



**QUEEN'S  
UNIVERSITY  
BELFAST**

**UNDERGRADUATE  
PROSPECTUS  
2019**

**SHAPING A  
BETTER WORLD  
SINCE 1845**

**RUSSELL  
GROUP**

**IT ALL  
STARTS HERE**



# WELCOME

Thank you for considering applying to study with us here at Queen's University Belfast.

We know there is a lot of information to take on board and to consider when making the decision about which university to study at. It's a big decision to make and one which entails much more than looking at what degree courses are on offer.

Here at Queen's University, we're aware of what really matters to students when making that all-important decision – how much does it cost; what are the employment opportunities once you graduate; how well does the University perform in the rankings.

In this Prospectus, you'll find all the answers to these questions and much more, including how you can see the world by joining us at Queen's.

As a Queen's University student, you will join a university that is truly international. We have been named the 25th most international university in the world and have some 2,200 international students who help to create a multicultural and vibrant campus.

This means that no matter where you come from, you will get the opportunity to have an international experience right here in Belfast – whether that be by making friends with students from all over the world or by taking the opportunity to travel and explore the world through our extensive study abroad and study tour opportunities.

Thanks to our links with more than 250 partner institutions and over 3,000 employers worldwide, hundreds of our students do just that each year and you could be one of them.

I hope you enjoy reading the Prospectus and discovering all that Queen's and Belfast has to offer, and that it helps in your decision to join us. I look forward to welcoming you on campus.



**Professor James C McElroy**  
Acting President and Vice-Chancellor



# WELCOME TO QUEEN'S UNIVERSITY BELFAST

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# WHY QUEEN'S?

Queen's University is a world-class institution combining excellent academic standards with a focus on employability to give our graduates the edge in the global job market. Here are just ten of the reasons you should join the leaders of tomorrow.



## 1. WE'RE A RUSSELL GROUP UNIVERSITY

We're ranked in the top 1% of universities in the world, so a degree from Queen's is something to be proud of.

(QS World University Rankings 2018/ Webometrics.info)



## 4. YOU'LL BENEFIT FROM £700M CAMPUS INVESTMENT

Over the past decade, Queen's has invested over £350m in cutting edge facilities, with the same to be spent over the coming decade, placing us joint 2nd in the UK for university facilities.

(Times Higher Education Student Experience Survey 2017)



## 2. OUR RESEARCH HAS GLOBAL IMPACT

We're joint 8th in the UK for research intensity (REF 2014/ Times Higher Education) and our world-leading research informs our courses, meaning that what you learn is as relevant as it can be.



## 5. WE'RE IN THE UK'S BEST CITY

Queen's is at the social and cultural heart of Belfast, named the best region in the UK (Lonely Planet, 2017), and among the top five most affordable student cities in the UK.

(Marbles.com, 2017)



## 3. YOU'LL BE TAUGHT BY WORLD-LEADING ACADEMICS

We've won the Queen's Anniversary Prize, which recognises universities and colleges which have demonstrated excellence, innovation, impact and societal benefit, on six occasions.



## 6. FROM HERE, YOU CAN GO ANYWHERE

You can enhance your degree with a range of study or work abroad opportunities, enabling you to broaden your horizons, enrich your university experience and gain the edge in the graduate job market.



## 7. BRAND NEW CITY CENTRE ACCOMMODATION

Our student accommodation is among the most affordable in the UK (Natwest Student Living Index 2017), and we've added 1,237 new rooms across two brand new city centre sites for 2018.



## 9. WE'LL ENABLE YOUR FUTURE CAREER

We are dedicated to student employability and our strong industry links mean over 94% of Queen's graduates are in employment or further study six months after graduation.

(HESA Destination of Leavers from Higher Education Survey, 2015/16).



## 8. YOU'LL BE FULLY SUPPORTED

We offer a network of support services, such as the Student Guidance Centre, and a range of generous scholarships to help you get the most from your time at Queen's.



## 10. YOU'LL FIND A PLACE TO BELONG

There are over 200 student-led clubs and societies on campus; while a £20 million sports investment has helped establish our reputation as one of the premier sporting universities in Ireland and the UK\*.

\*(Guardian University Guide 2016)

# HERITAGE AND HEROES

As the UK's 9th oldest University, our history is rich with brilliant leaders, inspiring thinkers and incredible achievers who have been shaping a better world since 1845.



Seamus Heaney

## THE WORLD'S BEST-KNOWN POET

World-renowned Irish poet, playwright, translator and lecturer, Seamus Heaney was awarded a BA in English from Queen's in 1961. He was also a lecturer in Modern English Literature at Queen's and Harvard's Poet in Residence.

### OUR NOBEL PRIZE WINNERS

Three Nobel Prize winners have worked or studied at Queen's.



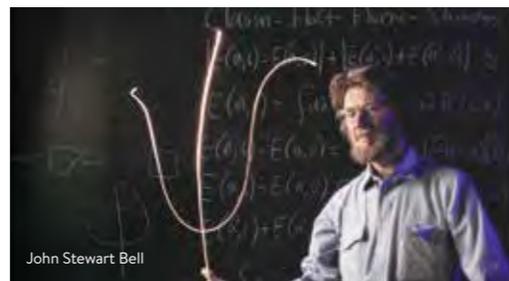
Mary McAleese with Barack Obama

## BRITISH FEMALE INVENTOR OF THE YEAR

Máire O'Neill graduated from Queen's as a Master of Engineering in 1999 and is widely regarded as one of Europe's leading cryptography experts working to enhance global data security. She received the prestigious 2014 Royal Academy of Engineering Silver Medal, one of only five engineers who have received the medal in national recognition for their contribution to society.



Máire O'Neill



John Stewart Bell

## IRELAND'S EINSTEIN

John Stewart Bell is known throughout the world of physics as originator of "Bell's theorem" or "Bell's inequality." Dubbed one of the top ten physicists of the 20th century by the Institute of Physics, he is considered by some scientists to rank alongside Isaac Newton and Albert Einstein.

## NORTHERN IRELAND'S FIRST PRESIDENT OF IRELAND

After graduating from Queen's with a law degree in 1973, Mary McAleese was called to the Northern Irish Bar in 1974 and practised criminal and family law. Serving as the eighth President of Ireland from 1997 to 2011, she was the second female President and is the first President of Ireland to have come from Northern Ireland. She remains a member of the Irish Bar.



William J Clinton



Liam Neeson

## AWARD-WINNING ACTOR

Hollywood actor Liam Neeson, OBE was first a Physics and Computer Science undergraduate at Queen's in 1971 before receiving his honorary doctorate in 2009. He was nominated for an Oscar for his role in *Schindler's List*.



Statue of Professor James Francis Pantridge

## THE FATHER OF EMERGENCY MEDICINE

Professor James Francis Pantridge was a physician and cardiologist who transformed emergency medicine and paramedic services with the invention of the portable defibrillator. In 1969 he was appointed Officer of the Order of St. John (OSTJ) and he was appointed Commander of the Order of the British Empire (CBE) in the 1979 New Year's Honours.



## HOW OUR ALUMNI CAN HELP YOU

Queen's alumni enjoy lasting connections with a network of over 180,000 individuals who are making a real difference in more than 120 countries around the world.

Our alumni include high-profile graduates who are making an impact globally in many fields and membership of our alumni network opens the door to an array of amazing benefits, from social activities to careers support.

For further information, please contact:

Ian Moore  
Head of Alumni Relations  
Queen's University Belfast  
t: +44 (0)28 9097 5218  
e: [alumni@qub.ac.uk](mailto:alumni@qub.ac.uk)  
w: [qub.ac.uk/alumni](http://qub.ac.uk/alumni)

# BELFAST SOLUTIONS TO GLOBAL PROBLEMS

As one of the world's top research-intensive universities, Queen's is committed to answering the world's big questions – and we're doing it here in Belfast. You'll be learning from a community of leading academics probing for solutions to global challenges, such as:



## HOW DO WE FEED THE WORLD?

The Institute for Global Food Security is at the forefront of tackling one of the greatest global challenges – how to ensure a sufficient, safe and nutritious supply of food for the world's population.

[go.qub.ac.uk/gri-igfs](http://go.qub.ac.uk/gri-igfs)



## HOW DO WE HELP SOCIETIES RECOVERING FROM CONFLICT?

The Senator George J Mitchell Institute for Global Peace, Security and Justice is helping governments, international agencies and civil society answer questions about peace, security and justice, informed by the post-conflict society in Northern Ireland.

[go.qub.ac.uk/gri-mitchell](http://go.qub.ac.uk/gri-mitchell)



## HITTING THE HEADLINES

76% of our research is classified in the top two categories of world leading and internationally excellent.

(REF 2014)



## HOW DO WE TACKLE CANCER, RESPIRATORY CONDITIONS, EYE DISEASE?

The Institute of Health Sciences is focused on addressing cancer, respiratory conditions, eye disease and diabetic vascular complications through its three operational divisions: the Centre for Cancer Research and Cell Biology (CCRCB), the Centre for Public Health (CPH) and the Wellcome-Wolfson Institute for Experimental Medicine.

[go.qub.ac.uk/gri-ihs](http://go.qub.ac.uk/gri-ihs)



## HOW DO OUR LIVES STAY SECURE IN THE MIDST OF THE EXPANDING INFORMATION EXPLOSION?

The multi award-winning Institute of Electronics, Communication and Information Technology (ECIT) is the anchor tenant at Catalyst Inc., one of the UK's largest research and innovation campuses. Tackling challenges associated with digital growth, ECIT is addressing cyber security, redefining wireless communication and sensing systems, and addressing the information explosion for the third millennium.

[ecit.qub.ac.uk](http://ecit.qub.ac.uk)

## WHAT OUR RESEARCH MEANS FOR YOU:

- Our world-class research feeds directly into your course so your lectures will be up to the minute.
- As a Russell Group University, our research reputation attracts the best academics and substantial research income.
- You'll have the opportunity to conduct your own research through our Research Experience Scheme for Undergraduate Students.

## A STUDENT'S RESEARCH EXPERIENCE

"I chose Queen's because of the sheer amount of research happening at the Centre for Cancer Research and Cell Biology (CCRCB). This up-to-the-minute research informs our lectures, and we then have a chance to apply what we've learned in a real-world setting through hospital-based teaching.

"Doctors nowadays are more than just doctors, they are clinical researchers, too. I gained valuable insight into the biomedical research at the CCRCB as part of a summer studentship. This gave me the opportunity to interact daily with leading researchers and scientists in the labs who were happy to give their time to teach and guide me.

"It was inspiring to be in an environment where medical breakthroughs are made literally every week. I now feel confident that I would like to have a research aspect to my daily clinical life. I want to be a part of the upcoming generation of medical researchers making a difference in the world."

**Tejas Harita**  
Bachelor of Medicine undergraduate

# WE'RE A GLOBAL UNIVERSITY

Over 23,000 students live and study at Queen's. Over 82 countries are represented by the student body including Malaysia, China, the Indias, the Middle East and the United States. We also employ more than 600 international staff drawn from over 70 nationalities.

Part of the elite Russell Group, Queen's is a truly international university, ranked 25th in the world for global outlook\*. We offer an International student experience for everyone – no matter where you're from. With links to over 250 universities and 3,000 employers around the world, you'll gain career-defining access to our inspiring worldwide network that spans 120 countries.

We reward hard work and excellence, and every year we offer £1.5 million of scholarships to International Students (see page 53 for details). Our global outlook offers all our students the opportunity for personal growth and development, further strengthening your position on the global job market.



WE'LL GIVE YOU THE OPPORTUNITY TO:



Join one of the world's top 25 most international universities.

\*(Times Higher Education World University Rankings 2018)



Meet students from over 82 countries.



Gain the edge in the global job market.



Study, work or volunteer abroad.  
(See pages 16-17)



Join the fastest growing Russell Group university for international students.  
(HESA, 2011-2014)



Learn from and contribute to world-changing research.  
(See pages 8-9)



Be part of a global network that spans 120 countries.



Spend a semester or a full academic year at another global university.  
(See pages 14-15)



## A COSMOPOLITAN CAMPUS

Queen's plays a key role in the internationalisation of Northern Ireland and we're proud that Belfast is a socially-diverse and inclusive city. One of the best ways to appreciate the diversity we have on campus is through the array of multicultural events that take place – such as an Indonesian Culture Show and the Chinese New Year celebrations. There are also a host of clubs and societies on campus celebrating the diversity of our student body (see page 24-25).



## SUPPORTING OUR INTERNATIONAL STUDENTS

Our global campus community offers a friendly, multicultural and safe environment. If you're coming to Queen's from outside the UK, you can expect:

- Faith provision for all major religious denominations, including prayer rooms close to campus.
- Easy access to speciality foods such as halal butchers, and Asian and Polish supermarkets, as well as international restaurants (see page 39).
- A guaranteed place in Queen's accommodation with living options including same-sex living, no-alcohol living and quiet-living (see page 30-31 for more).
- A five-day dedicated orientation programme on arrival.
- Support and advice on everything from healthcare to visa applications.

“Queen's University is a place where you will find the best quality in education, with a campus that would make you fall in love with it every single day, and people that will always have a smile for you, no matter the circumstances”.

Susana Velasquez  
MSc Process  
Engineering, Colombia

**International Office**  
t: +44 (0)28 9097 5088  
e: [international@qub.ac.uk](mailto:international@qub.ac.uk)  
w: [qub.ac.uk/International](http://qub.ac.uk/International)

International Student Support  
t: +44 (0)28 9097 3820  
e: [iss@qub.ac.uk](mailto:iss@qub.ac.uk)  
w: [qub.ac.uk/isso](http://qub.ac.uk/isso)

# A PLACE OF POSSIBILITY

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# ENABLING YOUR **FUTURE CAREER**

Our Careers, Employability and Skills team can help you to develop your employability throughout your time at Queen's and beyond. Our team includes professionally qualified careers consultants, employer engagement staff and a global opportunities team. We can support you in making career decisions, develop your skills and confidence, and help you take advantage of opportunities including studying abroad, work experience and graduate jobs.

## EMPLOYER-SPONSORED SKILLS AWARD

Degree Plus allows you to gain accreditation for both personal development and work-related activities that you undertake outside of your degree. The award is supported by employers who recognise the value of extracurricular experience. Over 2,000 students graduate with Degree Plus every year.

## PIONEERING WORKPLACE STUDY TOURS

Our specialist Employer Engagement team work to communicate your value to potential employers in the global job market through our pioneering Workplace Study Tours. Each tour group visits around eight to 10 graduate employers and engages in a range of business games, case studies and related exercises reflecting recruitment selection practices. Our current tours include Brussels, London Finance and Business Tour, London Law Tour, as well as a Global Leadership Programme in Asia and the USA.

"I feel that the Study Tour experience has had a significant impact on my career development and future career plans. It has opened my eyes to the vast opportunities available in the finance sector."

Clodagh McCambridge  
Actuarial Science and Risk Management



"I've gained a real insight into the media industry via meeting successful journalists. Joining The Edit has helped expand my skills, improve my confidence and really added to my CV."

Orla Traynor  
English and History



## CONNECTING YOU WITH EMPLOYERS

Many employers hire graduates that they already know, so you'll reap the rewards of our industry links. Our internship programmes place you with an employer, giving you an insight into how the world of work and business operates. What's more, our alumni mentoring scheme connects with high-level employers and alumni around the world - New York, Paris and London.

### For further information, please contact:

Careers, Employability  
and Skills  
[qub.ac.uk/careers](http://qub.ac.uk/careers)

Degree Plus  
[qub.ac.uk/degreeplus](http://qub.ac.uk/degreeplus)

Global Opportunities  
[go.qub.ac.uk/goglobal](http://go.qub.ac.uk/goglobal)

Employability  
[go.qub.ac.uk/employability](http://go.qub.ac.uk/employability)

Development Weeks  
[go.qub.ac.uk/developmentweeks](http://go.qub.ac.uk/developmentweeks)

## PROFESSIONAL DEVELOPMENT OPPORTUNITIES INCLUDE:

- **MyFuture** – a career management system that allows you to search jobs and book events or an appointment with one of our Career Consultants.
- **Development Weeks** – three weeks within the academic year to participate in activities, both studies-related and extra-curricular, accredited by Degree Plus. This space allows you to enhance your student experience by delivering to peers and participating in cross-discipline and inter-faculty activities.
- **Get Employment Ready Award** – Learn how to express your skills and qualities to employers on paper, online and in person.
- **MEDIA Programme** – spend one year learning about different aspects of the media sector and working on The Edit publication.

## ENTERPRISE AND ENTREPRENEURSHIP

We're proud to say our graduates play a leading role in the senior management of 80 of Northern Ireland's top companies. We prize entrepreneurship and academic ability. We also work with the team of enterprise advisors in the Students' Union who are there to support students in starting businesses, through free advice, incubation space, enterprise programmes and competitions.

