module. Beyond this, students are free to choose from either discipline to make up the balance of the degree.

### BA Economics and Politics

In the first year, students take an introductory module in Economics, and Probability and Statistics modules which are necessary for advanced study of the discipline. Politics offers introductory modules on Politics, Power and Society; International Politics; Political Theory; and Democratic Politics.

In the second year Economics and Politics students take an equal number of credits in both subjects. In Economics students take compulsory modules but in



*I love how varied the course is – I am constantly confronting issues which push the boundaries of my beliefs. Studying Human Rights and Wrongs in a Globalised World has motivated me to pursue a career in human rights and development. The Club of PEP, a student-run society, reinforces a strong academic and social community.”*

Haydn (BA Philosophy, Politics and Economics, 3rd year)

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Politics they choose from a range of options. In the third year students must take at least 40 credits in each subject, and the interdisciplinary module, The Democratic Economy. Beyond this, students are free to choose modules from either discipline to make up the balance of the degree.

## BA Philosophy and Politics

In the first year Philosophy offers introductory modules on Ethics; Knowledge and Perception; Reason and Argument; and both Ancient and Early Modern Philosophy. Politics offers introductory modules on Politics, Power and Society; International Politics; Political Theory; and Democratic Politics. In the second and third years, Philosophy and Politics students take at least 40 credits in each subject, choosing from a range of options. In the third year, they also take the Ethics and Public Policy interdisciplinary module.

## TEACHING AND LEARNING

Coursework is normally centred around weekly seminars and tutorials containing between 10 and 16 students. In these meetings you will discuss your own work, under the guidance of a programme tutor. Seminars are normally accompanied by lectures.

The School prides itself on the friendliness of its staff and on the support that it provides for its students. Lecturers, seminar tutors and your supervisor will all help you to get the most out of the programme and, in particular, to understand the importance of interdisciplinary study.

## STUDY ABROAD

Students from the School of PEP may apply to participate in the University's overseas exchange programme, which provides opportunities to spend a year at universities in North America (USA and Canada), Asia (Singapore, Japan and Hong Kong), South Africa and Australia. The period abroad replaces the second year at York, and credits taken in the partner institution count towards the York degree.

## ASSESSMENT

Students are assessed by a variety of methods including unseen examination papers and long essays. Assessments occur in each of the three years of study.

## ADMISSIONS

The selection procedure is normally on the basis of the UCAS form alone, but some candidates may be invited for interview. If you are offered a place you will be invited to visit the University on a visit day during the Spring Term, so that you may talk to members of staff and students.

The School of PEP welcomes applications from candidates with backgrounds in any set of disciplines, and it is not necessary for you to have studied Economics, Philosophy or Politics. However, where a candidate is taking A levels or equivalent in both Economics and Business Studies then only one will be accepted. For those taking A levels, we do not normally accept General Studies. We require Mathematics A level (or equivalent) for Economics and Philosophy, and Economics and Politics. We do not require Mathematics A level for PPE, but we strongly encourage it. We require only GCSE Mathematics (grade A) or equivalent, but PPE applicants should certainly have sufficient interest in, and aptitude for, mathematics to cope with the mathematical elements of the course, particularly in Economics where it is useful to have learnt the basics of differentiation before starting your university course. We do not require Mathematics A level for the Philosophy and Politics degree.

## WHAT OUR GRADUATES DO

A degree from the School of PEP is a passport into a wide range of careers. Some graduates apply their specialist skills and knowledge directly as economists, statisticians or even politicians. But the PEP degrees are not primarily vocational. They provide training in the development of analytical skills, clarity of thought and an understanding of the complexities of social, political and economic life. Employers look for graduates with precisely these qualities. Thus our students have found employment in central and local government and private industry. They have become managers in banking, stockbroking, insurance, advertising and community work. Others have entered the creative arts and the media as journalists, film editors and publishers. Many graduates also go on to further study, either for higher degrees or for training in professional fields such as teaching, law, accountancy, finance and social work.

Examples of recent graduate employment include:

- Solicitor Advocate
- Business Consultant
- Political Adviser
- Corporate Finance Risk Analyst
- Marketing Executive
- Economic Adviser

for a wide range of employers, such as:

- New Statesman
- JP Morgan
- Citizens Advice Bureau
- IBM
- Grant Thornton
- House of Lords.

# Psychology

*"The Psychology programme at York not only gives you a broad understanding of psychology as a whole, but also equips you with the skills for a postgraduate career. In the third year you discuss current research, as well as undertaking a research project yourself"*  
Psychology undergraduate

## Programmes

UCAS

**BSc Psychology** C800

**MPsych Psychology** (4 year) C801

Natural Sciences – see page 151

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutor

Dr Rob Jenkins

#### Telephone

+44 (0)1904 323190

#### Website

[york.ac.uk/psychology](http://york.ac.uk/psychology)

**Email** [admissions@psychology.york.ac.uk](mailto:admissions@psychology.york.ac.uk)

**2015 Applications** 1,297

**2015 Admissions** 215

### TYPICAL OFFERS

**A levels** AAA/AAB

#### IB Diploma Programme

36/35 points including one Higher level in a science subject

#### BTEC Extended Diploma

DDD (in a science, see Department website)

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Grade A at A level or equivalent in at least one science subject, which may include Psychology and Mathematics

GCSE Mathematics or Statistics grade B is usually required

Excluding General Studies

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 6.0 in all units

## STUDYING PSYCHOLOGY

Psychology is a very broad subject, covering areas of interest from the wiring of the brain to social communication; from sensory perception to social disorders and effects of brain injury. What unifies these areas at York is a commitment to psychology as a rigorous experimental science.

## PSYCHOLOGY AT YORK

The Department of Psychology of York is one of the best in the country, and is in the QS World Top 100 rankings. The Research Excellence Framework, which assesses all UK higher education institutions, ranked the Department fourth for overall performance and second for research outputs in 2014, the latest assessment. We consistently score highly in the National Student Survey. Over the past three years, over 90 per cent of our students have graduated with a First or 2:1 degree.

The Department occupies modern purpose-built accommodation with our own large computer-based laboratory, a large lecture theatre, several seminar rooms and test cubicles. This means all our teaching takes place in our own building.

Our undergraduates have access to first-class research facilities. These include the Sleep Lab, the Action Perception Lab, facilities for measuring eye movements and other aspects of perceptual and cognitive function. The Department's Neuroimaging Centre (YNIC) houses a 3-Tesla MRI scanner for functional magnetic resonance imaging (fMRI), a 248-channel magnetometer for whole head magnetoencephalography (MEG), transcranial magnetic stimulation (TMS), and 96-channel electroencephalography (EEG).

## OUR PROGRAMMES

We offer a three-year BSc degree programme and a four-year MPsych degree programme. We do not offer combined degrees. Our aim is to cover psychology as an experimental science. Both the BSc and the MPsych programmes are accredited by the British Psychological Society as conferring eligibility for graduate membership of the Society with the Graduate Basis for Registration. This is the first step towards becoming a Chartered Psychologist.

The aim of our programmes is to lead students to an understanding of the substance of psychology, with emphasis on the empirical study of mind, brain and behaviour. We encourage students to develop a range of skills based on an understanding of scientific psychology, including hypothesis testing, data analysis, and the critical evaluation of empirical findings. More general skills in problem solving and effective communication facilitate access to a broad range of educational and employment opportunities.

## WHAT YOU STUDY

The BSc and MPsych programmes make similar intellectual demands on students, but the MPsych is more research-intensive and is relevant to a wide range of professions. The first two years are common to the two programmes. They consist of five strands:

- **Brain and Behaviour** examines the structure and function of the brain as it affects behaviour. It focuses on the latest neuroimaging techniques, studies of brain injury and how they can explain the brain processes that underpin behaviour and cognition.
- **Perception and Cognition** investigates how our senses gather and interpret information from the world. The strand describes how information from the senses passes to the brain for further processing. Cognitive psychology concerns the underlying nature of human intellectual abilities such as attention, thinking and memory.
- **Development and Language** focuses on how infants and children learn to perceive and interpret objects in the world, how they acquire language and how they learn to reason. It also explores abnormalities of development and consequences of deprivation.
- **Social, Personality and Abnormal Psychology** covers core themes of the social human being, including: verbal and non-verbal communication, attitudes, groups and inter-group relations. Personality focuses on the nature and origin of individual differences. The clinical aspect examines the causes of mental illness and their interpretation as a breakdown of normal mental and physiological processes.

- **Research Methods in Psychology** provides practical skills in experimental design, methodology and data analysis. Practical classes linked to the other strands give hands-on experience in various aspects of hands-on psychology.

The third year is when the BSc and MPsych programmes diverge. The BSc includes advanced modules, a literature review and a research project. The MPsych offers one of three specialisations to be taken during both the third and fourth years: Neuroscience and Neuroimaging; Developmental Disorders; and Experimental, Cognitive and Social Psychology. The MPsych also includes an extended research project and training in transferable skills. The advanced modules offered to both BSc and MPsych candidates can change from year to year but recent modules include:

- Introduction to Forensic Psychology
- The Psychobiology of Drug Addiction
- Developmental Cognitive Neuroscience
- Microanalysis of Communication
- The Cognitive Psychology of Sleep
- Issues in Clinical Psychology
- Psychology of Will.

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 *The Psychology degree at York appealed to me because of its British Psychological Society accreditation and the career opportunities this brings. The Department facilities are modern and very impressive, which makes York stand out. I loved our biological and abnormal psychology modules, and especially enjoyed volunteering as a research assistant in a short-term memory investigation."*

Amy (BSc Psychology, 2nd year)

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The literature review in your third year involves researching a clearly defined area of study of your choice. Recent examples include:

- The effect of child abuse on self-esteem
- Sensation seeking and risky sport
- The effect of birth order on personality development.

The research project is the single most important component of both the BSc and the MPsych degrees. It requires you to conduct and write up an original piece of research, working closely under the supervision of a member of staff. Students have access to all the sophisticated research facilities of the Department. Recent projects have investigated a wide range of topics, including:

- 'Boredom eating' as a cause of obesity
- The neural basis of face perception
- fMRI assessment of simulated glaucoma
- Social class and expressive language in primary school children
- The effects of albinism on social behaviour in a captive population of wallabies
- English and Mandarin speakers' perception of time.