"There are loads of opportunities at Queen's, including hackathons and other competitions with great prizes on offer. I entered a global competition run by a huge engineering firm as part of a team and ended up placing 4th in the world! As part of the prize, we got a guided tour of the facility and met senior engineers in the company!"

Thomas McRoberts  
Software and Electronic Systems Engineering

# GLOBAL OPPORTUNITIES!

Every year over 800 Queen's students take the opportunity to go outside Northern Ireland to study or gain work-related experience. Nothing is more rewarding. Whilst overseas you'll load up on confidence and independence. You'll experience the colour of life elsewhere. You'll enrich your own journey.

Queen's encourages students to take advantage of a period of study at an overseas university or an international work placement as part of their degree. Some degrees (especially those with a language element) include a compulsory year abroad.

These are generally four-year courses, during which you will spend a year either studying at a partner university or on work placement with an employer. Many other degrees offer the option of participating in a study exchange scheme for one or two semesters, usually in your second year. The 'semester abroad' option will allow you to graduate within the usual three years. There are also lots of summer options available, when a longer period abroad is not possible.



@annamontg



Krn Aleix Vu



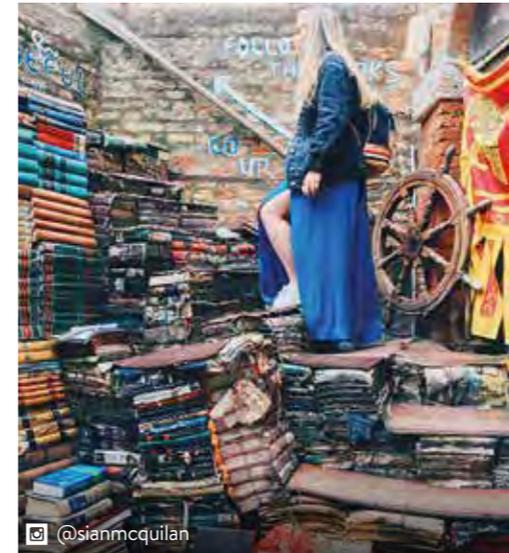
@amymundye



Aisling Kerr



@amymundye



@sianmcquilan



Quỳnh Nga



Lily Pollack



Emma Gorst

"Taking part in Study USA was one of the most fulfilling years of my life. I started the year feeling unsure and nervous about what I was going to experience and I finished the year with memories of people I met, lessons I had learnt and places I had visited, which have helped me to grow in confidence. It has been a truly life-changing experience."

Niall O'Hagan,  
Accounting (Study USA Student of the Year 2017)

## EXPLORE THE WORLD

There are lots of options and we'll help you research them. Our most popular international scheme is the European Erasmus Programme\*. The scheme enables students to spend part of their degree studying or working in another European country. Queen's also has a growing range of options outside of Europe, including programmes in Australia, Canada, China, India, New Zealand and the USA.

## (PST! YOU DON'T NEED TO BE FLUENT)

Advanced language skills are not always necessary in order to study abroad – many of the University's European partners teach in English, as well as the University's partners in North America and Australasia.

If you already have some knowledge of a foreign language, then studying abroad is an excellent opportunity to improve your fluency. All students – not just those studying Modern Languages – are strongly encouraged to enhance their language skills and many choose to attend the University Language Centre, located within the McClay Library, before they go abroad. Please visit: [go.qub.ac.uk/langcent](http://go.qub.ac.uk/langcent)

## FUNDING OPTIONS

If your semester or year studying abroad is a recognised part of your degree programme, whether compulsory or optional, you should still be entitled to your student loan whilst overseas. Students going on an Erasmus exchange to Europe also normally receive an Erasmus grant to help cover their additional costs. Some semester and summer programmes are eligible for a University travel grant.

## YOU'LL BOOST YOUR CONFIDENCE – AND YOUR DEGREE!

Students who undertake an international study placement are eligible to apply for the placement to be considered towards the Queen's Degree Plus Award. The Award provides official recognition of the non-academic benefits of an international study placement, such as improved employability skills, global and cultural awareness and increased self-confidence and motivation.

\* The Erasmus Programme is funded with the support of the European Union. Continued participation post-Brexit is to be confirmed.

For more information about global opportunities:

w: [go.qub.ac.uk/goglobal](http://go.qub.ac.uk/goglobal)  
e: [goglobal@qub.ac.uk](mailto:goglobal@qub.ac.uk)



# SPORTING ACTION

Since our foundation in 1845, sport has played an important part in the Queen's student experience. Today, we're one of the premier sporting universities in the UK and Ireland, and we encourage all our students to benefit from the positive effects of sport – whatever your level.

Our world-class indoor and outdoor sporting facilities will help you lead a healthy, active lifestyle, and are ideal for recreational, competitive or high performance athletes. We've invested over £20m in recent years improving our state-of-the-art facilities so there are even more opportunities for you to work-out and play.



There are over 50 sporting clubs, giving opportunities for students of all abilities to compete, socialise or get active, and our campus-wide sports programme encourages participation in a range of activities throughout the academic year.

We host a weekly ParkRun at our Outdoor Sporting Facility at Upper Malone and our annual Deep RiverRock 5K race, which attracts thousands of recreational runners. We have also recently launched an Active Campus initiative with sporting activities and programmes to suit everyone – no matter what your fitness level.

### SPORTS FANS

Belfast offers a wealth of choice for sports fans and spectators, whether you fancy a night at the rugby, a Belfast Giants ice hockey game, a soccer match or a fast-paced Gaelic football or hurling match. The Belfast City Marathon attracts 20,000 participants from around the world every year.





**3rd**  
for sporting facilities  
among 13 Russell Group  
Universities

International Student  
Barometer Autumn 2017



The Physical Education Centre (PEC)

## INDOOR FACILITIES

### QUEEN'S SPORT MEMBERSHIP

Located next to the main campus you will find the hub of Queen's Sport - the Physical Education Centre (PEC). Here you will have the opportunity to exercise using state-of-the-art fitness and exercise facilities. Guided by knowledgeable and friendly staff, we can get you started and keep you going, whatever your level of fitness. We are open from 6.30am to 10pm on weekdays and 9.00am to 6pm on weekends.

Over 8,000 students take out a Queen's Sport membership each year.

Queen's Sport offer peak and off-peak student membership packages with flexible payment options.

Student memberships give you access to:

- State-of-the-art cardio fitness areas with 200+ machines
- Functional training and weights areas with six power cages and Olympic lifting platforms
- 75+ weekly exercise classes
- Four exercise and dance studios
- Six-lane, 25m swimming pool, diving pool and sauna
- Two multi-sports halls
- Indoor climbing and bouldering walls
- Eight squash courts
- Two handball/ racquetball courts
- 12 badminton courts
- Three outdoor 3G pitches



## OUTDOOR FACILITIES

### UPPER MALONE

Champions have been made, trophies won and accolades heaped onto thousands of students throughout Upper Malone's existence.

We have heavily invested in our outdoor facilities, and the new Arena Pitches and Clubhouse are the only facility in the UK and Ireland to showcase rugby, Gaelic games, hockey and soccer all at one site, with an additional 16 floodlit grass and synthetic playing surfaces.

### QUEEN'S BOAT HOUSE

Extensively upgraded in 2015, the Queen's Boat House is home to the Men's and Ladies' Boat Clubs, who have an excellent pedigree through performances at Senior and Novice levels in Ireland, Great Britain and on the international stage.



## ATHLETE SUPPORT

### SCHOLARSHIPS

We help talented athletes achieve their potential through our specialist scholarships, such as the Elite Athlete Programme, which offers a support package including £3,000 per year for tuition fees and £2,000 a year for living and travel costs (see page 52 for more details). Our Scholarship programmes are one of just many ways you can enhance your time at Queen's through the Degree Plus scheme (see page 14)

### ACADEMIES

We have been working with student clubs, governing bodies and alumni networks to develop sporting academies. Currently there are five academies - Rugby, GAA, Soccer, Rowing and Hockey - with over 35 teams and 600 students competing each year.

We created these academies to provide a high performance culture within each sport, but also to promote recreational and community initiatives. Sporting legends have graced the Queen's jersey with pride. There are also Hockey and Soccer Academy scholarships distributed annually. We've named Rugby and GAA Academy Scholarships after:

- Sean O'Neill (Gaelic Football)
- Jack Kyle (Rugby)
- Henry Downey (Hurling)

In recent years, Queen's-supported athletes competed in top level competitions in over 20 countries, including Olympics, Paralympics, World University Championships, European Athletics Championships and US Open Swimming Championships.

### SPORTS BURSARIES

The Queen's Sports Bursaries provide support for those non-academy athletes who are developing in their chosen sport. They also support students to compete nationally and on the world stage.



### Further Information

Queen's Sport  
[queenssport.com](http://queenssport.com)

Performance Sport  
[queensperformancesport.com](http://queensperformancesport.com)

Elite Athlete Programme  
[go.qub.ac.uk/sportEAP](http://go.qub.ac.uk/sportEAP)

# HELLO FROM THE STUDENTS' UNION TEAM!

We'll be your rock during your Queen's experience

Queen's Students' Union is here to make your life at Queen's enriching, rewarding and fun. Ranked 6th for student experience in The Times Higher Education Student Experience Survey 2017, it offers a range of support services including volunteering and enterprise opportunities, clubs and societies, advice, entertainment, bars, shops and much more.

## WE'RE LED BY STUDENTS, FOR STUDENTS

Each year, students are elected to become Student Officers. The team is here to help you, represent you, organise campaigns to make the changes you want and lead the Union on your behalf.

## MEET NEW PEOPLE AND HAVE FUN

Make the most of your time at Queen's by joining one of our 200+ clubs and societies (see page 24-25) or join the 5,000 students that are involved in volunteering at Queen's every year. Homework Clubs is one of our top Volunteer SU initiatives for students. Through tutoring, we help inspire young people in some of the most educationally underachieving areas of Belfast to be successful and go on to do great things.

## BE ENTERPRISING AND DEVELOP YOUR BUSINESS SKILLS

With business one-to-ones, programmes and workshops, Enterprise SU helps you develop the skills you need to start your own business or secure your dream job. Whatever your degree pathway, we help you develop creative thinking, generate ideas and improve your entrepreneurial skills.

## ADVICE WHEN YOU NEED IT

Advice SU has four advisers who are dedicated to providing students with free, independent, confidential and accurate advice. Pop in when you need a helping hand.

## AND RELAX

There are bars, shops and numerous spaces for you to relax, grab lunch, watch live sport on TV, play pool, go to gigs and catch up with friends.

The Union's entertainment venues are open 7 days a week and best of all, it's always free to get in.



We've invested in a new Student Centre, including a new Students' Union facility

(see page 34 for more details)

**Rachel Powell**

Equality and Diversity Officer

**Stephen McCrystall**

President

**Jessica Elder**

Welfare Officer

**Lucy Gault**

Education Officer

**Faisal Kadiri**

Activities Officer

## GET INVOLVED!

Why not become:

### A STUDENT OFFICER

Become a full-time Student Officer to represent all students in Queen's.

### A STUDENT COUNCILLOR

Sit on the Student Council to represent the views of Queen's students and decide what the Union should be working on.

### A SCHOOL REP

Be the vital link between the students in your school, and the University and the Students' Union.

#### Further Information

Queen's Students' Union  
w: [qubsu.org](http://qubsu.org)

Union President  
e: [su.president@qub.ac.uk](mailto:su.president@qub.ac.uk)

# JOIN THE CLUB!

Meet new people, have fun and make the most of your time at Queen's by joining one of our 200 plus clubs and societies. There's a wide range to suit everyone, including sport, gaming, creative, cultural, academic and charitable groups – or if you can't find one that suits you, you can even start your own! Over 11,000 students are members of our student-led clubs and societies. They give you a little bit more: more fun; more time to be part of something; more time to improve your skills.

## ARTS, CULTURE AND LANGUAGE

Learn a new language and more about a foreign culture or simply meet up with students from the same part of the world as you. Our multicultural societies include the African and Caribbean Society, the Chinese Students Association and the South Asian Students Society. In our inclusive campus environment, you'll have the opportunity to meet other students with shared interests and make new friends from across the globe.

## MEDIA AND GAMING

Enjoy all things gaming with the Dragon Slayers Society, make your mark in the world of film or music, or host your own radio show with Queen's Radio Society.

## ACADEMIC AND CAREER ENHANCEMENT CLUBS

Many courses have related clubs but they do much more than discuss what happened in your latest lecture – including organising social events and fundraisers. Academic clubs can also help enhance your studies and your career opportunities in the process.

## CHANGE THE CONVERSATION

Argue your point with the Literific Debate Club, or if your passion is politics then you can join one of many political clubs at Queen's. Alternatively, help raise money and awareness for a number of great causes by volunteering for one of our charitable and environmental clubs.

## MAKE IT COUNT

Being part of a club is more than a great way to make friends: it's an opportunity to improve your skillset and bolster your CV. What's more, if you get involved in the running of a club, you can get credit towards a Queen's University Degree Plus Accreditation (see page 14-15).



Photo: Patrick Cartwright, Queen's Surf Club



Jocelyn Hill, Queen's Sailing Club



Rachel Darragh, Queen's Dance Society



Rafal Kacprzyk, Queen's Skydiving Club

## MEET THE PRESIDENTS

"Skydiving is the best way to relax after a hard week of lectures, assignments and homework. Joining the club is the easiest and most affordable way to begin skydiving. You will make friendships that will last a long time after you have finished University. Most importantly, you will get to experience the most incredible thing in your life."

Rafal Kacprzyk  
Skydiving Club President

"I wanted to try something new and escape the city at weekends so I signed up to the Surf Club. I love how enthusiastic and passionate everyone is, from encouraging beginners to fall in love with the sport right up to advance surfers learning new tricks. There's a real 'no one gets left out' attitude. We get everyone involved in the social events and trips, both around Ireland and abroad to Portugal, Spain and Morocco."

Lucy Rutherford  
Surf Club

"I have had so many amazing opportunities with Queen's Dance Society, from travelling across the UK and Northern Ireland for dance competitions to performing in multiple University and charity events including our very own *Strictly Come Dancing!* I have also made friends for life and memories that will stay with me forever."

Rachel Darragh  
President of the Dance Society

"When I found out there was a sailing club at Queen's, I was really keen to get involved. When I first went to training, the people I met were lovely and really encouraged me. The team racing is challenging and I find I am always learning. I love the social side of the club most. We have our weekly training, socials nights, fundraisers, inter-varsity events across Ireland, and the highlight of the year for me which was our yachting holiday to Croatia – now an annual event!"

Jocelyn Hill  
Sailing Club

# STUDENT SUPPORT



## SUPPORTING YOUR NEEDS

We offer a network of support services dedicated to helping you get the most from your time at Queen's, looking after your health, emotional wellbeing, education, study needs, financial security and future career.

## STUDENT GUIDANCE CENTRE (SGC)

The SGC is the first place to visit for information, support, advice and guidance from everything from Careers, Employability and Skills services to counselling and help with IT. We provide an introduction to our virtual learning and email services, and advice and support on how to get the best out of University and personal IT equipment.

[go.qub.ac.uk/studentguidance](http://go.qub.ac.uk/studentguidance)

## SUPPORTING OUR INTERNATIONAL STUDENTS

Queen's supports International students before arrival, providing specialist visa and immigration advice and leading welcome and orientation programmes (see page 90) to help you maximise university life.

[qub.ac.uk/isso](http://qub.ac.uk/isso)

## RESILIENCE, WELLBEING AND COUNSELLING

Our qualified and experienced counsellors can help work through any personal, academic and emotional difficulties that impact on your studies.

[go.qub.ac.uk/resilienceandwellbeing](http://go.qub.ac.uk/resilienceandwellbeing)

## SUPPORT FOR STUDENTS WITH DISABILITIES

We offer all kinds of support, including School and exam support, accommodation requirements and assistance with applications for Disabled Students' Allowance.

[go.qub.ac.uk/disability](http://go.qub.ac.uk/disability)

## STUDENTS' UNION ADVICE CENTRE

We provide you with essential academic, financial and welfare advice.

[qubsu.org/AdviceSU](http://qubsu.org/AdviceSU)



## CHILDCARE

Queen's offers a range of childcare support, including full-time day care, out-of-school care and a summer activities scheme.