Each year several of the best undergraduate projects are published in mainstream scientific journals.

## ASSESSMENT

In Year 1 the marks from your examinations do not contribute to the final degree class. In the second year examinations contribute to the final degree mark. Assessed coursework in the form of assessed essays and practicals provides valuable feedback in Year 1 and contributes to the final degree mark in Year 2. Year 3 (and Year 4, for the MPsych) assessments of the advanced modules, the literature survey and the research project contribute to the final degree mark.

## ADMISSIONS

Both our BSc and MPsych programmes are likely to be of most interest to applicants from a science background. One A level or equivalent should be in a science discipline, which may include Psychology and Mathematics. General Studies is not normally an accepted A level. You are normally expected to possess at least B in GCSE or equivalent in Mathematics or Statistics. Mature students or candidates with unusual qualifications should not feel inhibited about applying: your application will receive full consideration and is at neither an advantage nor a disadvantage.

A decision about whether an application merits the offer of a place is taken primarily on the basis of the information given on the UCAS form. Applicants are not interviewed. If you are offered a place you will be invited to a visit day to see the Department, meet staff and students, and look around the University.

## WHAT OUR GRADUATES DO

The majority of our Psychology graduates will use the variety of skills developed through the degree programme in fields of employment related to psychology. The combination of scientific and communication skills ensures that our graduates are literate, numerate, analytical and articulate. They are able to apply these skills in a wide range of careers in subject-focused areas such as clinical psychology, neuroscience and teaching, as well as in the more general areas of management services, the financial world and marketing. It is the mix of high academic achievement and work-related skills that makes our Psychology graduates particularly versatile in a wide range of graduate job markets.

In recent years, many Psychology graduates have chosen to continue their academic studies and have been successful in pursuing higher degree courses at universities in the UK and USA. Some of our graduates will go on to become professional psychologists in the academic world or in applied areas, such as clinical or occupational psychology. A proportion of the graduates entering teacher training may also become professional educational psychologists when they have had a period of practical teaching experience.

Examples of recent graduate employment include:

- Assistant Psychologist
- Child and Adolescent Mental Health Worker
- Assistant HR Adviser
- Business Intelligence Analyst
- University Researcher
- Teacher
- Brain Injury Rehabilitation Trust
- Teach First
- NHS
- Neuro Partners
- The Cochrane Collaboration
- Proctor & Gamble.

# Social Policy and Social Work

We offer a wide range of degree programmes in Applied Social Science, Social Policy and Social Work. All share a common concern with analysing the most pressing social issues of the contemporary world and understanding how we can use social scientific knowledge to tackle social injustice

## Programmes

UCAS

<b>BA Social Policy</b>	L430	<b>BA Social Work</b>	L500
<b>BA Social Policy – Children and Young People</b>	L432	Programmes in the School of Social and Political Sciences – see page 187	
<b>BA Social Policy – Crime and Criminal Justice</b>	L433		
<b>BA Criminology</b>	L611	<b>BA Social and Political Sciences</b>	LL32
<b>BA Applied Social Science</b>	L431	<b>BA Social and Political Sciences with Philosophy</b>	LL2V
<b>BA Applied Social Science and Social Policy</b> (Extended Degree) (4 year)	L401	<i>Courses are three-year programmes unless otherwise stated</i>	

### KEY FACTS

#### Admissions Tutors

Dr Stefan Kühner  
(BA ASS/Social Policy)  
Dr Katie Graham  
(BA Social Work)  
Dr Gareth Millington  
(BA Criminology  
and BA SPS)

#### Telephone

+44 (0)1904 321231

#### Website

[york.ac.uk/spsw](http://york.ac.uk/spsw)

Email [spsw-admissions@york.ac.uk](mailto:spsw-admissions@york.ac.uk)

[york.ac.uk](http://york.ac.uk)

**2015 Applications** 855

**2015 Admissions** 104

### TYPICAL OFFERS

#### A levels

BBB  
AAB for LL32 and L611

#### IB Diploma Programme

31 points  
35 points for LL32 and L611

#### BTEC Extended Diploma

DDM  
DDD for LL32 and L611

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

For L500 the Health and Care Professions Council (HCPC) requires all applicants to have GCSE grade C or above in Maths and English or a recognised equivalent

Applicants for L401 (Extended Degree) should contact the Department for more information

### ENGLISH LANGUAGE REQUIREMENT

For L500 IELTS 7.0 with at least 6.5 in all units  
All other courses IELTS 6.5 with at least 5.5 in all units

## STUDYING SOCIAL POLICY, APPLIED SOCIAL SCIENCE OR SOCIAL WORK

If you are interested in current social problems and are intrigued by finding solutions to them, if you are concerned to make a difference or to have a positive impact on people's lives, then one of our degrees could be just what you are looking for.

Students of Social Policy and Applied Social Science focus on understanding the impact social problems can have on people's wellbeing and on wider society. You will draw on ideas from across the social sciences to address

practical and theoretical questions about the nature of modern society.

Students of Social Work learn about the effects of disadvantage and oppression and how to put that knowledge and understanding into practice to effect positive change in people's lives. At the same time as studying for your degree, you will train for a professional qualification in social work, gaining the knowledge, understanding and skills needed for professional practice.

## SOCIAL POLICY, APPLIED SOCIAL SCIENCE AND SOCIAL WORK AT YORK

The University of York has a strong reputation for its work in applied social science, social policy and social work.

In the 2014 Research Excellence Framework assessment, which compares the research activity of all Social Policy and Social Work departments in the UK, York was ranked third overall. This means you will gain insights from lecturers whose research is cutting edge, with the majority of our staff having been assessed as either 'world-leading' or 'internationally excellent'. Through their work our staff are engaged in trying to improve people's lives by directly advising governments and other policy sectors on policy matters. We were rated equal first in the UK for the impact of our research.

We offer a high quality teaching environment that allows for frequent interaction between students and lecturers. The vast majority of teaching takes place in small group settings. Our teaching was rated as 'excellent' in the last Teaching Quality Assessment. Social Policy and Applied Social Science scored 97 per cent in the National Student Survey for overall satisfaction.

### OUR PROGRAMMES

Our BA (Hons) degree programmes are arranged into three distinct streams reflecting different interests and career pathways: Social Policy, Applied Social Science, and Social Work. We also deliver cross-departmental programmes: Criminology, and Social and Political Sciences.

### BA Social Policy

Three Social Policy programmes are offered:

- Social Policy
- Social Policy – Children and Young People
- Social Policy – Crime and Criminal Justice.

The Social Policy degree addresses major social and political debates but approaches these from an applied perspective. It is aimed at those who want to develop in-depth understanding of key policy debates and explore how policy problems might be addressed. The two specified pathway degrees in Children and Young People or Crime and Criminal Justice enable you to specialise more in these areas and undertake a placement, and also provide flexibility over module choices.

### BA Applied Social Science

The Applied Social Science degree provides a broad introduction and maximum flexibility in module choices for students who want to keep all their options open, or are undecided about what areas in social science they might like to focus on.

### BA Social Work

The Social Work degree offers a specified programme of study leading to a professional qualification in social work, for those who wish to pursue careers as social workers. The programme is accredited by the Health and Care Professions Council (HCPC), which is the professional body for social work. A core element of the degree is the two placements undertaken with local statutory and voluntary agencies. The programme has a strong focus on practice and learning from practice, and is delivered by the University in partnership with a number of agencies in the region.

### Cross-departmental programmes

We are also involved in the delivery of programmes that bring together expertise from different parts of the University, in an integrated single honours programme in Criminology (see below); and interdisciplinary programmes in Social and Political Sciences, delivered in collaboration with the Departments of Politics and Sociology (see page 187).

### WHAT YOU STUDY

Full details of our programmes – including a list of the option choices we provide – can be found on our website. Here we offer a brief overview.



*York's Social Policy course appealed to me because of the wide range of module options and the opportunity to undertake a third year placement. The interactive style of learning is really engaging. One role play involved designing, pitching and selecting policies to help us understand how the policy process works in action."*

Sophie (BA Social Policy, 3rd year)

## BA Social Policy

The degree in Social Policy provides a firm grounding in key theoretical concepts in the core social sciences, with an emphasis on policy-related questions. You will debate how governments might better tackle social inequalities, social division and social problems and where they should tackle social injustices or address unmet social needs.

You will therefore study aspects of sociology, politics, social theory and economics and learn how to draw on these subjects to apply their particular perspectives to analyse policy problems.

You will also learn about the process of policymaking, the constraints imposed globally and nationally on finding policy solutions, and how policies borrowed from other countries may or may not work. You will engage with a mix of social theory and be invited to explore your own policy solutions for problems in the real world.

In modules focused on Children and Young People, you will apply knowledge from social science to improve your understanding of children and young people's lives. This understanding can be applied to address policies for children and young people both at home and abroad at a time when services for children and young people are receiving unrivalled attention.

In modules focused on Crime and Criminal Justice, you will learn about crime as a topic of enquiry and about the connections between crime, societal responses to crime and policy solutions. For instance, drug misuse is not just an issue for law and the criminal justice system, but also for families, schools and healthcare services.

## BA Criminology

The Criminology degree offers a distinctive programme focusing on the social, economic and cultural aspects of crime and justice. After a core introduction to the subject, you will have flexibility to tailor your degree to specialist interests in this field. In the first year you will be introduced to social, political and policy-based approaches to crime and criminal justice. In the second year you will develop an understanding of how social, cultural and policy changes shape criminal activities. In the third year you can explore your own interests through option modules and a dissertation while developing more specialised knowledge in the theory of crime. You will graduate with a highly developed knowledge of our criminal justice system and the social, cultural, economic and psychological causes of crime.

The Criminology degree is a cross-disciplinary programme delivered in collaboration with the Department of Sociology. For more information about it, see page 190.

## BA Applied Social Science

The degree in Applied Social Science equips students with a firm grounding in key theoretical concepts found in the core social sciences. You will research and analyse social issues such as how social divisions of class, race, sexuality, gender, age and disability are perpetuated or alleviated and debate how social needs can be met in sensitive, efficient and effective ways.