[go.qub.ac.uk/childcareservices](http://go.qub.ac.uk/childcareservices)

## FAITH PROVISION

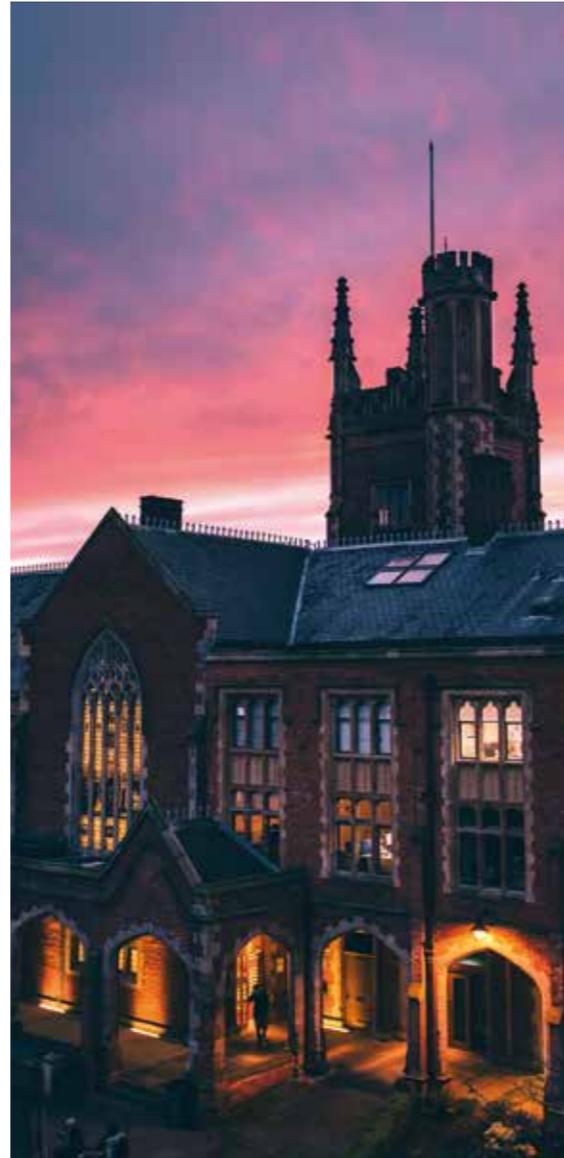
Our chaplains and other religious representatives serve students and staff across 12 faiths and denominations.

[go.qub.ac.uk/Religion](http://go.qub.ac.uk/Religion)

## UNIVERSITY HEALTH CENTRE AT QUEEN'S

Healthcare and prescriptions are free for everyone in Northern Ireland through the National Health Service (NHS). If you need to see a doctor or order a prescription, the University Health Centre at Queen's General Practice provides NHS (and non-NHS) services for Queen's students.

[go.qub.ac.uk/health](http://go.qub.ac.uk/health)



# OUR INTO QUEEN'S CENTRE

INTO provides academic preparation and English language courses to help prepare International Students for future study at Queen's.

## ACADEMIC AND ENGLISH LANGUAGE PREPARATION FOR UNIVERSITY

At the INTO Queen's Centre you will find small, focused classes, an inspiring learning environment and highly qualified staff dedicated to the highest standards of teaching and personalised support.

## INTO ENGLISH LANGUAGE COURSES

INTO Queen's offers a range of English language courses to International students who need to meet the English requirements for study. The courses run from four weeks to multiple semesters, depending on your English needs and academic goals.

## INTO ACADEMIC PREPARATION PROGRAMMES

Our academic preparation programmes provide subject-focused pathways to broader full-time study at Queen's.

## SCHOLARSHIPS

Scholarships are available for all three academic preparation programmes at INTO Queen's.

See [go.qub.ac.uk/INTOschol](http://go.qub.ac.uk/INTOschol) for more details and how to apply

If you progress to undergraduate study at Queen's through a Queen's INTO programme, you will also be eligible for University scholarships.

## INTERNATIONAL FOUNDATION

The International Foundation provides entry to the first year of over 70 undergraduate degree programmes here at Queen's. The pathways are:

- Architecture
- Business, Humanities and Social Sciences
- Engineering and Science

## INTERNATIONAL YEAR ONE

The International Year One programme is equivalent to the first year of a UK undergraduate degree. There are four pathways available:

- Accounting
- Engineering
- Management and Finance
- Integrated International Year One in Engineering

## GRADUATE DIPLOMA

The Graduate Diploma is a full-time academic programme that prepares you for direct entry to over 25 selected Master's courses at Queen's. The pathways are:

- Finance
- Management
- Social Sciences



## HOW TO APPLY

You may apply for an academic or English language programme by submitting a direct application form online at: [go.qub.ac.uk/INTOapply](http://go.qub.ac.uk/INTOapply)

Alternatively, for further information, please contact us at:

t: +44 (0)28 9097 6850  
e: [into@qub.ac.uk](mailto:into@qub.ac.uk)



# IT BEGINS IN BELFAST

30	Accommodation	40	Belfast
34	Facilities	44	Northern Ireland
36	Campus Map	47	Getting Here
38	Queen's Quarter		

# YOUR HOME FROM HOME

Studying at Queen's is a fantastic experience. It's even better when you know you're living somewhere safe, comfortable and affordable. We can offer you the all-important space to live and enjoy undergraduate life to the full.

## YOUR OPTIONS, AT A GLANCE

- Single or mixed gender accommodation
- Residences suitable for couples and families
- Private or shared bathrooms
- Studio, one to six bedroom apartments
- Twin, standard, premium standard and en suite room options
- Dedicated no-alcohol accommodation



## ACCOMMODATION FEES

(based on 2018-19 prices)

### Cost per week

Twin bedroom with shared facilities  
prices from £75

En suite single room  
prices from £130

Exclusive one-bedroom apartment  
prices from £175



## AFFORDABLE ACCOMMODATION

Queen's currently has over 3,485 places in our student accommodation, which means you can take advantage of the most affordable purpose-built student accommodation in the city while undertaking a world-class education and making friends for life.



### ELMS BT1 AND BT2

City centre, close to city retail areas, cafes and restaurants.

Single en suite bedrooms in three-six-bed apartments and studios.

15 minutes walk to campus

Less than five minutes from city centre

From £130pw

Brand new!

### QUEEN'S HOUSES

76 Malone Road, College Gardens, Mount Charles Guthrie House

In the heart of Belfast's most ethnically-diverse and culturally-rich areas.

Twin rooms, standard, double, premium and en suite rooms. (Please note, 76 Malone Road is reserved for students from outside Northern Ireland).

5-10 minutes walk to campus

10-20 minutes walk to city centre

From £75pw

Best for independent living

### GRANT HOUSE

Standard premium rooms

10 minutes walk to campus

20 minute walk to City Centre

From £110pw

No-alcohol accommodation

### WILLOW WALK

Studios, one to four bed apartments and two-bed premium apartments (family apartments available)

Enclosed development, on the perimeter of Elms BT9

Purpose-built, ideal for international and postgraduate students

15 minutes walk to campus

25 minutes walk to city centre

From £125pw

Safe and welcoming!

### ELMS BT9

Standard, premium and majority (70%) en suite rooms

Residential (modern, comfortable and secure)

50 three-storeyed purpose-built blocks; 10-11 bedrooms per floor with shared common room and kitchen

Quiet living, no alcohol and single sex options

15 minutes walk to campus

25 minutes walk to city centre

From £100pw



## NO HIDDEN CHARGES

Our all-inclusive residential fees include all utility bills (electricity, heating and hot water), contents insurance, maintenance repairs, TV licence for communal areas, weekly clean of communal areas and high speed broadband with high speed Wi-Fi throughout all accommodation. For your convenience we also have a variety of payment plans to help you decide which best suits your situation.

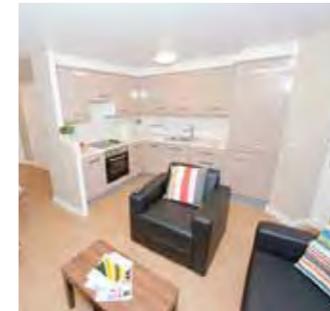
### WHAT'S INCLUDED?

- All-inclusive fees.
- Free off-peak Queen's Sport membership access for all Queen's Accommodation students.
- Student common lounge with games tables and a free tea and coffee lounge.
- Rooms available for private, group study or society meetings.
- Reception open 7 days per week.
- 24/7 Safety Team.
- Residential Life team provide pastoral support, organise trips and social events.
- Contents insurance included free of charge.
- Full maintenance support 7 days a week.
- Complimentary cleaning of communal areas.
- Parcel post system: You get an email notification when your parcel arrives.
- Letter post is sorted to your apartment post box (Elms BT1 and BT2 only).
- Laundry (small charge) with useful app showing availability and time left in your wash/dry cycle.
- Super-fast wired internet and Wi-Fi.



Students from outside Northern Ireland are guaranteed a place in Queen's Accommodation!

Read the full Allocation Policy on the Queen's Accommodation website.



## SAFE AND SOCIAL

Accommodation is offered on a self-catering basis and our campus communities are designed to make you feel at home and help you make friends. From the moment you arrive, we'll do what we can to manage and support your living needs. This includes a Residential Life programme which features events and pastoral care, 24/7 safety and security, as well as maintenance support. Our Residential Life Coordinators also offer support, help and guidance on settling into student life in Belfast.

## HOW TO APPLY FOR ACCOMMODATION

Register online and complete an application form as soon as you have received a conditional or unconditional offer to study at Queen's. Information on how to apply will be sent automatically to all offer holders and you are advised to apply even if Queen's is your insurance choice.

Applications open in January 2019.

## AFFORDABLE PRIVATE RENTALS

If you decide to move on from Queen's Accommodation, there are a range of student rental options in the city – all within walking distance of campus. What's more, as Belfast has the lowest student rent in the UK\*, you're sure to find something to suit your budget. The website [nihestudentpad.co.uk](http://nihestudentpad.co.uk) is recommended by the Students' Union to help students search for private rental accommodation.

\*Natwest Student Living Index 2017

## FIND OUT MORE

T: +44 (0)28 9097 4525

w: [stayatqueens.com](http://stayatqueens.com)

# EXPLORE OUR WORLD-CLASS FACILITIES



90% student satisfaction score  
for library resources  
National Student Survey 2017



The Computer Science Building



The Graduate School

The Main Site Tower



The McClay Library



Joint 2nd in the UK for  
university facilities  
Times Higher Education Student  
Experience Survey 2017

Step inside your £700million classroom. You'll benefit from substantial investment in our teaching facilities that has developed our historic campus into an innovative learning environment for our exceptional students and staff.

## OUR EVER-EVOLVING CAMPUS

The new £20million School of Law, including a Moot Court Room, and The Herbert Smith Freehills Student Hub, exemplifies Queen's commitment to the future-thinking needs of its students. Further along the campus skyline, the exciting new facilities and space in the colourfully redeveloped Computer Science Building marks our recognition of the importance of this subject to the global market. It features computer labs, project spaces, breakout rooms and a three-floor Student Hub.

## BOARD THE 'STARSHIP FOR SCHOLARS'

Designed by the same architects behind the libraries at Yale and Harvard, its little wonder Nobel laureate Seamus Heaney dubbed the McClay Library a 'starship for our scholars.' Blending the best features of a traditional library with the latest smart technology, you'll have access to extensive book and journal collections, reader spaces, temperature-controlled computer workstations and group study rooms.



The Lanyon Building

## NEW STUDENT HUBS

The School of Biological Sciences is spread over five floors and is designed around a central atrium which acts as a social hub, while we're also giving the School of Mathematics and Physics a new home, featuring a dedicated space for teaching, with new lecture and group-study rooms, a student social area, computer facilities and a state-of-the-art Physics laboratory. The new Wellcome-Wolfson Building (Institute for Experimental Medicine) is located next to the Centre for Cancer Research and Cell Biology (CCRCB) and is designed to enhance its internationally-recognised excellence in education and research.

## A CONNECTED CAMPUS

The Wireless Campus Project is a £1.93m investment programme providing a world-class service of connectivity across the University through more than 2,000 access points. It enables you to have anytime, anywhere access to the resources you need.

## SUPPORTING LANGUAGE LEARNING

Our Language Centre provides you with the opportunity to acquire skills in a foreign language and improve your career prospects through our advanced multimedia facilities.

## OUR NEW STUDENT CENTRE

Plans are underway to build a world-class Student Centre, including a new Students' Union facility that will significantly enhance the Queen's student experience. The new centre is due to open in September 2021 and will consolidate all student services under one roof, alongside a vibrant new Students' Union facility, and will create a 'heartbeat' for life on campus.



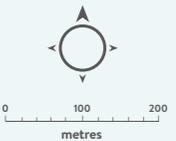
We're among the top 10 Most  
Beautiful Universities in the UK

Times Higher Education World  
University Rankings, 2017

# CAMPUS MAP



- KEY**
- ROAD/PATHS
  - BUILDINGS
  - FACULTY OFFICES
  - SCHOOL OFFICES
  - GLOBAL RESEARCH INSTITUTES
  - LOCATION
  - CAFÉ/RESTAURANT
  - UNIVERSITY ACCOMMODATION
  - CRÈCHES



SCAN FOR INTERACTIVE CAMPUS MAP



## FACULTY OFFICES

Art, Humanities and Social Sciences  
 Engineering and Physical Sciences  
 Medicine, Health and Life Sciences

X1  
 X2  
 X3

## SCHOOL OFFICES

Arts, English and Languages  
 Biological Sciences  
 Chemistry and Chemical Engineering  
 Electronics, Electrical Engineering  
 Computer Sciences  
 History, Anthropology, Philosophy and Politics  
 Law  
 Mathematics and Physics  
 Mechanical and Aerospace Engineering  
 Medicine, Dentistry and Biomedical Sciences  
 Natural and Built Environment  
 Nursing and Midwifery  
 Pharmacy  
 Psychology  
 Queen's Management School  
 Social Sciences, Education and Social Work

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## GLOBAL RESEARCH INSTITUTES

The Senator George J Mitchell Institute for Global Peace, Security and Justice  
 The William J Clinton Leadership Institute  
 The Institute for Global Food Security

G  
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 U

The Institute of Electronics, Communications and Information Technology (**Titanic Quarter, not shown**)  
 The Institute of Health Sciences

## LOCATION

Academic and Student Affairs  
 Administration Building  
 Ashby Building  
 Canada Room/Council Chamber  
 Careers, Employability and Skills  
 Centre for Cancer Research and Cell Biology (CCRCB)  
 Chrono Centre  
 Clinical Research Facility  
 Computer Science  
 Counselling Service  
 David Bates Building  
 David Keir Building  
 Development and Alumni Relations  
 Disability Services  
 Drama and Film Centre at Queen's  
 Dunluce Health Centre  
 Elms BT9  
 Elms BT1 and Elms BT2 (not shown)  
 Elmwood Building  
 Elmwood Hall  
 Estates  
 Finance  
 Graduate School  
 Great Hall  
 Harty Room  
 Health Sciences Building  
 Human Resources  
 Information Services  
 Institute of Professional Legal Studies (IPLS)

International Office  
 INTO Queen's  
 Jobshop  
 Lanyon Building  
 Main Site Tower  
 Marketing, Recruitment, Communications and Internationalisation  
 McClay Research Centre  
 Medical Biology Centre (MBC)  
 Naughton Gallery at Queen's  
 New Physics Building  
 Northern Ireland Technology Centre (NITC)  
 Occupational Health and Safety Services  
 Old Physics Building  
 Peter Froggatt Centre (PFC)  
 Pharmacy Building  
 Physical Education Centre (PEC)  
 Queen's Film Theatre (QFT)  
 Registrar and Chief Operating Officer  
 Research and Enterprise  
 Riddell Hall  
 Sonic Arts Research Centre (SARC)  
 South Dining Hall  
 Student Guidance Centre  
 Student Plus  
 Students' Union  
 The McClay Library  
 University Health Centre  
 Vice-Chancellor's Office  
 Welcome Centre  
 Whitla Hall  
 Whitla Medical Building  
 Wellcome-Wolfson Institute for Experimental Medicine

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# THE QUEEN'S QUARTER: THE BEST OF STUDENT LIFE



The cultural quarter surrounding our campus is the most vibrant district of Belfast – a 600-plus acre urban village which is self-contained yet well connected to the city centre via a ten-minute bus ride. Here, you'll find everything you need to enjoy a unique student experience, from hot-ticket cultural events and party nights to international festivals and world cuisine worth queuing for.



## A COSMOPOLITAN COMMUNITY

Our friendly and welcoming student community and buzzing entertainment scene offers a ready-made social life from the day you arrive. From classical concerts at the Whitla Hall to legendary club nights, not to mention pub quizzes, poetry readings and comedy nights, Queen's Quarter is bursting with entertainment venues that attract the best from the worlds of theatre, dance, music, film, arts and literature. It's no wonder our venues feature hotly in the calendar of both the Belfast International Arts Festival and the Belfast Film Festival.

## AN ART-LOVER'S PARADISE

The University is home to the renowned visual arts platform, the Naughton Gallery, the Seamus Heaney Centre for Poetry and the Brian Friel Centre for Theatre. We even have our own boutique cinema, the QFT (Queen's Film Theatre), presenting the best in classic and new world cinema.

Some of our favourite spots near campus include the Ulster Museum (don't miss their awesome science evenings, where you can experiment over cocktails); the infamously rowdy comedy nights at The Belfast Empire Music Hall, and the Lyric Theatre, where you might just catch a glimpse of current patron and Queen's alumni Liam Neeson. (Pst! The coffee shop alone is worth a visit for the superb panoramic views over the River Lagan).