## BA Applied Social Science and Social Policy (Extended Degree)

This is a four-year programme with the extended element being a first year that delivers teaching at HE Foundation level. The Foundation Year prepares you to progress to the first year of one of our BA (Hons) degrees in Social Policy or Applied Social Science. Progression is guaranteed on successful completion of the Foundation Year. For more information, check our web page links to 'Extended Degrees'.

## BA Social Work

The degree in Social Work offers a highly respected social work training programme which is based on three overarching themes:

- Knowledge for Social Work
- Contexts for Social Work
- Social Work Practice. (See website for more details.)

You will undertake modules which will develop your understanding of the impact of social inequalities on individuals, families and collectives; social inclusion; research-based social work theory; legislation and policy that guides social work practice; the morals and ethics that apply to social work; and the nature of social work practice with different service users and in different contexts, for example in the fields of mental health, physical health, disability, youth justice and child care.

You will undertake two placements during the degree; these are central elements of the degree and form the basis of much of the learning, especially in terms of the application of theory and knowledge to practice. In your final year, you will be able to opt for one of four specialist subjects: children and family; health and disability; mental health; or youth social work.

## TEACHING AND LEARNING

For students undertaking the Social Policy and Applied Social Sciences degrees, we use a range of teaching and learning strategies across our modules. In the first year, these include lectures that are supplemented with dedicated seminar and workshop activities, allowing you to extend and deepen your understanding

in smaller group settings. You will be supported in developing your writing skills, in referencing and in critical analysis. You will also learn how to conduct your own research projects.

Across the modules in all years you will be working in small groups to provide presentations and poster displays, discussions, online debate and role-play exercises. Occasionally, optional field trips are offered on some modules. In the final year students are given one-to-one teaching support for their dissertations. In the third year you can undertake a placement in a workplace setting, for which you are supported with a range of workshops; you will receive follow-up support while there. Students can choose the area to work in.

For students studying Social Work there are workshops, seminars and lectures led by academic staff, practitioners, service users and researchers. The involvement of practitioners and service users from our partner agencies is an important aspect of the teaching, and provides students with further insights into current issues and practice ideas. You will develop the skills needed to learn in a small peer group context, and to study and learn independently. You will also acquire the skills to be effective practitioners in a range of settings. To this end, you will be supervised while on placement by a practitioner with the knowledge and skills relevant to your practice setting.

For a full description of our modules please visit our website.



*When I visited York it just clicked. The course structure, variety of modules and emphasis on group work all appealed to me. I've enjoyed learning about the legislation and guidelines that will govern our role as social workers. The departmental staff have been very approachable and helpful. Their knowledge base and experience is vast, so I feel in very capable hands."*

**Phil (BA Social Work, 1st Year)**

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## STUDY ABROAD

There are several opportunities for students to gain an international experience organised by the University's Centre for Global Programmes. For information about available exchange programmes, summer schools and travel grants, please see: [york.ac.uk/students/study-abroad/opportunities](http://york.ac.uk/students/study-abroad/opportunities).

## PLACEMENT OPPORTUNITIES

A feature of all programmes taught solely within the Department is that they offer placement opportunities which are a core part of the programme for the Social Policy – Children and Young People, Social Policy – Crime and Criminal Justice and the Social Work degrees. Students reading for the Social Policy or Applied Social Science degree can take a placement as one of their option choices.

In applying academic knowledge to the workplace, placements enhance the employability of our graduates and can lead directly to job opportunities after graduation. Most placements are undertaken within the UK, but some students combine travel with work, and recent students have secured placements in a diverse range of countries including Australia, France, Pakistan, Peru and Uganda.

## ASSESSMENT

For all our degree programmes, academic work is continually assessed through coursework assignments (essays, presentations, portfolios, reports) and by some examinations. The class of degree you obtain is based on results in the second and third years only (though students must meet progression requirements in the first year). This allows you time in the first year to settle into studying at higher education level and to improve your academic skills.

The range of assessment techniques used for continuous assessment enables all students to acquire skills in writing to different briefs. You will acquire an appreciation of how your developing academic skills – identifying, collecting and evaluating evidence in a rigorous and systematic manner – can be applied in settings outside the university context.

For Social Work students, your performance on placements will also be assessed and, though it will not count towards the classification of your degree, you must pass placements in order to pass the degree.

## BURSARIES

Funding information will be available on our website once the arrangements have been finalised.

## GLOBAL PERSPECTIVES

Our degree programmes encourage you to consider the way that decisions made in one part of the world may impact upon national policy and practice in another.

The field of international, comparative and global social science is one of our specialist areas in the Department.

An appreciation of the relationship between national and international agendas, particularly explored in our Social Policy and Applied Social Science degree programmes, will enrich your knowledge of the subject and your understanding of how theory relates to real-world situations.

## ADMISSIONS

The Department welcomes students from a range of backgrounds and aims to be as inclusive as possible in our selection criteria. If you wish to apply to study for a programme in Social Policy or Applied Social Science, we accept a broad range of qualifications including vocational training. We do not expect you to have any particular subject knowledge and each applicant is considered on an individual basis.

For those following less traditional routes to HE such as mature students or others wanting to study after periods of employment and/or caring for family members, we offer a specialist route to study a BA, the Extended Degree in Applied Social Science and Social Policy (see page 184).

Similarly for Social Work applicants, we accept a range of qualifications including A levels, BTEC National Diploma, Accredited Access and NVQ Level 4. For mature applicants, we normally expect that you will have had some recent successful experience of study at Level 3 or equivalent. For information on other qualifications we accept, please contact one of our Admissions Tutors whose contact details are given on page 182.

While there is no formal experience requirement for Social Work, preference will be given to candidates who have some relevant voluntary, paid or everyday experience in a 'helping' role. To be accepted on to the Social Work degree, students are required to undergo a check with the Disclosure and Barring Service (DBS), and to make a satisfactory health declaration. Having either a criminal conviction or a health condition is not an automatic bar to entry but failure to disclose relevant information may result subsequently in termination of training. Admission to the Social Work programme is by an interview. Interviews take place from December to March.

## WHAT OUR GRADUATES DO

All of our students are encouraged to reflect upon their own personal development. This is done through the University's Development Plan Initiative where the student liaises with their personal supervisor to identify existing skills and address any gaps.

Graduates of Social Policy will have specialist knowledge of the policymaking process as well as a range of critical analysis, evaluation and research skills. These degrees will particularly suit those who wish to pursue careers as policy advisers, policy analysts, researchers, campaigners or civil servants. Past graduates have also become local government officers and hospital administrators or chosen to follow postgraduate study options.

Graduates of the Children and Young People pathway have gone on to traineeships in the major children's charities or in youth support services. Others have followed a research career or undertaken further training in primary school teaching, specialist social work or mental health services.

Graduates of the Crime and Criminal Justice pathway will have opportunities to work in services related to the police, probation, prisons, youth justice or the broad range of voluntary organisations involved with offenders and victims. Postgraduate opportunities in Youth Diploma, Social Work and Law Conversion are also available to our graduates.

The Applied Social Science degree also equips students with the skills necessary to pursue careers in public service professions.

For graduates of Social Work the current demand for professionally qualified social workers is strong and employment prospects are good in both the statutory and voluntary sectors. Given the quality of training at York, you will be well placed in terms of future employment opportunities.

Examples of recent graduate employment include:

- Policy and Partnerships Officer
- Adoption Family Support Worker
- Graduate Management Trainee
- Social Care Co-ordinator
- Social Worker

for a wide range of employers, such as:

- Ministry of Justice
- Partnerships in Care
- NHS
- NSPCC
- Salvation Army
- Leeds City Council.

# School of Social and Political Sciences

*The School of SPS offers a distinctive interdisciplinary programme that enables students to personalise their studies from a wide range of modules provided by the three outstanding Departments of Politics, Social Policy and Social Work, and Sociology*

## Programmes

UCAS

**BA Social and Political Sciences**

LL32

**BA Social and Political Sciences with Philosophy**

LL2V

*Courses are three-year programmes unless otherwise stated*

### KEY FACTS

#### Admissions Tutor

Dr Gareth Millington

#### Telephone

+44 (0)1904 323058

#### Website

[york.ac.uk/sps](http://york.ac.uk/sps)

**Email** [ssps@york.ac.uk](mailto:ssps@york.ac.uk)

**2015 Applications** 87

**2015 Admissions** 42

### TYPICAL OFFERS

**A levels** AAB

**IB Diploma Programme**

35 points

**BTEC Extended Diploma**

DDD

### Other qualifications

For details of other acceptable qualifications

go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

### Mature students

Applications from mature students are welcomed and considered individually

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING SOCIAL AND POLITICAL SCIENCES

Tackling issues such as globalisation, poverty, democratic governance, climate change, conflict, migration, peace, protest, development, human rights, the impact of new media, cultural identity and change, this programme invites students to confront the complexities of the contemporary world with all the analytic tools of the social and political sciences. By enabling students to study an integrated combination of Politics, Sociology and Social Policy (with the added option of Philosophy), the BA in Social and Political Sciences offers a rare opportunity to develop the critical understanding and skills which are increasingly being demanded by policymakers, business, academia and the voluntary sector worldwide. It is designed for students who wish to engage seriously with some of the most pressing contemporary social and political challenges facing humanity and have a desire to contribute to their resolution.

In becoming a student on the BA (Hons) in Social and Political Sciences (SPS) you are joining an academic community. This band of fellow students, lecturers,

tutors and administrators will, during your time at York, become an important social network providing you with mutually advantageous pedagogic support and intellectual stimulation. Throughout the course this community will offer you a high trust learning experience where you are free to develop your ideas and their means of expression in a supportive environment.

Such an enormously valuable educational and social network requires a high level of reciprocity on the part of its members if each individual is to benefit from the combined cultural capital provided by all. This is why we jointly contract to provide a high level of commitment to attend lectures and classes, to be well prepared for discussions, and to demonstrate respect for the value of each other's contributions. The SPS ethos is therefore directed towards the successful attainment of both a fulfilling individual and collaborative learning experience.

The first cohort of students on the programme launched the Social and Political Sciences Society to promote the intellectual and social life of the School. The SPS Society organises social events, careers talks and guest speakers.

## SOCIAL AND POLITICAL SCIENCES AT YORK

The School of SPS is a collaboration between the Departments of Politics, Social Policy and Social Work, and Sociology. The School exists to co-ordinate the BA (Hons) in Social and Political Sciences, and bring together academics in related fields of research across the three departments. Interdisciplinary research in the School focuses on areas such as:

- Culture and Identity
- Environmental Policy
- Science and Technology Studies
- Social Media and Communication
- Political and Social Theory
- Women's Studies.

### OUR PROGRAMME

At York we offer a three-year programme leading to the award of BA (Hons) in Social and Political Sciences or Social and Political Sciences with Philosophy.

The defining characteristic of the programme is its interdisciplinary nature. After a strong grounding in the three disciplines, students take more specialised modules in the second and third year. Students are offered a wide range of modules across all three departments with which to construct a personal portfolio that matches their interests and career aspirations. Some students will choose to concentrate on a closely related set of modules, for instance on identities and inequalities, or environmental policy and sustainability, while others may choose to be eclectic in their selection.

### WHAT YOU STUDY

#### BA Social and Political Sciences

The first year programme is aimed at providing you with a strong foundation in the study of Sociology, Politics and Social Policy. You take a year-long introductory module in each of the three departments:

- Politics, Power and Society
- Introduction to Sociological Theory OR Cultivating a Sociological Imagination
- Introducing Social Policy.

You then choose a fourth module from one of the departments. The list of first year option modules offered in the three departments will typically include:

- Cultivating a Sociological Imagination OR Introduction to Sociological Theory
- Introduction to Political Theory

- Introduction to Democratic Politics
- Introduction to International Politics
- Introducing Social Psychology.

#### The second year

The second year curriculum is based on an interdisciplinary core and the flexibility to choose option modules from across the three departments. SPS students take Social Research Methods and choose from three options from the host departments. You can also take an approved module from another department or interdisciplinary centre. See [york.ac.uk/sps](http://york.ac.uk/sps) for further details.

The core module provides an understanding of the key methods of social scientific enquiry and their relationship to research practices. Social Research Methods provides you with an understanding of the philosophical and theoretical underpinnings of social and political research, while allowing you to gain hands-on experience of both qualitative and quantitative methods.

#### The third year

The final year is based on a dissertation which allows you to engage in independent research in the social and political sciences, and a choice of four option modules.

The broad range of option modules available allows you to specialise in more academic or applied social sciences modules, or combine them in packages focused around



*'I'm interested in policies, international relations, sociology and politics, and SPS at York offers all these. Staff ensure students get the most out of themselves. Seminars combine the study of political history with current affairs and are a great way of considering different opinions, which is what politics is all about. Simulating real-world proceedings in the Model United Nations Society has been a valuable way of understanding real political interactions.'*

Cat (BA Social and Political Sciences, 2nd year)

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themes of interest to more than one discipline, for example social media and contemporary culture; health; poverty and welfare; human rights and development; and identities, diversity and equality.

## BA Social and Political Sciences with Philosophy

Students who are interested in having further choice can opt for our Social and Political Sciences with Philosophy degree and choose from a range of Philosophy modules in each of the three years of study. The course offers the same level of flexibility as Social and Political Sciences.

### TEACHING AND LEARNING

Coursework is normally centred on lectures plus seminars and/or workshop activities allowing you to extend and deepen your understanding in smaller group settings. In these meetings you will present and discuss your own work, under the guidance of a course tutor.

### STUDY ABROAD

There are opportunities to apply to study abroad for up to a year through the University's exchange programme at universities in North America, Asia, South Africa and Australia, or to take part in an Erasmus+ exchange programme with universities in Europe. The three departments currently have Erasmus+ links with Norway, Denmark, Finland, the Netherlands and Germany, and other links may be added to these. Both study abroad schemes allow the transfer of course credits to York, which means that participants graduate no later than those admitted in the same year at York.

### ASSESSMENT

Assessment of course modules throughout the programme will be a mixture of essays, examinations and online exercises designed to meet the appropriate learning objectives. The first year provides an assessment of the skills and understanding necessary to successfully complete the degree. During your second and final years, assessment continues to provide you with the essential and timely feedback on your performances required for intellectual development.

### ADMISSIONS

The decision to make an offer is usually reliant on the UCAS form alone. If you are offered a place you will be invited to visit the School of SPS during the Spring Term in order to meet with members of staff and students from the three departments. It is not necessary for prospective students to have studied social sciences prior to commencing the programme and we will consider a wide

range of subjects as appropriate for the programme.

The School of Social and Political Sciences is committed to widening access and our selection process takes account of a range of educational, social, health and other personal disadvantages. We are also interested in encouraging applications from mature students and students from overseas who through their range of experiences we believe make a valuable contribution to the learning and social aspects of the School and are accordingly most welcome.

### WHAT OUR GRADUATES DO

Students who take the programme in Social and Political Sciences become part of a group of departments and a university that have international reputations for excellence in teaching and research. The approach taken to the teaching and learning in the social and political sciences at York means that graduates are well equipped to pursue careers in a wide variety of graduate jobs in the public, voluntary and private sectors. The student experience at York is rich in transferable skills that will be of value when you leave. The intellectual and problem-solving skills associated with research and the analysis of complex ideas, arguments and theories, the capacity to present clear and succinct reports, plus such practical skills as time management, study discipline and group work, provide a firm foundation on which to base career development.

Our graduates go on to careers in finance, management and public administration, as well as careers in applied social research in both the public and private sectors. The degree provides a strong foundation for postgraduate study and research in a wide variety of specialist areas of the social and political sciences. Students are also likely to take conversion courses for law and teaching and many will go on to work for international organisations.

Examples of recent graduate employment include:

- Communications Co-ordinator
- Policy and Strategy Adviser
- Campaigns Assistant
- Broker
- Programme Manager
- Analyst

for a wide range of employers, such as:

- Civil Service
- The Allegra Foundation
- International Service
- Macmillan Cancer Support
- Teach First.

# Sociology

Sociology at York is innovative, critical and relevant. Our programmes are designed to give you a grounding in Sociology while involving you in the cutting-edge developments in the discipline

## Programmes

## UCAS

<b>BA Sociology</b>	L300
<b>BA Criminology</b>	L611
<b>BA Sociology with Criminology</b>	L390
<b>BA Sociology with Social Psychology</b>	L392
<b>BA Sociology/Education (Equal)</b>	LX33
<b>BA Philosophy/Sociology (Equal)</b>	VL53
Programmes in the School of Social and Political Sciences – see page 187	
<b>BA Social and Political Sciences</b>	LL32
<b>BA Social and Political Sciences with Philosophy</b>	LL2V

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutor

Dr Gareth Millington

#### Telephone

+44 (0)1904 323058

#### Website

[york.ac.uk/sociology](http://york.ac.uk/sociology)

**Email** [sociology-admissions@york.ac.uk](mailto:sociology-admissions@york.ac.uk)

[york.ac.uk](http://york.ac.uk)

**2015 Applications** 638

**2015 Admissions** 128

### TYPICAL OFFERS

#### A levels

AAB for L611, LL32, VL53, LL2V  
ABB for L300, L390, L392, LX33

#### IB Diploma programme

35/34 points

#### BTEC Extended Diploma

DDM/DDD

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING SOCIOLOGY

Have you ever wondered how globalisation is changing social life today? Or why popular culture is increasingly dominated by 'reality' TV and media coverage of 'celebrities'? Have you questioned how digital media – iPods, mobile phones, Facebook and the rest of the internet – shape our social lives and sense of self? Have you thought about how language affects our social relations with others? Have you found yourself in debates about the social causes of crime, or the importance of gender in structuring our everyday lives? Are you interested in the changing nature of modern cities, or in what your postcode says about you? Are you concerned about the powers of science and technology today, or about the future of the environment? If these issues interest you then Sociology is the subject for

you. In Sociology you will find a discipline that has been characterised by extraordinary creativity, innovation and enterprise in attempting to create an understanding of the complexity of the world around us.

## SOCIOLOGY AT YORK

The Department of Sociology is first in the UK for research quality (2014 Research Excellence Framework) and has been an internationally renowned department since its foundation in the early 1960s. At York you will be taught by leading academics whose research feeds directly into our courses.

We offer stimulating degree courses designed to bring out the best in our students. We achieve consistently high student satisfaction ratings: in the latest National Student Survey, 91 per cent of final year Sociology students were

satisfied with their course, and 94 per cent said their course was enhanced by the quality of teaching.

## OUR PROGRAMMES

We offer the chance to study Sociology as a single subject, or in combination with Criminology, Social Psychology, Education or Philosophy. Whichever path you choose, you will gain a solid grounding in the sociology of social media, popular culture, science and technology, alongside the traditional areas of class, gender, sexuality, race and ethnicity. You can also study Criminology as a single subject.

Our combined degrees, BA Sociology with Criminology and BA Sociology with Social Psychology, are two thirds Sociology and one third your chosen specialism. BA Sociology/Education and BA Philosophy/Sociology are joint honours programmes and are structured as a 50/50 split.

We are also involved in the delivery of a stimulating and flexible programme in Social and Political Sciences, in collaboration with the Department of Politics and the Department of Social Policy and Social Work. For more information, see page 187.

## WHAT YOU STUDY

### BA Sociology

Studying Sociology at York will enable you to understand the complex mix of continuity and change that marks the experience of people living in contemporary societies. Exploring the structures, actions and beliefs within society will enable you to answer questions around issues such as inequality, rights, freedom and identity. By choosing to study Sociology at York you will discover a discipline that is cutting-edge and characterised by extraordinary innovation and critical insight. You will be contributing to a department that is leading the way in creating the sociological thought of the future.

You will address the historical roots of contemporary social issues as diverse as social media, racism, interaction, identity, health and inequality.

#### Year 1

Across four core compulsory modules you are introduced to key sociology theories – both old and new – as well as crucial sociological issues such as identity, inequality, gender and sexuality. You will also explore the sociology of crime and deviance, and social psychology:

- Introduction to Sociological Theory
- Cultivating a Sociological Imagination
- Sociology of Crime and Deviance
- Introducing Social Psychology.

You gain the tools needed to develop your own sociological imagination, as well as the critical skills needed for university-level study, such as essay writing, presentation skills, literature searching, reviewing and critical thinking.