## A MULTICULTURAL AND CREATIVE HUB

There is an incredible range of cafés, bistros and restaurants dotted around the University's bohemian surroundings, catering to all tastes and budgets. In the space of 400 metres along Botanic Avenue, you can sample food from Japan, Korea, Nepal, China, the Middle East, India, Italy, Mexico and, of course, Northern Ireland – all washed down with home-grown craft beers.

You'll also find quirky vintage and pre-loved shopping, and the famed No Alibis indie bookstore, while the Fine & Dandy Sunday market in the Crescent Arts Centre is a creative hub for independent artists, designers, illustrators and crafters.

## GREEN SPACES AND URBAN PARKS

A short hop from the bustling streetscape of Botanic Avenue is the lush foliage of Botanic Gardens, a beautiful city park where you can find some headspace in the Palm House or the Tropical Ravine.

In fact, you'll be surprised to find just how accessible natural solitude is from Queen's: the nearby Lagan Towpath offers an unspoilt stretch of riverbank with forest walks and meadows that feel a world away from our bustling campus.

# A-Z OF BELFAST

Your bite-sized guide to student life in the city.

## CULTURE

A capital with a culture of its own, immerse yourself in the best of Belfast's clubs, cuisine, culture and arts.



## AFFORDABLE

Belfast has the lowest cost of living\* - 28 per cent lower than in London (Numbeo, 2015) - and the lowest student rent (NatWest Student Living Index 2017) of any city in the UK.



## BLACK BOX

Belfast is a city of artists, poets, writers and musicians who are celebrated in arts venues, such as the MAC and the Black Box.



## ENTERTAINMENT

Throughout the year, Belfast hosts a range of events and urban festivals running the gamut from music, theatre, dance, film and comedy. Highlights include Culture Night and Belfast Vital Festival.



## FOODIE PARADISE

Food is a big deal in Belfast with a mix of cool new pop-ups and Michelin-starred staples. The city was recently voted the Top Place to Travel for Food (National Geographic 2016).



\*Belfast has the lowest cost of living in the UK (Mercer 2016)

## GATEWAY

Belfast is the gateway to the rest of Northern Ireland and beyond and has been lauded by Michael Palin for having the world's most beautiful railway. From coastline to mountain, adventure awaits you.



## DINOSAURS

The collections in the Ulster Museum include dinosaurs, historical artefacts, works of art, and an Egyptian mummy.

## HOLLYWOOD HOTSPOT

Northern Ireland and the Titanic Studios have become internationally renowned as a film location, most famously for HBO's *Game of Thrones*.



## IN THE NEWS

Belfast is one of the UK's most buzzed-about cities and was recently voted the Number One Region in the World by Lonely Planet.



## JOKES

A city famed for its humour, you can catch regular stand-up comedy nights at Belfast's Empire Comedy Club, where Queen's alumnus Paddy Kiely's career began.



Top Place to Travel for Food (National Geographic 2016)



## KREMLIN

Belfast's famed Soviet-style nightclub, with a reputation as the best gay venue in Ireland.

## LINEN QUARTER

Just south of the City Hall, a mix of bars and cool eateries occupy the buildings of the old linen mills.

## MUSIC

From the punk scene in the 70s to the MTV Europe Music Awards in 2011 via traditional folk sessions, Belfast has passionately embraced the uniting power of music.



## NIGHTLIFE

The cobbled streets and fascinating architecture of the Cathedral Quarter play host to the city's best bars and clubs.



## OH YEAH MUSIC CENTRE

A networking centre for bands and creative types and a safe house for musos and rockers.



## POLITICAL MURALS

Belfast is famous for street art, and today, a new generation of contemporary artists are reclaiming the city's walls.



## QUEEN'S QUARTER

One of the most ethnically-diverse and culturally-rich parts of Northern Ireland (see page 38).

## RESTAURANTS

The city is brimming with great restaurants, thriving urban cafés and craft breweries.

Northern Ireland is the happiest place in the UK (Office of National Statistics, 2016)



## STALLS

St George's Market is the centre of Belfast's booming gourmet scene. You'll also find whimsical arts and crafts stalls.



## TITANIC QUARTER

A sleek urban development that houses Titanic Belfast, the World's Best Visitor Attraction (World Travel Awards 2016), alongside the city's booming tech and film industries.



## UNDER DEVELOPMENT

A host of exciting new developments are underway around the city including the Grand Central Hotel in the former Windsor House offices and the George Best Hotel, while Marriott is set to take on the City Quays hotel project.

## VICTORIA SQUARE

The epicentre of retail therapy in the city centre, Victoria Square hosts House of Fraser, Belfast's Apple store, Topshop, Hollister, Superdry, Ted Baker and many other big brands under its striking glass dome.



## WATERFRONT

The city's cultural landscape is amplified by large-scale entertainment venues and concert halls such as the Waterfront Hall, as well as by a subculture of effortlessly cool independent music and arts venues.



## XENIA

Belfast is a city with real personality and is famed for having the friendliest and most welcoming folk in the world.



## YACHTS

Tourists are setting sail for Belfast: 120 cruise ships are expected in Belfast in 2018, while a 40-berth marina located in the heart of Belfast's Titanic Quarter hosts the Belfast Tall Ships Festival.

Belfast: number one region in the world (Lonely Planet, 2017)



## ZERO BELFAST BIKES

Belfast is a compact city and easily explored on foot or by bike. Grab a Coca Cola Zero Belfast Bike from the Queen's campus – you can drop it off later at any number of bays around the city.



# NORTHERN IRELAND: OUTDOOR ADVENTURE

Whether you're on a pilgrimage to the famous *Game of Thrones* filming locations or you fancy exploring caves, castles and coastline, you'll find it all within an hour's drive of Belfast.

The Dark Hedges

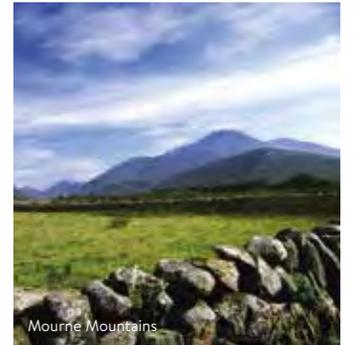


Carrick-a-Rede rope bridge

The world is catching on to the secret that locals have always known: Northern Ireland is one of the most beautiful places on the planet. Just ask the experts at Lonely Planet who recently lauded Belfast and the Causeway Coast as the number one region in the world (2017). From golden beaches to lush forests, as a student in Belfast, the region's most breath-taking landscapes will be right on your doorstep.

Spend your downtime testing your nerve crossing the death-defying Carrick-a-Rede rope bridge. Alternatively, scale the heights of our tallest peak, Slieve Donard, set in the picturesque Mourne Mountains – an Area of Outstanding Natural Beauty and the inspiration for C.S. Lewis' magical world of Narnia.

You can also follow the 22-mile Mourne Wall, featured in *Game of Thrones*. And if you're a fan of the hit HBO show, you can't afford to miss a trip to the Dark Hedges. This twisted avenue of light and shade is one of Northern Ireland's most photographed natural phenomena, and doubles as the King's Road in the series.



Mourne Mountains



Marble Arch

Well worth the road trip for the spectacular Antrim Coast Road drive alone, the Giant's Causeway, a UNESCO World Heritage Site, is a must. While there are also plenty of stunning beaches to enjoy a lazy Sunday walk – some just 25 minutes from Belfast.

If adrenaline thrills are your thing, the lakes, waterways and beaches of the region offer outdoor fun to suit everyone - from Sea Safaris on Strangford Lough, where you might spot seals, porpoises or a basking shark, to the north Atlantic surf off the coast at Portrush, ranked among the best in the world.

#### ADRENALINE JUNKIES!

- Ireland's longest zipline in Ballygawley hangs 50 metres above the ground and is a staggering 500m long. [toddsleap.com](http://toddsleap.com)
- Try stand up paddle boarding at River Roe in Limavady with the mighty Binevenagh mountain as a backdrop. [longlinesurfschool.co.uk](http://longlinesurfschool.co.uk)
- Wet bouldering in the Mourne Mountains involves walking, scrambling, jumping, swimming and sometimes crawling along a river. [onegreatadventure.com](http://onegreatadventure.com)
- From downhill zorbing inside a giant inflatable PVC ball to mountain biking and raft building challenges, expect laughs and adrenaline thrills at Jungle NI in the rolling Sperrin Mountains. [thejungleni.com](http://thejungleni.com)

#### FURTHER INFORMATION

Have we whetted your appetite? Visit [discovernorthernireland.com](http://discovernorthernireland.com) to explore more of your new home.



The Giants Causeway



Jungle NI



Portrush Strand

# GETTING HERE

Belfast, as the capital of Northern Ireland, is connected to the rest of the UK, Ireland and Europe by sea, road, and air.

#### BY BOAT

Fast ferry services including Stena Line and P&O Ferries make multiple daily crossings from Northern Ireland to ports in Scotland and England. The two main Belfast routes are from Liverpool and Cairnryan, both provided by Stena Line. An alternative route runs from Holyhead to Dublin, with excellent motorway connections between there and Belfast.

#### BY ROAD

Queen's is located in south central Belfast and as such is close to both Northern Ireland's main motorways, connecting it easily with the rest of Ireland.

#### BY BUS AND TRAIN

Queen's is a five-minute walk from Botanic Train Station on the Bangor, Larne, Newry and Derry-Londonderry lines. A connection to Dublin is just one stop away, via Belfast Central Station. Coach and bus services arrive at Great Victoria Street, which is also connected by rail.

#### BY PLANE

Belfast is served by two airports: George Best Belfast City Airport and Belfast International Airport which are both linked to the city by regular bus services. Dublin International Airport is located approximately 100 miles to the south.



1  
hour's flying  
time to all  
major UK cities

58  
direct flight  
destinations from  
Belfast to UK, Europe  
and the USA.

99  
cross-channel  
sailings each  
week.

2  
airports in Belfast,  
Dublin airport only  
90 mins away.

# STEPS TO UNIVERSITY

We want to make your journey to becoming a student at Queen's as easy as possible for you. In the following section, we'll tell you all you need to know about the application process, your funding options and meeting our entrance requirements to make sure you're suitably prepared for your course

at Queen's. We'll also let you know about key events like our Open Day, which allows you to get a sense of what life at Queen's is really like, as well as our offer holder events, which give you a chance to find out more about the courses that interest you.

1

## CHECK OUT OUR OPTIONS

You may have a set career in mind – so start by looking at what courses are the best for you. But if you don't know just yet, that's fine. In that case we suggest you find something you want to study. Remember that all Queen's degrees have our dedication to graduate employability built in!

2

## COME TO OUR OPEN DAYS

There's no better way to get a feel for Queen's than by coming to see us. Open Days are your best bet – you'll be able to see the campus, our accommodation, our Students' Union and our study facilities, but also speak to lecturers and current students about what it's really like to live and study here.

\* If you can't make any of our Open Days, we'd be happy to arrange a campus visit for you – just get in touch.

3

## APPLY

If you want to study here – and we hope you do – then apply via UCAS from September 2018\*.

\*See page 86 on 'How to apply'.

4

## COME TO OUR OFFER HOLDER EVENTS

After you've received an offer to study here, we'll invite you to one of our offer holder-only events, where you'll meet Queen's people and chat about your course/courses of interest.

5

## ACCEPT YOUR OFFER

Accept your offer by making Queen's your firm choice. You won't regret it – just ask our current students!

6

## APPLY FOR ACCOMMODATION

Remember that if you're from outside Northern Ireland, we guarantee your place in our dedicated student accommodation – your home from home for at least your first year. The online application opens in January 2019. See pages 30-33 for details.

7

## RESULTS

The most nerve-wracking stage – your exams may be a distant memory, but the Big Day is here. We wish you all luck – and if you get the results you need, then we'll see you soon.

8

## WELCOME TO QUEEN'S

You'll register for your course in September 2019. For your first while, we'll extend the famously warm Northern Ireland welcome through informal workshops, parties, quizzes and other fun events – just to help break the ice and make settling in that bit easier. And Freshers' Week, before classes start, is your chance to find out about all the clubs, societies and extras that launch you into your new life, and of course to make friends, relax and enjoy yourself!

# MAKE THE MOST OF STUDYING AT QUEEN'S

## CHOOSING YOUR SUBJECTS

For a typical three-year degree (also known as a programme) you will take the equivalent of six Level 1 modules at Stage 1, followed by the equivalent of 12 modules at Stages 2 and 3, with your choice of module governed by the requirements of the degree; and provided that:

1. You meet the necessary criteria (if there are any) to take the modules
2. It is possible to timetable both classes and examinations for the chosen combination of modules
3. There is a place available in the class

However, you need to be aware that admission to some high-demand subjects at Stage 1 or Stage 2 may be restricted to those who have applied for and been accepted into those courses through UCAS.

Many students will wish to follow degree programmes where the choice of modules is more limited – e.g. Medicine, Dentistry, Nursing, Law, Engineering, and Accounting – because of the needs of the professions concerned.

In some academic areas you may be able to study for a Joint Honours Degree (equal numbers of modules in two different subjects). Check in the Course Requirements section from page 61 to find out where this is possible. Please see pages 56-57 for more information.

## STUDYING FOR A DEGREE/ THE MODULAR SYSTEM

The academic year is divided into two semesters and also includes an assessment period and a development period. Assessment and development activities also take place during the semesters.

Most degree courses consist of the equivalent of 18 modules, normally taken over a period of three years (three

Stages). Full-time students take the equivalent of six modules each year, with choice governed by content of the degree course. Modules may be either semester-long or year-long. Some subject areas offer opportunity to study abroad as part of the Erasmus or other exchange programmes (see also page 16).

A number of degree courses are more than three years in duration (see Course Requirements section), because they include a work placement or a year abroad. Some subject areas offer extended undergraduate degree courses (e.g. the MEng four-year degree).

## ADVICE AND SUPPORT

You will receive a Welcome Pack by post which will contain registration information. Students will also receive information regarding Welcome activities and the Vice-Chancellor's Welcome event for students and parents.

A Personal Tutor will be assigned to you when you enrol. He or she will meet with you and will be available to support you in your general academic development during both Stages 1 and 2. Personal Tutors are also able to signpost centralised support services that are available and relevant to you in the Student Guidance Centre. Should you encounter an academic or other difficulty that could affect your academic performance, you are encouraged to talk to your Personal Tutor and the relevant subject lecturer about this. If they cannot assist you, the Personal Tutor will be able to refer you to someone who can. As you progress through your course, your Personal Tutor will also encourage you to participate in extracurricular activities, such as Degree Plus, designed to enhance your employability and add value to your Queen's experience.

For your career and employability development you will find guidance information on the careers website

([qub.ac.uk/careers](http://qub.ac.uk/careers)) and a range of opportunities and activity to get you involved, advertised on the student portal MyFuture ([qub.ac.uk/myfuture](http://qub.ac.uk/myfuture)). These services are provided by the Careers, Employability and Skills staff which includes careers consultants, who work with your schools and who you will meet through employability workshops and programmes as well as one-to-one career guidance consultations, most of which takes place in the Student Guidance Centre.

You will also be allocated an Adviser of Studies who will support and guide you in making module choices and in discussing other formal issues relating to your academic progress.

For further details about modules, consult the Course Catalogue at [qsiscat.qub.ac.uk](http://qsiscat.qub.ac.uk)

Each module will involve assessment and this may be spread throughout each semester – assignments, essays, practical reports, projects, etc. Examinations, if required, are normally held during the assessment period towards the end of the second semester, although a small number of programmes will have examinations at different points in the year depending on accrediting or professional body requirements.

## STUDENT CHARTER

University life is built on a real partnership between students and staff working together to ensure an outstanding educational and transformative experience.

The Student Charter sets out what you as a student can expect of the University and in return, what would be expected of you. It enables an environment where those expectations can be met and your ambitions realised. [go.qub.ac.uk/StudentCharter](http://go.qub.ac.uk/StudentCharter)

## TEACHING, LEARNING AND ASSESSMENT

You may find that the approach to learning, teaching and assessment at university is different from that experienced at school or college. You should make use of the opportunities and support available to help you to make this transition and to gain the best degree you can. There is an increasing use of technology to support learning, teaching and assessment throughout the University, enabling you to follow up, in your own time, topics and ideas introduced in lectures. As such the university promotes innovative methods of teaching and assessment to enhance the quality of your learning experience.

Teaching and learning on campus, as well as in a virtual environment, can take a number of different formats: lectures, tutorials, seminars, practical instruction and laboratory sessions can all play a part in your learning. Practical instruction, laboratory and fieldwork are normally associated with science and engineering related subjects, while the creative arts may provide opportunities for students to take part in performances and use industry-related equipment. Small groups will usually meet regularly with a tutor to discuss their subject, their work and opinions in depth. This will encourage you to share and 'test' your knowledge – i.e. checking the relevance of your reading and the basis of your arguments. The University places considerable emphasis on teaching informed by research of national and international standing as part of this learning process.