#### Year 2

You study one core module, Social Research Methods, and choose three others, allowing you to tailor your course to your own interests and passions. Module options include:

- Contemporary Political Sociology
- Gender, Sexuality and Inequalities
- Sociology of Health and Illness
- Popular Culture, Media and Society
- Divisions and Inequality: Race and Ethnicity, Class and Religion.

#### Year 3

You pursue your own specialist interests through your Sociology dissertation, which allows you to develop your own research project. You also select four advanced modules from a wide range that may include:

- Body, Identity and Society
- Cinema, Cities and Crime
- Art, Tastes and Stratification
- Humans and Other Animals
- Emotions in the Social World
- Birth, Marriage and Death
- Migration and Tourism
- Morbidity, Culture and Corpses
- The Racial State.

### BA Criminology

This programme, delivered in collaboration with the Department of Social Policy and Social Work, examines some of the most pressing criminological issues facing individuals, communities and policymakers globally. Studying Criminology will allow you to develop expertise in understanding criminal behaviour, the impacts of crime on victims, how crime is governed in contemporary societies and the social and cultural meanings of crime.

You will explore the theoretical links between crime and capitalism; the influence of class, race, ethnicity, gender and sexuality in criminal justice; how crime is reported and represented in the media; and how the urban environment shapes criminality and is used to control deviant behaviour. You will also develop the problem-solving skills needed to become an independent thinker capable of developing your own criminological research topic.

You can tailor the course to suit your own interest and look forward to career prospects in criminal justice, social welfare and government agencies.

### Year 1

You are introduced to the core aspects of the sociology of crime, criminal justice policy and the foundations of sociological thought that have shaped the development of Criminology. You take four core modules:

- Introducing Social Policy
- Introduction to Sociological Theory
- Sociology of Crime and Deviance
- Understanding Criminal Justice.

### Year 2

You learn how social and cultural change is reflected in governmental responses to crime and disorder, contribute to contemporary debates concerning the criminal justice system, develop social research skills and choose an area of interest from a range of options:

- Contemporary Political Sociology
- Victimisation and Social Harm
- Gender, Sexuality and Diversity
- Divisions and Inequalities: Race and Ethnicity, Class and Religion
- Citizenship, Difference and Inequality
- The Policy Process
- Popular Culture, Media and Society.

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 *The course appealed to me because of the range of different topics covered and the excellent reputation of the Department. The staff are never too busy to help and are all experts in their fields. It's been great tailoring my choices to what really interests me, with the variety of different modules increasing in second and third years as you become more specialised."*

**Nick (BA Sociology with Criminology, 3rd year)**

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### Year 3

You pursue your specialist interests through your dissertation. This is an important part of your course and allows you to develop your own research topic. You also select four advanced modules from a range that could include:

- Philosophy of the Criminal Law
- US Power and International Security
- Global Justice
- Theoretical Criminology
- War, Humanitarianism and Law
- Criminal Justice and Policing
- Vulnerability, Deviance and Social Control
- Child Abuse and Social Policy
- Illicit Drug Use
- Crime, Gender and Sexuality.

### BA Sociology with Criminology

This programme offers the scope of a Sociology degree plus the exciting opportunity to improve expertise in Criminology. You study all the core Sociology modules and a core Criminology module in the second and third years. You also choose from the full range of Sociology modules in the second and third years.

Year 1: the same as BA Sociology

Year 2: Social Research Methods, Crime, Culture and Social Change, plus two optional modules

Year 3: Dissertation, Theoretical Criminology, plus three optional modules.

### BA Sociology with Social Psychology

This programme offers a distinctive approach to the study of human relationships, both in ordinary relations between family and friends and in institutional settings. You will explore social and critical approaches to social interaction, language and identity. You will study attitudes, prejudice, emotions, mental illness, body language and persuasion, develop an understanding of how these are used by people and organisations, and have hands-on experience of working with social psychological data. Please note the course does not focus on cognitive science or laboratory work and is therefore not accredited for BPS recognition.

Year 1: the same as BA Sociology

Year 2: Social Research Methods, Critical Perspectives on Social Psychology, plus two optional modules

Year 3: Dissertation, Contemporary Research in Social Psychology, plus three optional modules.

## BA Sociology/Education (Equal)

In your first year, study four core modules: Cultivating a Sociological Imagination, Introduction to Sociological Theory, Introduction to Disciplines of Education, and Introduction to Key Concepts of Education. In the second year, study Social Research Methods and Education, Policy and Society: Past and Present, plus two option modules. In your final year, write a dissertation on the sociology of education and choose four option modules (see Department web pages for details). For further information see the Education entry on page 100.

## BA Philosophy/Sociology (Equal)

The first year modules are Cultivating a Sociological Imagination, Introduction to Sociological Theory, and core modules in Philosophy. For details of second and third year module choices and the optional Sociology dissertation, see Department web pages. See also the Philosophy entry on page 161.

## TEACHING AND LEARNING

Teaching takes place through a combination of lectures and small group workshops, as appropriate to the module being taught. The emphasis moves towards student participation and involvement as the degree proceeds through the three years.

## STUDY ABROAD

There are opportunities to apply to study in Europe through our Erasmus+ programme which currently links with the Universities of Bergen (Norway), Helsinki (Finland), Konstanz (Germany), Lund (Sweden), Maastricht (the Netherlands) and Trento (Italy). You can also apply for a place on the University's exchange schemes with worldwide university partners in North America, South Africa, Asia and Australia.

## ASSESSMENT

Students are assessed by a variety of methods including essays, exams and portfolio work. Depending on the options selected, the balance between these forms of assessment will vary.

## ADMISSIONS

Offers are often made on the basis of three A level passes, currently AAB/ABB, or equivalent qualifications. If you receive the offer of a place you will be given an opportunity to visit the University and meet students as well as staff in the Department.

It is not necessary for Sociology students to have studied the subject before coming to the University. A level General Studies is accepted as equivalent to other subjects.

Applications from mature students are particularly welcome. It is one of the aims of admissions policy in the Department to try to ensure that a significant number of mature students are admitted each year, possibly without the usual formal academic qualifications. Such candidates need feel no inhibitions about applying and can be assured that their application will be considered sympathetically. Mature applicants are sometimes invited to an interview.

The Department of Sociology welcomes overseas students. While the needs of students from abroad with regard to supervision and academic advice are recognised within the Department, students are fully integrated into the modules and degrees taken by other students. Overseas students who wish to visit the Department for one year, or even a term, rather than taking an entire degree, enjoy access to the full range of modules available and benefit from personal supervision. In recent years students from Europe, Asia and the Americas have visited the Department.

## WHAT OUR GRADUATES DO

The approach taken to teaching and learning at York means graduates of the Department are well equipped to pursue careers in a very wide range of employment fields. Sociology at York is rich in transferable skills that will be of value when you leave. Intellectual skills associated with research and the analysis of complex ideas, arguments and theories, the capacity to present succinct reports, plus practical skills such as time management and group work, are a firm foundation on which to base career development. Graduates of Sociology at York succeed in a wide range of careers, including private sector management, public sector administration, finance and creative/media roles.

Examples of recent graduate employment include:

- Parliamentary Intern
- Lecturer
- Research Executive
- Junior Project Manager
- Business Analyst
- Journalist

for a wide range of employers, such as:

- JP Morgan
- House of Commons
- Neuro Partners
- Metropolitan Police Service
- Cancer Research UK
- BBC.

# Theatre, Film and Television

Our superb £30m building provides extraordinary facilities for exploring the worlds of theatre, film, television and interactive media. Our students have an unrivalled opportunity to use world-class facilities, to enjoy masterclasses from people at the top of their profession, and to learn from renowned academics and industry leaders

## Programmes

UCAS

<b>BA Theatre: Writing, Directing and Performance</b>	W440
<b>BSc Film and Television Production</b>	W600
<b>BSc Interactive Media</b>	WG24

Courses are three-year programmes unless otherwise stated

### KEY FACTS

#### Admissions Tutors

Theatre: Writing, Directing and Performance:  
Dr Ollie Jones  
Film and Television  
Production: Ed Braman  
Interactive Media:  
Dr Jonathan Hook

#### Telephone

+44 (0)1904 325220

#### Website

[york.ac.uk/tftv](http://york.ac.uk/tftv)

#### Email

[tftv-enquiries@york.ac.uk](mailto:tftv-enquiries@york.ac.uk)

**2015 Applications** 927

**2015 Admissions** 154

### TYPICAL OFFERS

**A levels** AAB

#### IB Diploma Programme

35 points

#### BTEC Extended Diploma

DDD

#### Other qualifications

For details of other acceptable qualifications go to [york.ac.uk/study/undergraduate/applying/entry](http://york.ac.uk/study/undergraduate/applying/entry)

#### Mature students

Applications from mature students are welcomed and considered individually

### ESSENTIAL SUBJECTS

Excluding General Studies and Critical Thinking

### ENGLISH LANGUAGE REQUIREMENT

IELTS 6.5 with at least 5.5 in all units

## STUDYING THEATRE, INTERACTIVE MEDIA, FILM AND TELEVISION

In the modern world, theatre, with its long history, interacts with the worlds of film and television. Together with the newer forms of interactive media, and especially computer games, they constantly take creativity and technological discovery to new levels. These approaches to storytelling, representation and entertainment are vital aspects of contemporary culture. If we are fully to understand our world, we need to understand these media and performing arts. And if we are to do that, we need to know something of their historical development and how they work as cultural practices, and we need to explore their possibilities as creative forms.

## THEATRE, INTERACTIVE MEDIA, FILM AND TELEVISION AT YORK

Central to all of our programmes is the combination of theory and practice: we strive for the highest academic standards, but we also attend constantly to the practical work of creating plays, films and television programmes, computer games and other forms of interactive media. All of this takes place within our magnificent £30m building, a home like no other, with its state-of-the-art theatres, television studios, shooting stages, postproduction facilities and rehearsal rooms. Our teaching staff include historians and critics of theatre, film, television and interactive media; people from a science and technology background who teach about sound, image, programming and systems development;

and theatre practitioners, film makers, programme makers, writers and games developers. The ethos of the Department is collaborative at every level, making it a very exciting and innovative place in which to study.

In the 2014 Research Excellence Framework assessment, the Department was ranked in the top 15 for the proportion of its research designated as 'world-leading' or 'internationally excellent'.