Each of your modules will involve assessment – assignments, essays, practical reports, presentations, projects, examinations, and so on. You will get feedback on academic work from your lecturer or from other students. This feedback is designed to help you reflect on, and improve, the quality of your work. If you need help to improve your academic skills, contact the Learning Development

Service for support and guidance. Please visit: [go.qub.ac.uk/studentguidance](http://go.qub.ac.uk/studentguidance)

The University is committed to ensuring

that students not only graduate with a good degree, but also develop a range of transferable skills necessary for challenging and successful careers. Courses are therefore structured to help you realise your full potential and provide opportunities for you to develop skills in critical analysis, communication, digital literacy, team working and time management. Social responsibility and global perspectives are fostered within and beyond the curriculum.

Queen's has strong links with many companies and organisations in the private, public and voluntary sectors, and through the MyFuture careers management system advertises to students a wide range of graduate jobs, placements, internships, skills sessions, careers events and employer presentations. For further details visit: [qub.ac.uk/myfuture](http://qub.ac.uk/myfuture)

The Science Shop provides opportunities for students from all University departments to engage in career-enhancing projects with non-profit organisations through their course. Visit [go.qub.ac.uk/scishop](http://go.qub.ac.uk/scishop)

The University offers many models of placement learning ranging from one week to a year in length and these reflect the diversity of degree programmes available. Some may include work abroad. Opportunities also exist to study for a semester or a year abroad under international exchange schemes.

Students are encouraged to enrich their Queen's experience by taking part in the University's extracurricular programme that includes involvement in clubs and societies, part-time work, volunteering, student ambassador roles, peer mentoring, vacation employment, careers programmes, language courses, international opportunities and entrepreneurial activities.

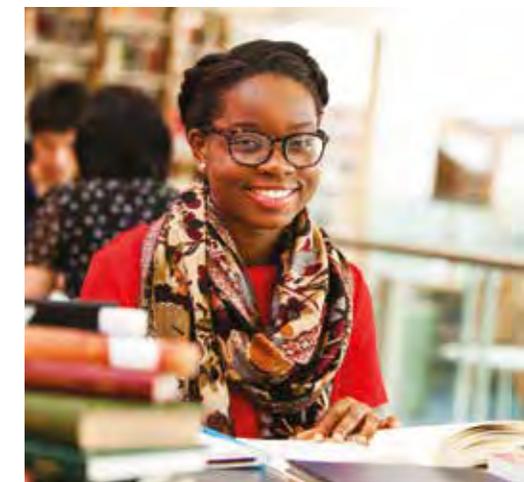
These contribute to the Degree Plus Award ([qub.ac.uk/degreeplus](http://qub.ac.uk/degreeplus)), which has been designed to enhance your employability through the recognition and evidence of your extracurricular achievements. Your academic and extracurricular achievements will be formally recorded by the

University on your Higher Education Achievement Record (HEAR).

Development Weeks are a new addition to the academic year and are a concentrated period for you to have time and space outside the academic timetable to develop extracurricular learning.

This period of learning is supported by Degree Plus accreditation. It is also an opportunity for students to create activity and share this with their peers. Student-led activity is both funded and accredited. The Development Weeks website has further details on how this initiative is evolving at [go.qub.ac.uk/developmentweeks](http://go.qub.ac.uk/developmentweeks)

Make use of the opportunities available – the more you get involved, the better your Queen's experience will become.



# SCHOLARSHIPS

Queen's believes in rewarding hard work and excellence. Each year, we offer a range of scholarships and prizes for new students. Our fantastic scholarship opportunities can help ease financial stress and enable you to achieve your academic ambitions. Most of all, a prestigious Queen's Scholarship is a reward in itself; recognising student excellence within a top Russell Group university.

For students enrolling in 2019-20, awards include:

## MERIT SCHOLARSHIPS

### Queen's University Entrance Scholarships

All students entering the University for the first time to undertake a primary degree, and who have achieved at least three A grades at A-level (including AVCEs), are eligible to enter the University's annual A-level Entrance Scholarship Competition. A number of scholarships are available varying from £600 to £2,400. See [go.qub.ac.uk/ug-scholarships](http://go.qub.ac.uk/ug-scholarships) for more information. Awards are subject to funding availability.

### Undergraduate Scholarships for Students from England, Scotland, Wales, the Channel Islands and the Isle of Man

#### Scholarships up to £7,500!\*\*

A generous £2,500 per year (£1,750 plus benefits, see box out) is available for eligible students\* achieving AAB at A-level or the equivalent in other qualifications. Those who achieve ABB at A-level or the equivalent in other qualifications will receive £1,750 per year (£1,000 plus benefits), while students who satisfy the conditions of their offer will qualify for a £1,250 scholarship (£500 plus benefits).

\*To be eligible students must make Queen's their Firm choice. Scholarships are offered for the full duration of your undergraduate course.

\*\*£2,500 per year for eligible Students from England, Scotland, Wales, the Channel Islands and the Isle of Man achieving AAB

## LLOYDS SCHOLARS

Together Queen's University and Lloyds Banking Group are offering this unique means-tested programme, supporting young people in their academic and vocational development. Lloyds Scholars offers a complete financial and support package including annual bursaries; paid internships; cash awards; a business mentor; and the opportunity to develop employability skills. Applications open in May each year. For more information contact [LloydsScholars@qub.ac.uk](mailto:LloydsScholars@qub.ac.uk), you can also register your interest at [lloyds-scholars.com](http://lloyds-scholars.com).

## ACCOMMODATION AND LIFESTYLE BENEFITS

We offer a scholarship option with accommodation and lifestyle benefits to make the transition to university life easier for students coming from other parts of the UK. These include three flights home each year, free shipping of luggage (up to 40kg) in the first year, as well as a free movie pass, free off-peak Queen's Sport membership, a free upgrade to ensuite accommodation and free bedding in Elms Village in first year.

## SPORT SCHOLARSHIPS

### Sports Bursary and Academy Scholarship Awards

Available to current students who have achieved a high standard in their particular sport, these awards include sports science support, free use of facilities, free equipment and financial assistance. There are over 100 Academy Scholarship places available each year.

### SPORTS BURSARIES

[go.qub.ac.uk/sportsbursaries](http://go.qub.ac.uk/sportsbursaries)

Applications will re-open on 1 July – 4 October 2019.

### ACADEMY SCHOLARSHIPS

[go.qub.ac.uk/academy-scholarships](http://go.qub.ac.uk/academy-scholarships)

Applications will open on 1 July – 4 October 2019.

### ELITE ATHLETE PROGRAMME

Our Elite Athlete Programme (EAP) provides students with a platform to achieve their sporting and academic goals. The programme places equal emphasis on academia and sporting ambition and offers benefits including academic planning, financial assistance towards fees and living costs, tutoring, media support, physiotherapy, access to Queen's Sport facilities and bespoke sports clothing.

### ELITE ATHLETE SCHOLARSHIPS

[go.qub.ac.uk/elite-athletes](http://go.qub.ac.uk/elite-athletes)

Applications open on Monday 3 September 2018 – Friday 1 March 2019 for 2019-20 entry.

Please note that terms and conditions apply for all our scholarships. Details are correct at time of print (January 2018). Please see website for further information.



# INTERNATIONAL SCHOLARSHIPS

Over £1.5 million of International Scholarships available!

AWARD	ELIGIBILITY	AMOUNT	APPLICATION PROCESS
<b>International Office Undergraduate Scholarship</b>	All new International students enrolling onto a full-time undergraduate programme (some exclusions apply)	Award of £2,500 (fee rate 1) or £3,000 (fee rate 2) on year 1 exclusively	No separate application required – apply to study at Queen's and you will be automatically assessed
<b>Vice-Chancellor's International Attainment Scholarship – Undergraduate</b>	Two new International students enrolling onto a full-time undergraduate programme (some exclusions apply)	Full tuition fees paid for all years of programme (max. 4 years)	Application required – apply online
<b>Loyalty Scholarship</b>	Exchange and Study Abroad students returning to study a full-time undergraduate programme at Queen's University	20% tuition fee reduction on year 1	Application required – apply online
OPEN TO ALL STUDENTS			
<b>Early Bird Reward</b>	All new International Students enrolling onto a full-time degree programme, who hold an unconditional offer, and who pay fees in full, by 30 June 2018 (some exclusions apply)	10% discount on gross fees - may be used in conjunction with other scholarships	No application necessary, automatically awarded to those who meet the criteria

International scholarships for 2019-20 had not been agreed at the time of publication. When these have been agreed they will be available at [go.qub.ac.uk/intlschol](http://go.qub.ac.uk/intlschol)

## FURTHER INFORMATION

[go.qub.ac.uk/ug-scholarships](http://go.qub.ac.uk/ug-scholarships)

[go.qub.ac.uk/intlschol](http://go.qub.ac.uk/intlschol)

[qub.ac.uk/schools](http://qub.ac.uk/schools)

[internationalships@qub.ac.uk](mailto:internationalships@qub.ac.uk)

# FEES AND FUNDING

## QUEEN'S TUITION FEES AND SUPPORT AVAILABLE

This section outlines the different tuition fee and student financial support arrangements for students from Northern Ireland, those from England, Scotland and Wales (Great Britain), and those from the rest of the European Union. Information for International students from outside of the European Union is available on page 55. Please visit: [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

Queen's works to ensure that all those who can benefit from a university education have the chance to do so, and a generous system of financial support is in place to help them.

Higher education funding arrangements mean that students can study now and pay later. Student fees can become part of a loan, available from the Student Loans Company (SLC) ([slc.co.uk](http://slc.co.uk)), which will be paid back when they are working and earning more than a certain amount. For current thresholds, please refer to: [slc.co.uk](http://slc.co.uk)

The tuition fees for undergraduate students, enrolling at Queen's in 2018-19, are set out below. For international fees, see next page.

- **Students who normally live in Northern Ireland (NI students)**  
Full-time undergraduate: £4,160
- **Students who normally live in England, Scotland and Wales (GB students)**  
Full-time undergraduate: £9,250
- **Students who normally live in the Republic of Ireland and other non-UK European countries (EU students)**  
Full-time undergraduate: £4,160

The tuition fees quoted are for study in 2018-19 only and will be subject to an inflationary uplift in subsequent academic years. For further details on residency please visit: [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

## TUITION FEE PAYMENT OPTIONS

A number of options are available to pay tuition fees. Students can either:

- Defer direct payment of fees by applying for a tuition fee loan from the SLC
- Sign up to a Direct Debit and make a minimum 25 per cent payment at enrolment, followed by three monthly payments, in November 2019, January and March 2020
- Pay the full tuition fee on enrolment, or
- A combination of fee loan and payment.

In such circumstances the payment can be made by Direct Debit.

Please note that 25 per cent of the tuition fee liability, due at enrolment, is non-refundable.

For full details of the University's Withdrawal Policy please visit: [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

## APPLYING FOR TUITION FEE LOANS AND SUPPORT

Eligible students, who first enrol in September 2019, can defer their fees by applying for a fee loan. Those who wish to take out a loan should complete the PN1 application online – for details please refer to the websites below. A single application is made for a tuition fee loan, maintenance loan and government grant. The household income details submitted will also be used in the assessment of a student's eligibility for a University bursary. Students are encouraged to apply as soon as possible to ensure that they are aware of their entitlement to financial support before starting their course.

For further information, please contact the relevant authority, as outlined:

**Students from Northern Ireland**  
[studentfinancenl.co.uk](http://studentfinancenl.co.uk)

**Students from England**  
[gov.uk/student-finance](http://gov.uk/student-finance)

**Students from Scotland**  
[saas.gov.uk](http://saas.gov.uk)

**Students from Wales**  
[studentfinancewales.co.uk](http://studentfinancewales.co.uk)

EU students are only entitled to take out a loan for tuition fees and are not eligible for UK Government grants or Queen's bursaries. If applying through UCAS, an application form will be sent at the time an offer is made. If not applying through UCAS, an application form can be obtained, together with further details about the support available, from:  
[gov.uk/student-finance-forms](http://gov.uk/student-finance-forms)  
or by phoning +44 (141) 243 3570.

## PAYING BY DIRECT DEBIT

A minimum amount of 25 per cent of full tuition fees must be paid at enrolment, with the balance being covered by Direct Debit payment, due at the end of November, January and March. The 25 per cent payment is non-refundable. The bank account holder must complete a Direct Debit mandate and return this to the Student Finance Office by early October 2019. The Direct Debit scheme is only available to those who have a current account with a UK bank, which is registered for the Direct Debit scheme.

## PAYING FULL FEES AT ENROLMENT

Tuition fees can be paid online via a student's Qsis Account, by credit/debit card, by bank transfer or by cheque. Cash payments are restricted to a maximum of £300 and can ONLY be made at the Student Finance Office.

For full terms and conditions of the payment options, please contact the Student Helpline on +44 (0)28 9097 3223. For further information, see [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)



## FAILURE TO PAY FEES

Failure to pay tuition fees, or make appropriate arrangements to pay tuition fees, by the relevant deadline, will result in the student being suspended. Students should note that, if registration has been suspended, they may not proceed to the next year/stage of their programme nor, if applicable, graduate until that debt is repaid.

## ADDITIONAL STUDENT FINANCIAL SUPPORT

### STUDENT SUPPORT FUND

The Student Support Fund is a discretionary fund, which provides financial assistance to students who encounter financial difficulty whilst studying at Queen's. To be eligible for an award from the Support Fund, undergraduates must have taken out the maximum tuition fee loan and maintenance loan to which they are entitled.

## INTERNATIONAL FEES AND LIVING COSTS

The tuition fee rates for non-EU students for the academic year 2018-19 are given in the next column in pounds sterling, with the approximate equivalent in US dollars. Please note that exchange rates may vary, and all fee payments must be made in pounds sterling.

## FEES – FULL-TIME UNDERGRADUATE

Courses 2018/19:

- Classroom-based courses (Fee rate 1): £15,550 (US \$20,485)
- Courses with a laboratory or workshop component (Fee rate 2): £19,500 (US \$25,696)
- Medicine: Pre-clinical years: £19,950 (US \$26,289)
- Clinical years: £37,695 (US \$49,672)
- Dentistry: £30,597 (US \$40,319)  
This fee is chargeable each year of the five-year BDS degree.
- Study Abroad: £6,795 (US \$8,898) per semester

*\*Approximate equivalencies are shown at the following rate (19 October 2017): US\$1.31773= £1*

Tuition fee rates for 2019-20 had not been agreed at the time of publication. When these have been agreed they will be available at [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

## PAYMENT OF TUITION FEES

All international students must fulfil financial arrangements at registration before commencing study at the University. The options available to pay tuition fees are:

- Pay the full tuition fee on enrolment, by credit/debit card, by bank transfer or by sterling cheque, or
- Sign up to a Direct Debit and make a minimum 25 per cent payment at enrolment, followed by three monthly

payments, in November 2019, January and March 2020. The Direct Debit scheme is only available to those who have a current account with a UK bank, which is registered for the Direct Debit scheme. Please note that 25 per cent of the tuition fee liability, due at enrolment, is non-refundable.

For full details of the University's Withdrawal Policy please refer to [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

## OTHER EXPENSES

For some courses, students are required to purchase instruments, equipment, or attend field trips. The funds required to cover such students' needs may exceed the above fees. Please note that the amounts suggested do not take account of funds to support any dependants.

### Further Information

Details above are correct at time of print (January 2018). Regular updates on tuition fees will be provided on the University website and direct to applicants.

All queries on the information provided above should be directed to the Student Helpline on +44 (0)28 9097 3223 or see [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

Student Finance Office  
Student Guidance Centre  
Queen's University Belfast  
Belfast, BT7 1NN.

A range of combinations are available, eg Anthropology and Spanish, Archaeology and History, Criminology and Sociology, Drama and English, French and Irish, History and Politics, International Studies and Spanish, Mathematics and Computer Science.

Joint Honours degrees allow you to study two different subjects alongside students on the Single Honours degrees. In each year of the degree you will normally study an equal amount of both subjects through a mix of core, optional and, in many cases, interdisciplinary modules. Students

will normally have the opportunity, and in some instances be required, to complete a dissertation in one of their chosen subjects. Placement opportunities also exist. Among the many attractions of a Joint Honours degree are:

- The option to study two subjects, one or more of which may be an entirely new area of study
- Developing a range of skills across more than one subject thus widening career options and increasing job opportunities

- Bringing perspectives from one subject to another
- Being able to demonstrate to employers flexibility as well as expertise in more than one subject.

Many of the Joint Honours degree combinations have dedicated prospectus entries. Others are listed under the degree subjects.

A number of combinations are offered as Major-Minor degrees (eg Economics with French; English with Creative Writing; Law with Politics). In these degrees, two-thirds of the study is dedicated to

the first named subject; the other third to the second subject).