## OUR PROGRAMMES

### BA Theatre: Writing, Directing and Performance

This theatre-based programme focuses on the roles of writer, director and performer. It combines historical and textual exploration with practical experiment and technical instruction, enabling our students to explore key aspects of playwriting, theatre production and acting in our specially designed teaching and performance spaces, which provide some of the best theatre facilities in the country. We also explore the ways in which theatre draws on and influences film and television. We pair close engagement with contemporary practice with an emphasis on the need to understand longer histories and past achievements that underpin what we do now. The programme also involves leading theatre professionals in its work, through a series of regular masterclasses. Recent visitors include the director Max Stafford-Clark, actor Penelope Wilton and playwrights Simon Stephens and Laura Wade. Our students work towards staging a series of major theatre productions in their final year.

### BSc Film and Television Production

The landscape of film and television is evolving rapidly. New technologies are changing the ways in which we watch films and television programmes as well as how they are produced. But technology only serves as a means to an end. The skills, vision and creativity of people drive the industry forward. We have designed this BSc to ensure that you will have a well-rounded understanding of all facets of these media. Production techniques are taught intensively but always hand in hand with theoretical and historical aspects of film and television and an understanding of the underlying technologies.

Year 1 focuses on the fundamentals of each of these areas. In Year 2, the emphasis is on production, with each student making a short film and a studio television production, with further historical and analytical work as well as options on screenwriting, documentary and technological issues. Year 3 provides specialist production experience, an understanding of the contemporary business and a final project in which you are able to

pursue your own interests. Drawing on the academic and professional expertise of our staff, our extensive contacts in industry and our industry-standard facilities, this programme will ensure that you are well prepared for a career in this dynamic industry.

### BSc Interactive Media

The field of interactive media covers not only computer games but also mobile phones, interactive television, the World Wide Web and art installations. Production teams are made up of software engineers, fine artists, designers and project managers, and a broader range of skills is also required for the production of assets: the graphics, music, characters and sounds that feed into the interactive experience. This innovative new BSc programme will equip students to succeed in this dynamic and constantly developing environment. It makes the most of our superb facilities and our strong links with industry.

In the first year, students explore the fundamentals of software programming and the production of audio and visual assets for interactive media systems. They also explore the social and cultural impact of interactive media technologies and the nature of interactive storytelling. In the second and third years, students learn how interactive media are formed from the coming together of traditional media production methods with interactive technologies. They also have the opportunity to specialise in the different disciplines related to interactive media production, including computer graphics and sound design, motion capture and animation, and games design and production.



*This was the most innovative and exciting course I considered.*

*I really enjoy the media technology – we experiment with graphics and video and this allows me to express my creative side. I've found coding in Processing really interesting too. The Department is so friendly and supportive – we're like a family. I'm excited about where this course will lead."*

**Beth (BSc interactive Media, 1st year)**

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## TEACHING AND LEARNING

Our programmes employ a rich array of teaching methods, including lectures, seminars, tutorials, workshops, laboratory sessions, production projects, dramaturgical and technical exercises, and masterclasses given by visitors from industry. Throughout the programmes, practical experiment, production activity and training run alongside analytical and historical work.

## ASSESSMENT

Assessment methods range widely, and cover practical work and production activities as well as theoretical, historical and analytical work. Assessment tasks include various kinds of academic writing (essays, reports, research projects); laboratory exercises and tests of technique (on the BSc programmes); practical exercises, both individual and collaborative, including writing, directing, producing and, on the BA, performing; and larger-scale collaborative production projects.

## FACILITIES

In 2010, the Department moved into magnificent, custom-built premises on the University's new campus extension. The fully equipped industry-standard building includes two theatres, two rehearsal rooms, dressing rooms, workshops, and all the associated theatre production facilities. For film and television production, the building houses two professional-standard television studios (one five-camera, one three-camera), a shooting stage for green-screen and general film work, a cluster of audio and edit suites, two postproduction laboratories running industry-standard software, and a 140-seat digital cinema. Many of these facilities are also used by interactive media students, who also have a dedicated high-specification computer laboratory.

## ADMISSIONS

For all our programmes, selection is on the basis of information provided on the UCAS form and may also involve invitation to interview and/or submission of sample creative or analytical work. General Studies and Critical Thinking are normally excluded from typical offers.

### **Theatre: Writing, Directing and Performance**

The ideal students for this programme combine intellectual ambition with an eagerness to gain experience of creative practice in theatre. We look for a combination of strong analytical ability and a capacity to work co-operatively, ambitiously and productively with others, plus experience in a related field of activity, such as amateur theatre or film making. We do not require that you have previously studied theatre.

### **Film and Television Production**

Applicants should be eager to develop their creative, technical and analytical skills while engaging with media theory, history and business structures. We do not ask that you have already studied film or television, although this can be helpful. We do look for a passionate commitment to those media and evidence of developing production interests and expertise.

### **Interactive Media**

The ideal students for this multidisciplinary programme will be driven by a desire to combine artistic and technical skills to create content for interactive digital systems. They should also be keen to learn about the socio-cultural impact of interactive entertainment technologies. Given the technical demands of the programme, we do sometimes make offers to excellent students studying a variety of subjects who can demonstrate a strong interest in scientific and technical topics.

## WHAT OUR GRADUATES DO

Our programmes are highly specialised but also aim to produce flexible and responsive graduates who are attractive to a range of employers.

### **Theatre: Writing, Directing and Performance**

Some of our graduates work as writers, directors or performers; others go into arts journalism, teaching, drama therapy, literary management, publishing, stage management, theatre/film/television production, academic research and arts administration. Employers include: Ambassador Theatre Group, the BBC, ITV, the Bush and Orange Tree Theatres in London and Slung Low Theatre Company in Leeds.

### **Film and Television Production**

Film and TV graduates are in a position to enter industry in a variety of capacities. Technically skilled, familiar with group-working and rigorous in their thinking, they have gone on to The National Film and Television School, varied production positions at the BBC, editing, sound and VFX roles in leading Soho facilities and junior managerial positions at Walt Disney. Meanwhile, graduate films regularly win festival awards.

### **Interactive Media**

Graduates of the Interactive Media programme will have the skills to pursue a career in the creative economy, in industries including game design, web development, digital marketing, e-health and the internet. As this is a new course, our first students will not graduate until 2017.

# Programmes index

This index lists the undergraduate programmes we offer, the qualifications they lead to, and the sections of the prospectus which you need to turn to for more information. All of our degree programmes lead to Honours degrees, and are three years unless otherwise stated. When subjects are combined they may be main/subsidiary or equal combinations; equal combinations are clearly indicated.

PROGRAMME TITLE	QUALIFICATION	SUBJECT SECTION[S]	PAGE[S]
<b>A</b>			
<b>Accounting, Business Finance and Management</b>	BSc	Management School	134
<b>Accounting, Business Finance and Management with a year in industry (4 year)</b>	BSc	Management School	134
<b>Actuarial Science</b>	BSc	Management School; Mathematics	134, 138
<b>Actuarial Science with a year in industry (4 year)</b>	BSc	Management School; Mathematics	134, 138
Applied Midwifery Practice see Health and Social Care Practice – Applied Midwifery Practice			
<b>Applied Social Science</b>	BA	Social Policy and Social Work	182
<b>Applied Social Science and Social Policy (Extended Degree) (4 year)</b>	BA	Social Policy and Social Work	182
<b>Archaeology</b>	BA/BSc	Archaeology	66
<b>Archaeology and Heritage</b>	BA	Archaeology	66
<i>for Archaeology programmes, see also Natural Sciences: Archaeology/Biology/Chemistry/Environment</i>			
Art History see History of Art			
Artificial Intelligence see Computer Science with Artificial Intelligence			
Astrophysics see Physics with Astrophysics			
<b>B</b>			
<b>Bioarchaeology</b>	BSc	Archaeology	66
<b>Biochemistry</b>	BSc	Biochemistry	70
<b>Biochemistry with a year in Europe/in industry (4 year)</b>	BSc	Biochemistry	70
<b>Biochemistry (4 year)</b>	MBiochem	Biochemistry	70
<b>Biochemistry with a year in Europe/in industry (5 year)</b>	MBiochem	Biochemistry	70
Biological and Medicinal Chemistry see Chemistry, Biological and Medicinal Chemistry			
Biological Modelling see Natural Sciences: Biological Modelling			
<b>Biology</b>	BSc	Biology	73
<b>Biology with a year in Europe/in industry (4 year)</b>	BSc	Biology	73
<b>Biology (4 year)</b>	MBiol	Biology	73
<b>Biology with a year in Europe/in industry (5 year)</b>	MBiol	Biology	73
<i>for Biology programmes, see also Natural Sciences</i>			
<b>Biomedical Sciences</b>	BSc	Biomedical Sciences	79
<b>Biomedical Sciences with a year in Europe/in industry (4 year)</b>	BSc	Biomedical Sciences	79
<b>Biomedical Sciences (4 year)</b>	MBiomedSci	Biomedical Sciences	79
<b>Biomedical Sciences with a year in Europe/in industry (5 year)</b>	MBiomedSci	Biomedical Sciences	79
Biophysical Science see Natural Sciences: Biophysical Science			
<b>Biotechnology and Microbiology</b>	BSc	Biology	73
<b>Biotechnology and Microbiology with a year in Europe/in industry (4 year)</b>	BSc	Biology	73
<b>Biotechnology and Microbiology (4 year)</b>	MBiol	Biology	73
<b>Biotechnology and Microbiology with a year in Europe/in industry (5 year)</b>	MBiol	Biology	73
<b>Business and Management</b>	BA/BSc	Management School	134
<b>Business and Management with a year in industry (4 year)</b>	BA/BSc	Management School	134
Business Finance see Accounting, Business Finance and Management			
Business Management see Electronic Engineering with Business Management			
<b>C</b>			
Certificate of Higher Education see Health and Social Care Certificate of Higher Education			
<b>Chemistry</b>	BSc	Chemistry	82
<b>Chemistry with a year abroad/in industry/in York (4 year)</b>	MChem	Chemistry	82

PROGRAMME TITLE	QUALIFICATION	SUBJECT SECTION[S]	PAGE[S]
<b>Chemistry, Biological and Medicinal Chemistry</b>	BSc	Chemistry	82
<b>Chemistry, Biological and Medicinal Chemistry with a year abroad/ in industry/in York (4 year)</b>	MChem	Chemistry	82
<b>Chemistry, Management and Industry</b>	BSc	Chemistry	82
<b>Chemistry, Management and Industry with a year abroad/in industry/ in York (4 year)</b>	MChem	Chemistry	82
<b>Chemistry, Resources and the Environment</b>	BSc	Chemistry	82
<b>Chemistry, Resources and the Environment with a year abroad/in industry/ in York (4 year)</b>	MChem	Chemistry	82
<i>for Chemistry programmes, see also Natural Sciences</i>			
Child and Adolescent Mental Health see Health and Social Care Practice – Child and Adolescent Mental Health			
Children and Young People see Social Policy – Children and Young People			
Communication Engineering see Electronic and Communication Engineering			
<b>Computer Science</b>	BEng/BSc	Computer Science	88
<b>Computer Science with a year in industry (4 year)</b>	BEng/BSc	Computer Science	88
<b>Computer Science (4 year)</b>	MEng	Computer Science	88
<b>Computer Science with a year in industry (5 year)</b>	MEng	Computer Science	88
<b>Computer Science/Mathematics (Equal)</b>	BSc	Computer Science; Mathematics	88, 138
<b>Computer Science/Mathematics (Equal) with a year in industry (4 year)</b>	BSc	Computer Science; Mathematics	88, 138
<b>Computer Science with Artificial Intelligence (4 year)</b>	MEng	Computer Science	88
<b>Computer Science with Artificial Intelligence with a year in industry (5 year)</b>	MEng	Computer Science	88
<b>Computer Science with Embedded Systems Engineering</b>	BEng	Computer Science	88
<b>Computer Science with Embedded Systems Engineering with a year in industry (4 year)</b>	BEng	Computer Science	88
<b>Computer Science with Embedded Systems Engineering (4 year)</b>	MEng	Computer Science	88
<b>Computer Science with Embedded Systems Engineering with a year in industry (5 year)</b>	MEng	Computer Science	88
Crime and Criminal Justice see Social Policy – Crime and Criminal Justice			
<b>Criminology</b>	BA	Social Policy and Social Work; Sociology	182, 190
<b>Curating and History of Art</b>	BA	History of Art	121
<b>D</b>			
Directing and Performance see Theatre: Writing, Directing and Performance			
<b>E</b>			
<b>Ecology</b>	BSc	Biology	73
<b>Ecology with a year in Europe/in industry (4 year)</b>	BSc	Biology	73
<b>Ecology (4 year)</b>	MBiol	Biology	73
<b>Ecology with a year in Europe/in industry (5 year)</b>	MBiol	Biology	73
<i>for Ecology programmes, see also Environment, Economics and Ecology</i>			
<b>Economics</b>	BSc	Economics and Related Studies	93
<b>Economics and Econometrics</b>	BSc	Economics and Related Studies	93
<b>Economics and Finance</b>	BSc	Economics and Related Studies	93
<b>Economics, Econometrics and Finance</b>	BSc	Economics and Related Studies	93
<b>Economics/Mathematics (Equal)</b>	BSc	Economics and Related Studies; Mathematics	93, 138
<b>Economics/Philosophy (Equal)</b>	BA	Economics and Related Studies; Philosophy; School of PEP	93, 161, 176
<b>Economics/Politics (Equal)</b>	BA	Economics and Related Studies; Politics; School of PEP	93, 172, 176
<i>for Economics programmes, see also Environment, Economics and Ecology</i>			
<b>Education</b>	BA	Education	100
<b>Electronic and Communication Engineering</b>	BEng	Electronics	103
<b>Electronic and Communication Engineering with a year in industry (4 year)</b>	BEng	Electronics	103
<b>Electronic and Communication Engineering (4 year)</b>	MEng	Electronics	103
<b>Electronic and Communication Engineering with a year in industry (5 year)</b>	MEng	Electronics	103
<b>Electronic and Computer Engineering</b>	BEng	Electronics	103
<b>Electronic and Computer Engineering with a year in industry (4 year)</b>	BEng	Electronics	103
<b>Electronic and Computer Engineering (4 year)</b>	MEng	Electronics	103
<b>Electronic and Computer Engineering with a year in industry (5 year)</b>	MEng	Electronics	103

PROGRAMME TITLE	QUALIFICATION	SUBJECT SECTION[S]	PAGE[S]
<b>Electronic Engineering</b>	BEng	Electronics	103
<b>Electronic Engineering with a year in industry (4 year)</b>	BEng	Electronics	103
<b>Electronic Engineering with Foundation Year (4 year)</b>	BEng	Electronics	103
<b>Electronic Engineering (4 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with a year in industry (5 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with Business Management</b>	BEng	Electronics	103
<b>Electronic Engineering with Business Management with a year in industry (4 year)</b>	BEng	Electronics	103
<b>Electronic Engineering with Business Management (4 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with Business Management with a year in industry (5 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with Music Technology Systems</b>	BEng	Electronics	103
<b>Electronic Engineering with Music Technology Systems with a year in industry (4 year)</b>	BEng	Electronics	103
<b>Electronic Engineering with Music Technology Systems (4 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with Music Technology Systems with a year in industry (5 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with Nanotechnology</b>	BEng	Electronics	103
<b>Electronic Engineering with Nanotechnology with a year in industry (4 year)</b>	BEng	Electronics	103
<b>Electronic Engineering with Nanotechnology (4 year)</b>	MEng	Electronics	103
<b>Electronic Engineering with Nanotechnology with a year in industry (5 year)</b>	MEng	Electronics	103
<b>English</b>	BA	English and Related Literature	108
<b>English/History (Equal)</b>	BA	English and Related Literature; History	108, 116
<b>English/History of Art (Equal)</b>	BA	English and Related Literature; History of Art	108, 121
<b>English in Education</b>	BA	Education	100
<b>English Language and Linguistics</b>	BA	Language and Linguistic Science	126
<b>English/Linguistics (Equal)</b>	BA	English and Related Literature; Language and Linguistic Science	108, 126
<b>English/Philosophy (Equal)</b>	BA	English and Related Literature; Philosophy	108, 161
<b>English/Politics (Equal)</b>	BA	English and Related Literature; Politics	108, 172
<b>Environment, Economics and Ecology</b>	BSc	Environment	112
<b>Environment, Economics and Ecology with a year in industry (4 year)</b>	BSc	Environment	112
<b>Environment, Economics and Ecology (Extended Degree) (4 year)</b>	BSc	Environment	112
<b>Environment, Economics and Ecology (4 year)</b>	MEnv	Environment	112
<b>Environment, Economics and Ecology with a year in industry (5 year)</b>	MEnv	Environment	112
<i>for Environment programmes, see also Chemistry, Resources and the Environment; Natural Sciences: Archaeology/Biology/Chemistry/Environment</i>			
<b>Environmental Geography</b>	BSc	Environment	112
<b>Environmental Geography with a year in industry (4 year)</b>	BSc	Environment	112
<b>Environmental Geography (Extended Degree) (4 year)</b>	BSc	Environment	112
<b>Environmental Geography (4 year)</b>	MEnv	Environment	112
<b>Environmental Geography with a year in industry (5 year)</b>	MEnv	Environment	112
<b>Environmental Science</b>	BSc	Environment	112
<b>Environmental Science with a year in industry (4 year)</b>	BSc	Environment	112
<b>Environmental Science (Extended Degree) (4 year)</b>	BSc	Environment	112
<b>Environmental Science (4 year)</b>	MEnv	Environment	112
<b>Environmental Science with a year in industry (5 year)</b>	MEnv	Environment	112
<b>F</b>			
<b>Film and Television Production</b>	BSc	Theatre, Film and Television	194
<i>Finance see Accounting, Business Finance and Management; Economics and Finance; Economics, Econometrics and Finance; Mathematics/Finance</i>			
<i>Foundation Degree in Health and Social Care see Health and Social Care Foundation Degree: Associate Practitioner</i>			
<b>French and German Language with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>French and Italian Language with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>French and Linguistics with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>French and Spanish Language with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>French/Philosophy (Equal) (4 year)</b>	BA	Language and Linguistic Science; Philosophy	126, 161

PROGRAMME TITLE	QUALIFICATION	SUBJECT SECTION[S]	PAGE[S]
<b>G</b>			
<b>Genetics</b>	BSc	Biology	73
<b>Genetics with a year in Europe/in industry (4 year)</b>	BSc	Biology	73
<b>Genetics (4 year)</b>	MBiol	Biology	73
<b>Genetics with a year in Europe/in industry (5 year)</b>	MBiol	Biology	73
Geography see Environmental Geography; Human Geography and the Environment			
<b>German and Italian Language with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>German and Linguistics with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>German and Spanish Language with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>German/Philosophy (Equal) (4 year)</b>	BA	Language and Linguistic Science; Philosophy	126, 161
<b>H</b>			
<b>Health and Social Care Certificate of Higher Education (1 year)</b>	CertHE	Nursing, Midwifery and Healthcare	155
<b>Health and Social Care Foundation Degree: Associate Practitioner (2 year)</b>	Foundation Degree	Nursing, Midwifery and Healthcare	155
<b>Health and Social Care Practice (generalist pathway) (2–5 years)</b>	DipHE/BSc	Nursing, Midwifery and Healthcare	155
<b>Health and Social Care Practice – Applied Midwifery Practice (2–5 years)</b>	BA	Nursing, Midwifery and Healthcare	155
<b>Health and Social Care Practice – Child and Adolescent Mental Health (2–5 years)</b>	DipHE/BSc	Nursing, Midwifery and Healthcare	155
<b>Health and Social Care Practice – Psychosocial Interventions (2–5 years)</b>	DipHE/BSc	Nursing, Midwifery and Healthcare	155
<b>Historical Archaeology</b>	BA	Archaeology	66
<b>History</b>	BA	History	116
<b>History with a year abroad (4 year)</b>	BA	History	116
<b>History/Economics (Equal)</b>	BA	Economics and Related Studies; History	93, 116
<b>History/French (Equal) (4 year)</b>	BA	History; Language and Linguistic Science	116, 126
<b>History/History of Art (Equal)</b>	BA	History; History of Art	116, 121
<b>History of Art</b>	BA	History of Art	121
<b>History/Philosophy (Equal)</b>	BA	History; Philosophy	116, 161
<b>History/Politics (Equal)</b>	BA	History; Politics	116, 172
<b>Human Geography and the Environment</b>	BA	Environment	112
<b>Human Geography and the Environment with a year in industry (4 year)</b>	BA	Environment	112
<b>Human Geography and the Environment (Extended Degree) (4 year)</b>	BA	Environment	112
<b>Human Geography and the Environment (4 year)</b>	MEnv	Environment	112
<b>Human Geography and the Environment with a year in industry (5 year)</b>	MEnv	Environment	112
<b>I</b>			
Industry see Chemistry, Management and Industry			
<b>Interactive Media</b>	BSc	Theatre, Film and Television	194
<b>International Relations</b>	BA	Politics	172
<b>Italian and Linguistics with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>Italian and Spanish Language with a year abroad (4 year)</b>	BA	Language and Linguistic Science	126
<b>L</b>			
<b>Law</b>	LLB	Law School	131
<b>Law (Senior Status) (2 year)</b>	LLB	Law School	131
<b>Law (4 year)</b>	MLaw	Law School	131
<b>Linguistics</b>	BA	Language and Linguistic Science	126
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# GETTING TO THE UNIVERSITY

York has excellent transport links with other major cities both in the UK and abroad. The University is located within easy reach of York city centre.