Popular Joint degrees include:

- Law with Politics
- Economics and Accounting
- Economics with Finance
- French and Spanish
- English and History
- Drama and English
- History and Politics
- History and International Studies
- Anthropology and History
- Philosophy and Politics
- Criminology and Social Policy
- Criminology and Sociology

“As a Joint Honours student, I am lucky I get to experience the variety of two different subjects. I find that even within each subject there are a wide variety of topics. In French for example, I never expected to be learning about grammar, translation and the history of French cinema all at once. For me, studying is made more creative this way and really enjoyable as a result.”

Dominique Groves  
BA Joint Hons French and Politics

# JOINT HONOURS DEGREES

Many of the degree subjects offered at Queen's can be taken as part of a Joint Honours degree.

## Further Information

For the most up-to-date information on courses and entry requirements, please see our online Course Finder [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder)

# ADMISSIONS AND ENTRANCE REQUIREMENTS



If you are thinking about applying to Queen's you need to know about the General Entrance Requirement and the course requirements for the degree(s) of your choice.

## GENERAL ENTRANCE REQUIREMENT

The General Entrance Requirement can be satisfied in a number of ways as shown below. In all cases GCSE English Language at grade C/4, or an equivalent qualification acceptable to the University, must be offered. The University accepts Level 2 Essential Skills in Communication in lieu of a grade C/4 in GCSE English Language. Applicants whose first language is not English should refer to the section under the heading 'English language requirements for international students' since different requirements apply. Please note that the same subject cannot be counted at different levels in satisfying the General Entrance Requirement.

### 1. GCE/GCSE Qualifications

Passes in the General Certificate of Secondary Education or International General Certificate of Secondary Education (minimum grade C/4) and the General Certificate of Education (Advanced Level) as follows:

Either

a) Passes in at least five subjects, two of which should be at A-level

or

b) Passes in at least four subjects, three of which should be at A-level

A-level (Double Award) will be acceptable in place of two A-levels.

Two AS-levels will not be acceptable in place of one A-level in fulfilment of the General Entrance Requirement.

More detailed information is available from the Admissions and Access Service website: [qub.ac.uk/ado](http://qub.ac.uk/ado)

### 2. Scottish Highers and Advanced Highers

Passes in the Scottish Qualifications Certificate (Standard Grade (grades 1–3), Intermediate 2, National 5, Highers and Advanced Highers) as follows:

Either

a) Passes in at least five subjects, three of which should be at Higher level

or

b) Passes in at least four subjects, all of which should be at Higher level

See table on page 85 for guidance.

### 3. A BTEC Diploma/ National Diploma/ Extended Diploma/National Extended Diploma or Higher National Certificate/Diploma

Please refer to pages 84–85 for more detail.

### 4. An OCR Cambridge Technical Diploma or Extended Diploma

Please refer to page 84 for more detail.

### 5. The Welsh Baccalaureate Advanced Skills Challenge Certificate

Please refer to page 61 for more detail.

### 6. The International Baccalaureate (IB) Diploma Programme (DP)

See table on page 85 for guidance.

### 7. The Cambridge Pre-U Diploma

Please refer to page 85 for more detail.

### 8. The Irish Leaving Certificate

The General Entrance Requirement can be satisfied by passes in five subjects to include English, four of which should be at H5 grade.

### 9. The European Baccalaureate

Further information is available in the Undergraduate Admissions Policy 2018/2019 Entry (Appendix 2, Table 2) at: [qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy/](http://qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy/)

### 10. Home-educated applicants

The University considers home education as a valid alternative to an exam-centred school education and welcomes applications from such students. Applicants should note that they will be considered against the standard admission criteria of the course for which they are applying and will need to demonstrate that they meet the specified academic requirements of the course.

### 11. Recognition of Prior Learning (RPL)

The University operates a RPL scheme which includes experiential learning or prior certificated learning for both admission and credit purposes. This is available at [qub.ac.uk/directoratesAcademicAffairs/GeneralRegulations/ProceduresProceduresforRecognitionofPriorLearningRPL/](http://qub.ac.uk/directoratesAcademicAffairs/GeneralRegulations/ProceduresProceduresforRecognitionofPriorLearningRPL/)

### 12. Other qualifications deemed equivalent by the University

If you are taking qualifications which differ from those listed here, please contact the Admissions and Access Service for advice.

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## ENGLISH LANGUAGE REQUIREMENTS FOR INTERNATIONAL STUDENTS

One of the under-noted approved tests in English may be offered in place of GCSE English Language:

- i. i.GCSE English Language (including Speaking and Listening/Oral test) or a recognised overseas O-level English Language
- ii. Cambridge Proficiency (CPE)
- iii. Cambridge Advanced (CAE)
- iv. University of Cambridge International Examinations (CIE) GCE O-level English Language Syllabus 1119/1120 (with pass in Oral test) 1123/1125/1127/1128
- v. IELTS Academic Test
- vi. TOEFL iBT® (Internet-Based)
- vii. INTO English for University Study Test
- viii. INTO English Language Assessment (IELA)
- ix. Pearson Test of English (PTE) Academic™
- x. HKDSE – Hong Kong Diploma of Secondary Education
- xi. Trinity ISE III or IV Integrated Skills in English Examinations (with at least a Pass in all test components)

Further information on other acceptable English Language qualifications is available at [qub.ac.uk/International/International-students/Applying/English-language-requirements/](http://qub.ac.uk/International/International-students/Applying/English-language-requirements/)

Details of the English Language requirements for entry to each undergraduate degree programme can be found in the individual course descriptions.

Applicants who require a visa for study, and who intend to undertake a Pre-sessional English course prior to commencing their degree must hold a Secure English Language Test (SELT)

approved by UK Visas and Immigration (UKVI) – see [gov.uk/visas-immigration](http://gov.uk/visas-immigration)

## Recognised Subjects

All subjects set by recognised examination boards are, in principle, acceptable in fulfilment of the General Entrance Requirement. The University will take account of restrictions imposed by the examination boards and possible overlap between subjects. In considering applications from applicants, individual Schools or Faculties reserve the right to take account of the range, content and number of subjects being offered. A/AS-level General Studies and A-level Critical Thinking are not normally included as part of conditional offers.

The acceptability of a native language (where two different specifications are not available for those sitting it as a first or second language), taken in Year 13 or 14 (Year 12 or 13 in England and Wales), is considered on an individual basis. Applicants who require advice about the acceptability of any subject should contact the Admissions and Access Service ([admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)).

## POLICY STATEMENT ON QUALIFICATIONS REFORM ACROSS THE UK

The University recognises that qualifications reform across the UK, which is being introduced on a phased basis, will result in applicants presenting with different qualification profiles. Furthermore, we appreciate that the opportunities available to applicants will often be dependent on school/college policy.

Queen's has extensive experience of admitting students with a wide range of qualifications, many of which are non-modular (linear) in nature. Based on this, we would like to provide reassurance that we will continue to ensure that all applicants are treated fairly and are not disadvantaged by the reforms and decisions made by schools/colleges, as appropriate to their individual circumstances.

The following information represents our approach and this policy will be kept under review as further details become available. Please refer to our website at

[qub.ac.uk/ado](http://qub.ac.uk/ado) for the most up-to-date position.

## • AS/A-level Reform

A-level qualifications offered by the Examination Boards in Northern Ireland and Wales have the same structure as previously though the AS component of the A-level has a reduced weighting and we wish to confirm that the results obtained in linear and modular A-levels will be treated on the same basis.

Currently, in terms of selection for the most competitive courses, emphasis is placed on GCSE performance with AS-level results taken into account in borderline cases or where they are significantly better than the GCSEs and this will continue. We would encourage schools and colleges to outline what qualifications they offer to their students in the UCAS reference. This will inform our decision and allow us to use alternative factors in the selection process to ensure applicants, who have not undertaken any AS-levels at the time of application, are not disadvantaged.

The only programme where a fourth AS-level is necessary is Medicine and the Extended Project Qualification (EPQ) is acceptable in lieu. Where a school does not offer AS-levels or the EPQ, a lower grade in a fourth A-level will be acceptable.

For all other degree programmes, offers are made on the basis of three A-levels, though following release of results, additional qualifications may be taken into account in borderline cases, as at present. Those with a fourth AS/A-level or the EPQ may therefore be at an advantage.

## • GCSE Reform

A Grade C/4 in GCSE English Language (or equivalent, acceptable to the University) is a general entrance requirement and for a number of degree programmes, there are GCSE subject requirements at Grade C/4 or above. In addition GCSE performance may be used as part of the selection criteria when deciding whether or not to make an offer or in shortlisting for interview. In terms of the new 9-1 grading scale, the University will equate A\* to grades 8 and 9, A to grade 7, B to grade 6 and C to grade 4. These mappings will be kept under review.



The results obtained in linear and modular GCSEs will be treated on the same basis.

- A-level Science Practical

A pass in the practical element of the reformed Science A-levels from the English Awarding Bodies and Eduqas will be a requirement and this will be specified in offers.

Information can be found at [qub.ac.uk/ado](http://qub.ac.uk/ado) and this will be updated on a regular basis.

#### CRITERIA FOR OFFERS

The Prospectus is prepared well in advance of the academic year to which it relates. Therefore, the target grades stated here and in the A-Z of Degrees section are for guidance only. Please refer to the Course Finder on the University's website, which will have current grade requirements: [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder)

All applicants are considered individually on their merits and the full information on the application form, including the personal statement and reference, is taken into account.

Competition for places varies considerably between courses and it is to be expected, therefore, that the factors taken into account by individual Course Selectors differ. The following general points are likely to apply:

- Overall academic background and, in particular, performance at GCSE and/or AS-level or in the first year of BTEC/OCR Level 3, BTEC HNC Level 4/HND/Foundation Degree Level 5 or Access Course Level 3 qualifications is important, particularly for high-demand programmes. Predicted grades are not normally used, except in very borderline cases.

- Offers for repeat applicants, or for those who have taken an extra year to achieve the grades required, may be one grade higher overall for some subject areas. Course Selectors would not normally consider applicants who have had more than two attempts at obtaining the required qualifications for admission. Further restrictions may apply for high-demand courses.
- In the case of applicants who take qualifications a year earlier than is the norm, the grade(s) achieved will be taken into account in fulfilment of the target. The standard conditional offer is usually made with a note added to indicate that performance in the previous year will be counted.
- For students who have studied beyond A-level or equivalent, performance at this level will also be taken into account.
- In addition to academic criteria, interviews, admissions/aptitude tests, auditions, etc, form part of the selection process for some courses.
- Some Course Selectors may also take into consideration experience, motivation and commitment to the chosen course.
- Offers are made in terms of grades rather than UCAS Tariff points. This means that a minimum grade in any qualification may be specified. Offers will normally be made on the basis of three A-levels or acceptable equivalent in other qualifications. Additional subjects at AS/A-level may be taken into account in August in borderline cases.

Please note that Medicine requires three A-levels plus one AS-level (or acceptable alternative – see A-Z of degrees).

- Currently conditional offers will not be made in terms of grades in individual AS/A2 modules, however, this information may be used in a tie-break situation after the release of A-level results in August.
- An A\* grade at A-level may be specified as part of an alternative offer for a limited range of degree programmes, for example, A\* (Mathematics) AB or AAA (including Mathematics) at A-level for the MSci in Mathematics.
- Where applicants take AS-level examinations in their penultimate year, but do not certify their results, it is helpful if the equivalent grades are given in the academic reference or personal statement since performance in these may affect whether or not a conditional offer is made.
- Course Selectors, especially for the high-demand courses, may not equate the points score of two AS-levels to one A-level. In cases where a mixture of A and AS-levels is being offered, selectors are likely to ask for the higher grades in the A-level component rather than the AS component.

- In many cases, where degrees do not have specific subject requirements, GCE General and GCE Applied A-level qualifications may be interchangeable and there is generally no restriction on the number of Applied A-level subjects which can be offered. The exceptions are Medicine and Dentistry where a maximum of either one Applied A-level or one Applied AS-level may be offered.

- The University recognises the value of skills developed in the Extended Project Qualification (EPQ). For A-level applicants who decide to undertake the EPQ, this will be acceptable in place of the fourth AS-level subject for Medicine and will also be taken into account in lieu of an additional AS-level in August in borderline cases for all other degree programmes.

- The Welsh Baccalaureate Advanced Skills Challenge Certificate (WBASCC) is considered in lieu of an A-level (grades A\*–C) with the exception of Medicine and Dentistry (for Medicine the appropriate grade is accepted in place of the required AS-level).

- Key Skills and Certificate of Personal Effectiveness (COPE): the University acknowledges that development of transferable skills is an important aspect of both school and university education and students are encouraged to develop these whether or not it is through a formal qualification. While the University does not require them for any programme and they will not form part of the conditions of any offer, they may be used in a tie-break situation in August following the release of results.



## COURSE FINDER

Further details about selection procedures are available in the individual degree programmes listed at [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder) under 'Entry Requirements'. This includes a section on 'How we Choose our Students'.

#### A-LEVEL AND IRISH LEAVING CERTIFICATE ENTRANCE REQUIREMENTS

The A-level and Irish Leaving Certificate Course Requirements table lists all subjects that can be studied at Queen's, singly or in combination, as a significant part of a degree.

Column 1 gives a list of subjects in alphabetical order. Courses marked with a 'P' offer a placement option. Students taking the placement will have an additional year added to their course. Those participating normally receive remuneration.

Column 2 indicates the different weightings assigned to that subject as part of the final degree assessment:

S = Single Honours  
M = Major Honours (2/3 weighting)  
J = Joint Honours (1/2 weighting)

Column 3 gives the duration of the course. Courses involving the study of a foreign language as a Single, Major or Joint Honours subject require a year to be spent in the appropriate country (or countries, in the case of Joint Honours).

Columns 4 and 5 indicate the target grades in terms of A-levels and GCSEs and the Irish Leaving Certificate. These grades should be treated as a guide only, as variations can occur in certain circumstances. For example, offers for repeat applicants, or for those who have taken an extra year to achieve the grades required, may be higher for some subject areas. Where subjects are offered as Joint Honours, the entrance requirements are stated separately under each subject heading. Where an A-level Science subject is required it should be noted that a different range of subjects may be acceptable for individual courses.

Column 6 gives page references to Degree Subject section (for course content and other information).

#### Offers for International Students

As there are separate intake quotas, for some courses the entrance requirements for students from outside the European Union may be lower than those listed, depending on competition for places. Details are published in the International Prospectus available online at: [go.qub.ac.uk/prospectusdownload](http://go.qub.ac.uk/prospectusdownload)