## TRAVEL TIMES

From the city centre to the University (Campus West)

<b>By car/taxi</b>	10–12 mins
<b>By bus</b>	12–15 mins
<b>By bike</b>	12–15 mins
<b>On foot</b>	25–30 mins

## Airports

There are international airports at Manchester and Leeds, and York is under two hours by rail from London so Heathrow and Gatwick airports are also within easy reach.

## Rail

There is a frequent, fast train service to York on the main East Coast line from London King's Cross to Edinburgh. There is also a direct service across the Pennines between York, Leeds and Manchester Airport.

## Car

Take the outer ring road (A64 on the south and east sides of the city, A1237 round the north and west) to the junction with the Hull/Bridlington roads (A1079/A166). From this junction the route to the University is signposted. All public car parks on the campus have reserved bays for disabled badge-holders.

## Taxi

A journey by taxi from York Railway Station to the University takes from 15 to 20 minutes.

## Bus

There are regular bus services between the University and York Railway Station and a frequent free bus shuttle service on the campus between Campus West and Campus East.

## Coach

You can reach York by coach from many destinations around the country. National Express buses stop at York Railway Station.

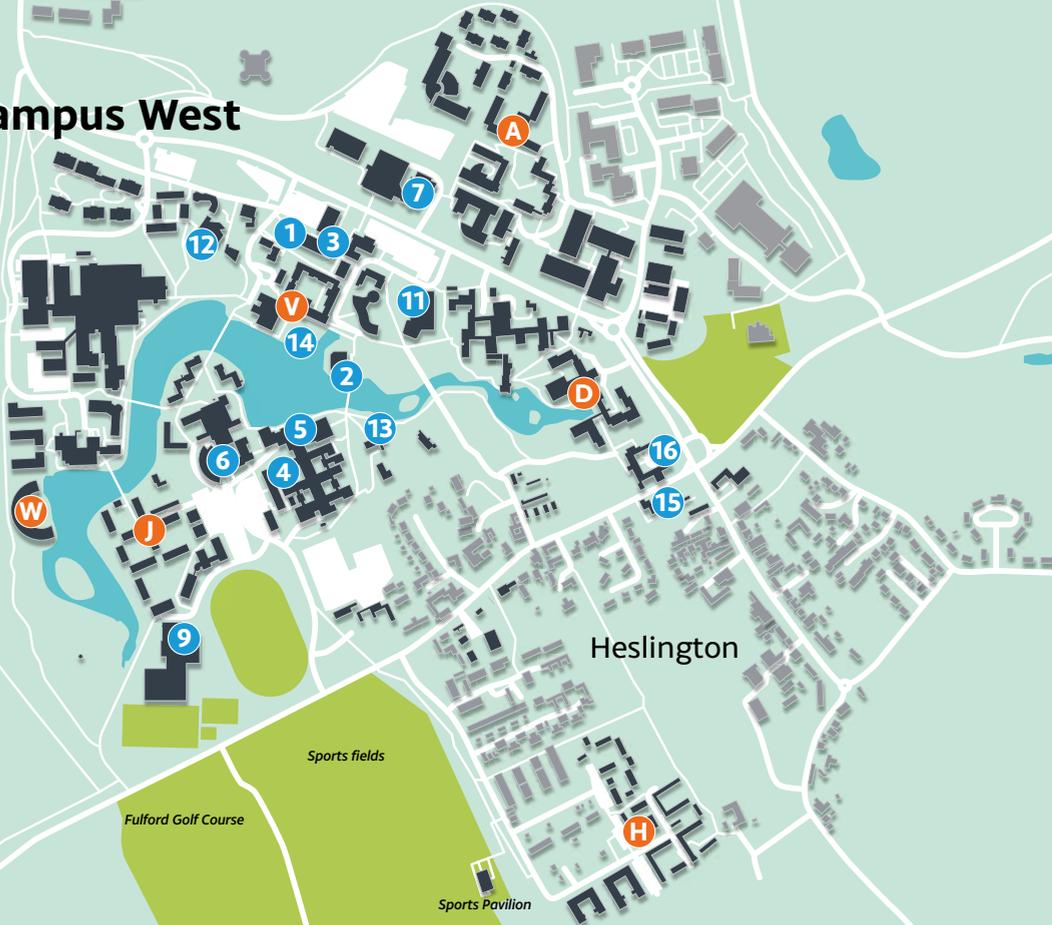
## King's Manor, York city centre



### WALKING TIMES

Campus West → City centre	25 mins
Central Hall → Ron Cooke Hub	20 mins
Ron Cooke Hub → York Sport Village	15 mins
Central Hall → Halifax College	10 mins

## Campus West



# UNIVERSITY CAMPUS

## Campus East

### KEY BUILDINGS

1. Information Centre
2. Central Hall
3. Market Square
4. YUSU – Students' Union
5. Exhibition Centre
6. Roger Kirk Centre
7. Library and Archives
8. York Sport Village
9. York Sport Centre
10. Ron Cooke Hub
11. Teaching and Learning Building
12. Jack Lyons Concert Hall
13. Medical Centre
14. Greg's Place
15. Student Recruitment and Admissions
16. Heslington Hall
17. King's Manor (city centre)
18. York Minster Library (city centre)

### COLLEGES

- A Alcuin College
- C Constantine College
- D Derwent College
- G Goodricke College
- H Halifax College
- J James College
- L Langwith College
- V Vanbrugh College
- W Wentworth College (postgraduate)

## STUDENT RECRUITMENT AND ADMISSIONS

+44 (0)1904 324000

ug-admissions@york.ac.uk

york.ac.uk/study

University of York, York YO10 5DD

### TERM DATES

## 2016/17

### Autumn Term

Monday 26 September 2016 – Friday 2 December 2016

### Spring Term

Monday 9 January 2017 – Friday 17 March 2017

### Summer Term

Tuesday 18 April 2017 – Friday 23 June 2017

## 2017/18

### Autumn Term

Monday 25 September 2017 – Friday 1 December 2017

### Spring Term

Monday 8 January 2018 – Friday 16 March 2018

### Summer Term

Monday 16 April 2018 – Friday 22 June 2018

## 2018/19

### Autumn Term

Monday 24 September 2018 – Friday 30 November 2018

### Spring Term

Monday 7 January 2019 – Friday 15 March 2019

### Summer Term

Monday 15 April 2019 – Fri 21 June 2019

Note that these term dates do not apply to the Hull York Medical School or to Nursing programmes. Programmes involving placements or fieldwork may continue outside term time. If you have to resit your examinations you will need to return to the University at an earlier date.

### University of York Prospectus 2017

This prospectus is for students applying to join us in 2017 and was correct at the time of going to press. We hope to provide the programmes, opportunities and facilities described but for the most up-to-date information please visit our website at [york.ac.uk](http://york.ac.uk).

#### ORDINANCES AND REGULATIONS

The prospectus is issued for the general guidance of students entering the University of York in September 2017 and does not form part of any contract.

Our ordinances and regulations, which are binding on all students, can be found on our website. The University's qualification titles are consistent with the national Framework for Higher Education Qualifications. Further information about the Framework is available from the Quality Assurance Agency for Higher Education ([qaa.ac.uk](http://qaa.ac.uk)).

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If you would like a large-print copy of this prospectus, or to enquire about other formats, please contact +44 (0)1904 323196 or email [admissions-liaison@york.ac.uk](mailto:admissions-liaison@york.ac.uk)

# YOUR YORK EXPERIENCE

## WORLD-CLASS REPUTATION

We are a Russell Group university with a reputation as one of the world's premier institutions for inspirational and life-changing research

## RESEARCH-LED TEACHING

You'll learn with active researchers who are passionate about their subject and experts in their fields

## FOCUS ON EMPLOYABILITY

Our first-class learning resources, skills development and Careers service will help you study effectively and strengthen your employability

## GLOBAL CONNECTIONS

York has teaching and exchange partnership links with some of the world's best universities and there are many opportunities to study and work abroad

## INCLUSIVE CULTURE

Our students come from more than 160 countries so you'll get to know people from a wide variety of cultures

## COLLEGE COMMUNITIES

You'll be a member of one of our eight undergraduate colleges, giving you an instant social life and a secure and supportive community

## YOUR STUDENTS' UNION – YUSU

Our Students' Union has over 180 societies to choose from. The YUSU team will help you share ideas, develop new skills and give you advice and support

## COSMOPOLITAN CITY

We are based in the medieval city of York, voted one of the best places to live in the UK, and right in the centre of the country with excellent rail links and international airports within easy reach

## STUDENT FRIENDLY

Our beautiful landscaped campus is just a 20 minute walk from the vibrant, student-friendly city centre – you'll study, live and socialise in one of the safest cities in the UK

## OPEN DAYS 2016

FRIDAY **24 JUNE**

SATURDAY **25 JUNE**

SATURDAY **17 SEPTEMBER**

SUNDAY **18 SEPTEMBER**

[york.ac.uk/openday](http://york.ac.uk/openday)



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