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Accounting	BSc (Accounting) [S]	3	AAB + GCSE Mathematics grade B	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	
	BSc (Accounting) [S] with a language	4	AAB + GCSE Mathematics grade B. <ul style="list-style-type: none"> <li>For French option – normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language</li> <li>For Spanish option – normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language</li> </ul> Note: If the language is studied at a higher level then the grade required at that level must be achieved	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics <ul style="list-style-type: none"> <li>For French option – normally H3 in French (or evidence of linguistic ability)</li> <li>For Spanish option – normally H3 in Spanish (or evidence of linguistic ability)</li> </ul>	
	BSc (Econ) [J with Economics]	3	ABB + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	
Actuarial Science and Risk Management	BSc [S] (sandwich course)	4	A*AA including Mathematics OR AAA + A (AS) including A-level Mathematics	H1H1H1H1H2H2 including Higher Level grade H1 in Mathematics	
© Aerospace Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
© Agricultural Technology <sup>1</sup>	BSc [S]	3	BBB including at least two relevant subjects (see list below) + GCSE Mathematics grade C OR ABB including a relevant subject (see list below) + GCSE Mathematics grade C Applicants not offering either Biology or Chemistry at A-level should have GCSE Chemistry grade C or GCSE Double Award Science grades CC Relevant subjects: Agricultural Science, Biology, Chemistry, Computer Science, Digital Technology, Environmental Science/Technology, Geography, Geology, Home Economics, ICT, Life & Health Sciences, Mathematics, Physics, Physical Education, Psychology and Technology & Design. Other subjects considered on an individual basis	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in two relevant subjects (see list under A-level requirements) + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in a relevant subject (see list under A-level requirements) + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics Applicants not offering Agricultural Science, Biology or Chemistry at Higher Level must have Chemistry at Ordinary Level grade O4	
Anthropology	BA [S/J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Applied Mathematics and Physics	BSc [J]	3	ABB including Mathematics grade A and Physics grade B	H2H3H3H3H3 including Higher Level grade H2 in Mathematics and H3 in Physics	
	MSci [J]	4	AAA including Mathematics and Physics OR A* (Mathematics) AB including Physics	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics and Physics	
Archaeology	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	
	MSci [S]	4	AAB + GCSE Mathematics grade C	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
Archaeology-Palaeoecology	BSc [S/J]	3	BBB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
Architecture	BSc [S]	3	AAB + GCSE Mathematics grade C Applicants with a grade C in GCSE Art or no Art at GCSE/A-level may be invited for a portfolio interview. Neither Technology and Design nor Craft, Design and Technology are considered an alternative to Art	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics Applicants with a grade C in Junior Certificate Art, or no Art at Junior/Leaving Certificate, may be invited for a portfolio interview	
Astrophysics	BSc [available with Physics]	3	BBB including Mathematics and Physics	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics	
	MSci [available with Physics]	4	AAB including Mathematics and Physics	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics	
Audio Engineering	BSc [S]	3	ABB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Electronics, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
© Biochemistry	BSc [S]	3	BBB including Chemistry and Biology + GCSE Mathematics grade C OR ABB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Where A-level Biology, Mathematics or Physics are not offered, A-levels in three other subjects including Chemistry and AS-level Biology would be considered	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and Biology + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry and at least one from Mathematics or Physics + Ordinary Level grade O4 in Biology + if not offered at Higher Level then grade O4 in Mathematics	
	MSci [S]	4	AAB including Chemistry and Biology + GCSE Mathematics grade C OR AAA including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Where A-level Biology, Mathematics or Physics are not offered, A-levels in three other subjects including Chemistry and AS-level Biology would be considered	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Chemistry and Biology + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 and H3 in any order in Chemistry and at least one from Mathematics or Physics + Ordinary Level grade O4 in Biology + if not offered at Higher Level then grade O4 in Mathematics	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
© Biological Sciences	BSc [S]	3	BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR ABB including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C It would be an advantage to have studied Chemistry beyond GCSE level	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics. It would be an advantage to have studied Higher Level Chemistry	
	MSci [S]	4	AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. It would be an advantage to have studied Chemistry beyond GCSE level	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics It would be an advantage to have studied Higher Level Chemistry	
Biological Sciences	FdSc [S] 3	2	CC including Biology or Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Note: It would be an advantage to have studied Chemistry beyond GCSE level	H3H4H4H4H4/H3H3H4H4 including grade H3 in Biology and H4 in Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics If not offered at Higher Level then Ordinary Level Chemistry grade O4 would be considered A minimum of five subjects will be required in the Irish Leaving Certificate at least four of which should be at Higher Level	
Biomedical Science	BSc [S]	3	AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C OR A (Biology/Human Biology or Chemistry) AB including a second science subject + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
Broadcast Production	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Business Economics	BSc(Econ) [S]	3	ABB + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	
Business Information Technology	BSc [S] (sandwich Course)	3	ABB + GCSE Mathematics grade C	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
© Business Management	BSc [S]	3	ABB + GCSE Mathematics B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	
© Chemical Engineering	BEng [S]	3	BBB including Mathematics and at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development, Technology and Design or Double Award Applied Science Note: Applicants not offering Chemistry or Physics at A-level should have a minimum of either GCSE Chemistry and Physics grade C or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and a Science subject (see list under A-level requirements)	
	MEng [S]	4	AAB including Mathematics at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design Note: Applicants not offering Chemistry or Physics at A-level should have a minimum of either GCSE Chemistry and Physics grade B or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	
© Chemical Technology	MEng [S]	4	AAB including Mathematics and Chemistry	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and Chemistry	
	MSci [S]	4	AAB including Mathematics and Chemistry	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and Chemistry	
Chemistry (see also Medicinal Chemistry)	BSc [S]	3	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
	BSc [S] (sandwich course)	4	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Chemistry with French or Spanish	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C <ul style="list-style-type: none"> <li>For French option – A-level French grade B or AS-level French grade B</li> <li>For Spanish option – A-level Spanish grade B or AS-level Spanish grade B</li> </ul> Note: If the language is studied at a higher level then the grade required at that level must be achieved	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics <ul style="list-style-type: none"> <li>For French option – H3 in French</li> <li>For Spanish option – H3 in Spanish</li> </ul>	
Chemistry with Study Abroad	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
© Civil Engineering	BEng [S]	3	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and a Science subject (see list under A-level requirements)	
	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	
Computer Science	BEng [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	
	BSc [J with Mathematics]	3	ABB including Mathematics grade A	H2H3H3H3H3 including Higher Level grade H2 in Mathematics	
	BSc [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Computer Science (continued)	MEng [S]	4	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	
	MEng [S] (sandwich course)	5	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	
	MSci [J with Mathematics]	4	AAA including Mathematics OR A* (Mathematics) AB	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics	
Computing and Information Technology	BSc [S] (sandwich course)	4	BBB including Mathematics, Computing or Software Systems Development + GCSE Mathematics grade C OR ABB including Biology, Chemistry, Digital Technology, ICT (including Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C OR AAB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including any computing or scientific subject + Ordinary Level grade O4 in Mathematics OR H2H3H3H3H3H3 + Ordinary Level grade O4 in Mathematics	
Criminology	BA [S/J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	
Dentistry	BDS [S]	5	AAA including Biology/Human Biology and Chemistry. GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level Note: A maximum of one Applied A-level will be counted	H1H1H1H1H2H2 including Higher Level grade H1 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	
Drama	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	
Economics	BSc (Econ) [S]	3	ABB + GCSE Mathematics grade A	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O2 in Mathematics	
	BSc(Econ) [J with Accounting]	3	ABB + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	
	BSc(Econ) [M with Finance]	3	ABB + GCSE Mathematics grade A	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O2 in Mathematics	

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<b>Economics</b> <i>(continued)</i>	BSc (Econ) [M with a language]	4	<p>ABB + GCSE Mathematics grade B</p> <ul style="list-style-type: none"> <li>For French option – normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language</li> <li>For Spanish option – normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language</li> </ul> <p>Note: If the language is studied at a higher level then the grade required at that level must be achieved</p>	<p>H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics</p> <ul style="list-style-type: none"> <li>For French option – normally H3 in French or evidence of linguistic ability in another language</li> <li>For Spanish option – normally H2 in Spanish or evidence of linguistic ability in another language</li> </ul>	
<b>Education</b>	BEd	4	Education is taught at St Mary's University College and Stranmillis University College. Each of the University Colleges produces its own prospectus to which you should refer.		
© <b>Electrical and Electronic Engineering</b>	BEng [S]	3	<p>BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Electronics, Further Mathematics, Technology and Design or Double Award Applied Science</p> <p>Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC</p>	<p>H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and at least one from Physics (preferred), Biology or Chemistry</p>	
	MEng [S]	4	<p>AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Electronics, Further Mathematics or Technology and Design</p> <p>Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB</p>	<p>H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and at least one from Physics (preferred), Biology or Chemistry</p>	
<b>Energy, Environment and Sustainability</b> <sup>4</sup>	FdSc [S]	2	<p>CC + GCSE Mathematics grade C</p> <p>OR</p> <p>CD including Biology, Chemistry, Geography, Mathematics or Physics + GCSE Mathematics grade C</p>	<p>H3H3H4H4 + Ordinary Level grade O4 in Mathematics</p> <p>OR</p> <p>H3H4H4H4 including at least one from Biology, Chemistry, Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p> <p>A minimum of five subjects will be required in the Irish Leaving Certificate at least four of which should be at Higher Level</p>	
<b>English</b>	BA [S/J]	3	<p>ABB including English for Single Honours and Joint Honours with Anthropology, French, History, Irish, Linguistics, Philosophy, Politics and Spanish</p> <p>BBB including English for all other options</p> <p>Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English</p>	<p>H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in English for Single Honours and Joint Honours with Anthropology, French, History, Irish, Linguistics, Philosophy, Politics and Spanish</p> <p>H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in English for all other options</p>	
<b>English with Creative Writing</b>	BA [S]	3	<p>ABB including A-level English</p> <p>Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English</p>	<p>H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in English</p>	

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© <b>Environmental and Civil Engineering</b>	MEng [S]	4	<p>AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design</p> <p>Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB</p>	<p>H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)</p>	
© <b>Environmental Management</b>	BSc [S]	3	<p>BBB including at least two from Biology, Economics and Geography + GCSE Mathematics grade C</p> <p>OR</p> <p>ABB + GCSE Mathematics grade C.</p> <p>Note: certain modules will require GCSE Mathematics grade B</p>	<p>H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in at least two from Biology, Economics and Geography + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p> <p>OR</p> <p>H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p> <p>Note: Certain modules will require Ordinary Level grade O3 in Mathematics</p>	
<b>European Planning</b>	MPlan [S]	4	<p>ABB + GCSE Mathematics grade C</p>	<p>H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p>	
<b>Film and Theatre Making</b>	BA [S]	3	<p>ABB</p>	<p>H3H3H3H3H3H3/H2H3H3H3H3</p>	
<b>Film Studies and Production</b>	BA [S]	3	<p>BBB</p>	<p>H3H3H3H3H4H4/H3H3H3H3H3</p>	
<b>Finance</b>	BSc (Finance) [S] (sandwich course)	4	<p>ABB including Mathematics</p>	<p>H3H3H3H3H3H3/H2H3H3H3H3 including Mathematics</p>	
© <b>Food Quality, Safety and Nutrition</b>	BSc [S]	3	<p>BBB including Biology and Chemistry + GCSE Mathematics grade C</p> <p>OR</p> <p>BBB including Biology and either Home Economics or Nutrition &amp; Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C</p> <p>OR</p> <p>BBB including Chemistry and either Home Economics or Nutrition &amp; Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C</p> <p>OR</p> <p>ABB including Biology or Chemistry or Double Award Applied Science or Double Award Life &amp; Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.</p>	<p>H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p> <p>OR</p> <p>H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level Chemistry grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p> <p>OR</p> <p>H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry + Ordinary Level Biology grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics</p>	

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© Food Quality, Safety and Nutrition (continued)	MSci [S]	4	AAB including Biology and Chemistry + GCSE Mathematics grade C OR AAB including Biology and either Home Economics or Nutrition & Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology or Chemistry or Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level Chemistry grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry + Ordinary Level Biology grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
© Food Science and Food Security	MSci [S]	4	AAB including Biology and Chemistry + GCSE Mathematics grade C OR AAB including Biology and either Home Economics or Nutrition & Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology or Chemistry or Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level Chemistry grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry + Ordinary Level Biology grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
French	BA [S/J]	4	ABB including A-level French Note: for applicants who have not studied A-level French then AS-level French grade B would be acceptable in lieu of A-level French	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in French	
French (Beginners)	BA [S/J]	4	ABB + GCSE French grade B or evidence of linguistic ability in another language Note: the Beginners' option is not available to those who have studied A-level or AS-level French	H3H3H3H3H3H3/H2H3H3H3H3 + Ordinary Level grade O3 in French or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied Higher Level French	
Geography	BSc [S/J]	3	BBB normally including A-level Geography + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 normally including Higher Level grade H3 in Geography + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	

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Geography with a Language	BSc [S]	4	BBB normally including A-level Geography + GCSE Mathematics grade C • For French option: A-level French grade B • For Spanish option: A-level Spanish grade B	H3H3H3H3H4H4/H3H3H3H3H3 normally including Higher Level grade H3 in Geography + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics • For French option: Higher Level grade H3 in French • For Spanish option: Higher Level grade H3 in Spanish	
History	BA [S/J]	3	ABB for Single and Joint Honours with Anthropology, English, French, International Studies, Irish, Philosophy, Politics and Spanish BBB for all other options	H3H3H3H3H3H3/H2H3H3H3H3 for Single Honours and Joint Honours with Anthropology, English, French, International Studies, Irish, Philosophy, Politics and Spanish H3H3H3H3H4H4/H3H3H3H3H3 for other options	
Human Biology	BSc [S]	3	AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C OR A (Biology/Human Biology or Chemistry) AB including a second science subject + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
International Business with a Language	BSc (International Business) [S] with a Language (sandwich course)	4	ABB + GCSE Mathematics grade B • For French option – normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language • For German option – normally A-level German grade B or AS-level German grade B • For Mandarin option: evidence of linguistic ability. • For Portuguese option – normally A-level Portuguese grade B or AS-level Portuguese grade B or GCSE Portuguese grade B or evidence of linguistic ability in another language. • For Spanish option – normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language Note: If the language is studied at a higher level then the grade required at that level must be achieved	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level O3 in Mathematics • For French option: normally Higher Level grade H3 in French or evidence of linguistic ability • For German option: Higher Level grade H3 in German • For Mandarin option: evidence of linguistic ability • For Portuguese option: normally Higher Level grade H3 in Portuguese or evidence of linguistic ability • For Spanish option: normally Higher Level grade H3 in Spanish or evidence of linguistic ability Note: if the language is studied at a higher level then the grade required at that level must be achieved	
International Politics and Conflict Studies	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	
International Studies	BA [J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	
Irish	BA [S/J]	3	ABB including A-level Irish	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Irish	
Law	LLB [S]	3	AAA	H2H2H3H3H3H3	
Law: Common and Civil Law with French	LLB [S]	4	AAA including A-level French grade A	H2H2H3H3H3H3 including Higher Level grade H2 in French	

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Law: Common and Civil Law with Hispanic Studies	LLB [S]	4	AAA including A-level Spanish grade A	H2H2H3H3H3H3 including Higher Level grade H2 in Spanish	
Law with Politics	LLB [S]	3	AAA	H2H2H3H3H3H3	
Liberal Arts	MLibArts [S]	4	AAA	H2H2H3H3H3H3	
Linguistics	BA [J]	3	ABB including A-level English Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in English	
© Marine Biology	BSc [S]	3	BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR ABB including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. It would be an advantage to have studied Chemistry beyond GCSE level	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics. It would be an advantage to have studied Higher Level Chemistry	
	MSci [S]	4	AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. It would be an advantage to have studied Chemistry beyond GCSE level	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics It would be an advantage to have studied Higher Level Chemistry	
Mathematics (Pure and/or Applied)	BSc [S/J]	3	A (Mathematics) BB	H2H3H3H3H3 including Higher Level grade H2 in Mathematics	
	MSci [S/J]	4	AAA including Mathematics OR A* (Mathematics) AB	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics	
Mathematics and Statistical and Operational Research	BSc [J]	3	A (Mathematics) BB	H2H3H3H3H3 including Higher Level grade H2 in Mathematics	
	MSci [J]	4	AAA including Mathematics OR A* (Mathematics) AB	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics	

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Mathematics with Extended Studies in Europe	BSc [S]	4	A (Mathematics) BB For French option: A-level French grade B For Spanish option: A-level Spanish grade B	H2H3H3H3H3 including Higher Level grade H2 in Mathematics For French option: Higher Level grade H3 in French For Spanish option: Higher Level grade H3 in Spanish	
Mathematics with Finance	BSc [S]	3	A* (Mathematics) BB OR AAB including Mathematics grade A	H2H3H3H3H3H3 including Higher Level grade H2 in Mathematics	
© Mechanical Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
Mechanical Engineering	FdEng [S] <sup>3</sup>	3	CC including Mathematics and at least one of Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H4H4 including Mathematics and at least one of Physics (preferred), Biology or Chemistry Note: a minimum of five subjects will be required in the Irish Leaving Certificate, at least four of which should be at Higher Level	
Medicinal Chemistry (see also Chemistry)	BSc [S]	3	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
	BSc [S] (sandwich course)	4	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	

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Medicine	MB, BCh, BAO [S]	5	AAA at A-level + A in a fourth AS-level subject including A-level Chemistry plus at least one other A-level from Biology/ Human Biology, Mathematics or Physics. If not offered at A-level then Biology/Human Biology grade A as a 4th AS-level or grade B as a 5th AS-level. GCSE Mathematics minimum grade C and either GCSE Physics minimum grade C or GCSE Double Award Science minimum grades CC are required if not offered at AS-level or A-level A maximum of either one Applied A-level or Applied AS-level will be counted	H1H1H1H1H2H2 including Higher Level grade H1 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics. Students not offering Physics as part of their Leaving Certificate must have an A grade in Junior Certificate Science	
© Microbiology	BSc [S]	3	BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR BBB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR ABB including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O3 in Chemistry and O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O3 in Chemistry and O4 in Mathematics	
	MSci [S]	4	AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR AAB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR AAA including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O3 in Chemistry and O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O3 in Chemistry and O4 in Mathematics	
Midwifery Sciences	BSc [S]	3	BCC including a relevant Science (Biology/ Human Biology, Chemistry, Life & Health Sciences, Mathematics or Physics) OR BBC where a relevant Science subject is not offered All applicants (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade B to include Mathematics and a Science subject (ie Biology/Human Biology, Chemistry, Physics, Double Award Science or Single Award Science)	H3H3H3H4H4 where a relevant Science subject is offered (Biology, Chemistry, or Physics) OR H3H3H3H3H4 where a relevant Science subject is not offered All applicants - if not offered at Higher Level then Ordinary Level grade O3 in Mathematics and a Science subject is necessary	
Music <sup>2</sup>	BMus [S]	3	BBB including A-level Music. Where A-level Music is not offered then A-level grades BBB plus Grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable. AS-level Music is not acceptable in lieu of A-level Music	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Music Where Higher Level Music is not offered then grades H3H3H3H3H4H4/H3H3H3H3H3 plus grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable	

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Music and Audio Production <sup>2</sup>	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	
Music and Sound Design <sup>2</sup>	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	
Music Performance <sup>2</sup>	BA [S]	3	ABB + successful audition	H3H3H3H3H3H3/H2H3H3H3H3 + successful audition	
Nursing	BSc [S]	3	BCC including a relevant Science (Biology/ Human Biology, Chemistry, Life & Health Sciences, Mathematics or Physics) OR BBC where a relevant Science subject is not offered Note: All applicants (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade C to include Mathematics and a Science subject (ie Biology/ Human Biology, Chemistry, Physics, Double Award Science or Single Award Science)	H3H3H3H4H4 where a relevant Science subject is offered (Biology, Chemistry, or Physics) OR H3H3H3H3H4 where a relevant Science subject is not offered. All applicants – if not offered at Higher Level then Ordinary Level grade O4 in Mathematics and a Science subject is necessary	
© Pharmaceutical Biotechnology	BSc [S]	3	BBB including Biology and Chemistry + GCSE Mathematics grade C OR BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics.	
© Pharmaceutical Sciences	BSc [S]	3	BBB including Biology and Chemistry + GCSE Mathematics grade C OR BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics.	
Pharmacy	MPharm [S]	4	AAB including A-level Chemistry and at least one other A-level from Biology, Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Note: Biology to at least AS preferred.	H1H1H3H3H3H3 including Higher Level grade H1 in Chemistry and Biology + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
Philosophy	BA [S/J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Physics	BSc [S/J]	3	BBB including Mathematics and Physics	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics	
	MSci [S/J]	4	AAB including Mathematics and Physics	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics	
Physics with Extended Studies in Europe	BSc [S]	4	BBB including Mathematics and Physics <ul style="list-style-type: none"> <li>For French option: A-level French grade B</li> <li>For Spanish option: A-level Spanish grade B</li> </ul>	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics <ul style="list-style-type: none"> <li>For French option – Higher Level grade H3 in French</li> <li>For Spanish option – Higher Level grade H3 in Spanish</li> </ul>	
	MSci [S]	5	AAB including Mathematics and Physics <ul style="list-style-type: none"> <li>For French option: A-level French grade B</li> <li>For Spanish option: A-level Spanish grade B</li> </ul>	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics <ul style="list-style-type: none"> <li>For French option – Higher Level grade H3 in French</li> <li>For Spanish option – Higher Level grade H3 in Spanish</li> </ul>	
Physics with Medical Applications	BSc [S]	3	BBB including Mathematics and Physics	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics	
	MSci [S]	4	AAB including Mathematics and Physics	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics	
Planning, Environment and Development	BSc [S]	3	BBB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	
Politics	BA [S/J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	
Politics, Philosophy and Economics	BA [S]	3	AAA + GCSE Mathematics grade B	H2H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3	
© Product Design Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and at least one from Physics (preferred), Biology or Chemistry	
Psychology	BSc [S]	3	ABB + GCSE Mathematics grade C	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics is required	
Social Policy	BA [J]	3	ABB for Joint Honours with Criminology BBB for Joint Honours with Sociology	H3H3H3H3H3H3/H2H3H3H3H3 for Joint Honours with Criminology H3H3H3H3H4H4/H3H3H3H3H3 for Joint Honours with Sociology	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Social Work	BSW [S]	3	ABB + GCSE Mathematics grade C or an equivalent qualification acceptable to the University Note: applicants being considered for an offer will be interviewed.	H3H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics is required Note: applicants being considered for an offer will be interviewed.	
Social Work (Relevant Graduate Route)	BSW [S]	2	A minimum of a second Class Honours degree in a cognate subject. Please refer to degree entry for further information on cognate subjects. Graduates in any other subjects (minimum standard 2.2) who have successfully completed a Postgraduate Certificate in Education (PGCE) will also be considered All applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University Note: applicants being considered for an offer will be interviewed.	A minimum of a second Class Honours degree in a cognate subject. Please refer to degree entry for further information on cognate subjects. Graduates in any other subjects (minimum standard 2.2) who have successfully completed a Postgraduate Certificate in Education (PGCE) will also be considered All applicants must have a minimum of a Higher Level grade H4 (prior to 2017 Higher Level grade C3) or Ordinary Level grade O4 (prior to 2017 Ordinary Level grade C3) in Mathematics Note: applicants being considered for an offer will be interviewed.	
Sociology	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	
Sociology with Quantitative Methods	BSc [S]	3	BBB including Mathematics OR BBC + AS-level Mathematics grade B OR ABB + GCSE Mathematics grade B	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 and Ordinary Level grade O3 in Mathematics	
© Software and Electronic Systems Engineering	BEng [S]	3	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT [not Applied], Physics or Software Systems Development, Technology and Design or Double Award Applied Science	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and a Science subject (see list under A-level requirements)	
	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT [not Applied], Physics or Software Systems Development or Technology and Design	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Mathematics and a Science subject (see list under A-level requirements)	
Software Engineering	BEng [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	
	MEng [S]	4	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Software Engineering <i>(continued)</i>	MEng [S] (sandwich course)	5	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	
Software Engineering with Digital Technology Partnership This is a Higher Level Apprenticeship in conjunction with a leading technology employer	BEng [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C Academically eligible applicants will be asked to complete a supplementary application form which will be assessed by the employer. Applicants successful at this stage of the process will then be invited to attend an assessment centre from which the final successful candidates will be chosen.	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics Academically eligible applicants will be asked to complete a supplementary application form which will be assessed by the employer. Applicants successful at this stage of the process will then be invited to attend an assessment centre from which the final successful candidates will be chosen.	
Spanish	BA [S/J]	4	ABB including Spanish Note: For those who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Spanish	
Spanish (Beginners)	BA [S/J]	4	ABB + GCSE Spanish grade B or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied AS-level or A-level Spanish	H3H3H3H3H3H3/H2H3H3H3H3 + Ordinary Level grade O3 in Spanish or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied Higher Level Spanish	
Spanish and Portuguese	BA [S]	4	ABB including A-level Spanish. Note: for applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Spanish	
Spanish and Portuguese (Beginners)	BA [S]	4	ABB + GCSE Spanish grade B or evidence of linguistic ability in another language Note: the Beginners' option is not available to those who have studied A-level or AS-level Spanish	H3H3H3H3H3H3/H2H3H3H3H3 + Ordinary Level grade O3 in Spanish or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied Higher Level Spanish	
© Structural Engineering with Architecture	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	

Subject	Degree	Yrs	A-Level Target Grades And Subject Requirements	Irish Leaving Certificate Higher Level Target Grades And Subject Requirements	Page
Theology	BA [S]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	
	BD [S]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	
Theoretical Physics	BSc [S]	3	ABB including Mathematics grade A and Physics grade B	H2H3H3H3H3 including Higher Level grade H2 in Mathematics and H3 in Physics	
	MSci [S]	4	AAA including Mathematics and Physics OR A* (Mathematics) AB including Physics	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics and Physics	
© Zoology	BSc [S]	3	BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR ABB including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C It would be an advantage to have studied Chemistry beyond GCSE level	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics. It would be an advantage to have studied Higher Level Chemistry	
© Zoology <i>(continued)</i>	MSci [S]	4	AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Double Award Applied Science or Double Award Life & Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. It would be an advantage to have studied Chemistry beyond GCSE level	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics It would be an advantage to have studied Higher Level Chemistry	

#### Notes

- © Placement option is also available. Please note that taking the placement option will add one extra year to the duration of the course.
- 1 First two years based at the College of Agriculture, Food and Rural Enterprise (Greenmount Campus, Antrim). Final year is at Queen's.
- 2 Applicants for courses involving Music should indicate in the Education section of the UCAS application the highest grade achieved in Music Practical and Theory examinations. Applicants should also include any exams they intend to complete before admission to the University in the Education section.
- 3 Based at Belfast Metropolitan College. Articulation from the Foundation Degree to an Honours degree at Queen's is possible.
- 4 Based at South West College (Omagh). Articulation from the Foundation Degree to an Honours degree at Queen's is possible.

# ACCESS COURSE ENTRANCE REQUIREMENTS

Applications from those offering Access Courses are welcomed and each is considered individually on its merits. Access Courses are designed for adults who left formal education without the qualifications needed for entry to higher education, who did not progress beyond Level 3 qualifications, eg A-levels, and who are returning to study after a significant break from full-time education (normally a minimum of two years). A wide range of programmes is available and they are validated by the Quality Assurance Agency for Higher Education (QAA) or by Queen's University Belfast (Access Diploma) or Ulster University (Access Diploma). Where offers are made, these are based on completion of the full qualification, which is normally available on a one-year, full-time or two-years, part-time basis.

## ACCESS COURSES VALIDATED BY QUEEN'S UNIVERSITY OR ULSTER UNIVERSITY

The following tables provide details of the target grades and subject requirements. The standards required vary according to the subject selected. Please note that the Study Skills module will not be counted in fulfilment of entry requirements.

Since the Prospectus is prepared well in advance of the academic year to which it relates, the information stated here is for guidance only.

## ACCESS TO HE DIPLOMA

Most courses at Queen's will consider applicants presenting a QAA-recognised Access to HE Diploma. A minimum of 60 credits is required, including 45 credits at Level 3 and 15 at Level 2. The following is a guide to the standards required in terms of equivalencies to A-level target grades, however, it should be noted that a number of courses will have specific (subject) requirements and these together with the number of credits, level and required grades will be specified in the offer.

A-level Grades	Access to HE Diploma Grades
AAA	39 Distinctions, 6 Merits
AAB	30 Distinctions, 15 Merits
ABB	24 Distinctions, 21 Merits
BBB	15 Distinctions, 30 Merits

Subject	Target Grades and Subject Requirements <sup>1</sup>
<b>AGRI-FOOD AND LAND USE</b>	
Agricultural Technology <sup>2</sup>	65% average in relevant course (normally Science based). GCSE Mathematics grade C or equivalent in Access Course
Energy, Environment and Sustainability <sup>3</sup> (Foundation Degree)	55% average in relevant course (normally Science based). GCSE Mathematics grade C or equivalent in Access Course OR 60% average in a non-relevant science course. GCSE Mathematics grade C or equivalent in Access Course
Environmental Management	65-70% average. GCSE Mathematics grade C or equivalent in Access Course. NB: certain modules require GCSE Mathematics grade B or equivalent in Access Course
Food Quality, Safety and Nutrition (BSc)	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Food Science and Food Security	Not considered.

## EDUCATION

Bachelor of Education	Education is taught at St Mary's University College and Stranmillis University College. Each of the University Colleges produces its own prospectus to which you should Refer
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## ENGINEERING

Architecture	75% average. GCSE Mathematics grade C or equivalent in Access Course. Applicants with a grade C in GCSE Art or no Art at GCSE/A-level may be invited for a portfolio interview.
Audio Engineering	85% in each module. Must be relevant Access Course including two modules in Mathematics (Level 3) and two modules in Physics/Chemistry (Level 3)
Computer Science (BEng/BSc degrees)	65-70% average. Must be relevant Access Course (eg Mathematics and Computing). GCSE Mathematics grade C or equivalent in Access Course
Computing and Information Technology	75% average in any Access Course. GCSE Mathematics grade C or equivalent in Access Course OR 65-70% in a computing, mathematical or scientific Access Course. GCSE Mathematics grade C or equivalent in Access Course
Engineering - Foundation degrees: Mechanical Engineering <sup>4</sup>	55% average Must be a relevant Access Course including two modules in Mathematics (Level 3) and two modules in Physics (Level 3)

Subject	Target Grades and Subject Requirements <sup>1</sup>
Engineering - BEng degrees: Aerospace Engineering, Chemical Engineering, Civil Engineering, Electrical and Electronic Engineering, Mechanical Engineering, Product Design Engineering, Software and Electronic Systems Engineering	80% in each module Must be a relevant Access Course including two modules in Mathematics (Level 3) and two modules in Physics* (Level 3) * Physics/Chemistry (Level 3) for BEng degrees in Chemical Engineering
Engineering - MEng degrees	Not considered
European Planning	70% average. GCSE Mathematics grade C or equivalent in Access Course
Planning, Environment and Development	65% average. GCSE Mathematics grade C or equivalent in Access Course
Software Engineering (BEng degree)	65-70% average. Must be relevant Access Course (eg Mathematics and Computing). GCSE Mathematics grade C or equivalent in Access Course
Software Engineering with Digital Technology Partnership This is a Higher Level Apprenticeship in conjunction with a leading technology employer	65-70% average. Must be relevant Access Course (eg Mathematics and Computing). GCSE Mathematics grade C or equivalent in Access Course Academically eligible applicants will be asked to complete a supplementary application form which will be assessed by the employer. Applicants successful at this stage of the process will then be invited to attend an assessment centre from which the final successful candidates will be chosen.

## HUMANITIES AND SOCIAL SCIENCES

Anthropology	70% average
Archaeology	65% average
Broadcast Production	70% average
Criminology	70% average
Drama	65% average
English	70% average including an average of 65% in Literature modules for Single Honours and Joint Honours in Anthropology and English, English and Linguistics, English and History, English and Philosophy, English and Politics 65% average including an average of 65% in Literature modules for other options.
English with Creative Writing	70% average including average of 65% in Literature modules
Film Studies and Production	65% average

Subject	Target Grades and Subject Requirements <sup>1</sup>
Film and Theatre Making	70% average
French	Not normally considered as Access Courses would not satisfy language requirements
History	70% average for Single Honours and Joint Honours Anthropology and History, English and History, History and International Studies, History and Philosophy and History and Politics 65% average for other options
International Politics and Conflict Studies (Single Honours), International Studies (Joint Honours)	70% average.
Irish	Not normally considered as Access Courses would not satisfy language requirements
Linguistics	70% average including average of 65% in Literature modules
Music – BMus <sup>6</sup>	Certificate in Foundation Studies in Music with an average of 65%
Music and Audio Production <sup>6</sup>	70% average
Music and Sound Design <sup>6</sup>	70% average
Music Performance <sup>6</sup>	70% average plus successful audition
Philosophy	70% average
Politics	70% average
Politics, Philosophy and Economics	75% average. GCSE Mathematics grade B or equivalent in Access Course
Social Policy	70% average for Joint Honours with Criminology 65% average for Joint Honours with Sociology
Social Work	70% average. Minimum of a grade C in GCSE Mathematics or the equivalent in the Access course
Sociology	65% average (except BA Criminology and Sociology: 70% average)
Sociology with Quantitative Methods	70% average. GCSE Mathematics grade B or equivalent in Access Course
Spanish (Single and Joint Honours), Spanish and Portuguese	Not normally considered as Access Courses would not satisfy language requirements
<b>LAW</b>	
Law, Law with Politics	75% average.
Common and Civil Law with French or Spanish	Not normally considered as Access Courses would not satisfy language requirements.

Subject	Target Grades and Subject Requirements <sup>1</sup>
<b>MANAGEMENT</b>	
Accounting	75% average. GCSE Mathematics grade B or equivalent in Access Course
Actuarial Science and Risk Management	Not considered
Business Economics	70% average. GCSE Mathematics grade B or equivalent in Access Course
Business Information Technology	70% average. GCSE Mathematics grade C or equivalent in Access Course
Business Management	70% average. GCSE Mathematics grade B or equivalent in Access Course
Economics	70% average. GCSE Mathematics grade A or equivalent in Access Course
Economics and Accounting	70% average. GCSE Mathematics grade B or equivalent in Access Course
Economics with Finance	70% average. GCSE Mathematics grade A or equivalent in Access Course
Finance	75% average. Must be relevant Access Course (eg Mathematics and Computing)
International Business with a Language	Not normally considered as Access Courses would not satisfy language requirements
<b>MEDICINE AND HEALTH SCIENCES</b>	
Biomedical Sciences, Human Biology	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Dentistry	Not considered
Midwifery Sciences	65% where at least half of the overall programme is in Biology or Chemistry or Physics (Level 3 modules) OR 70% for all other Access courses (Level 3 units) All Access course applicants must have a minimum of a grade B in GCSE Mathematics and a science subject. Within an Access course 70% in NICATS Mathematics and 70% in a Level 2/3 Biology or Chemistry or Physics module (equivalent to at least 15% of the Access course) would normally fulfil the GCSE Mathematics and Science requirements above Additional academic criteria may be applied at shortlisting depending on the volume of applications
Medicine	Not considered

Subject	Target Grades and Subject Requirements <sup>1</sup>
Nursing	65% where at least half of the overall programme is in Biology or Chemistry or Physics (Level 3 modules) OR 70% for all other Access courses (Level 3 units) All Access course applicants must have a minimum of a grade C in GCSE Mathematics and a science subject or the equivalent in the Access course Additional academic criteria may be applied at shortlisting depending on the volume of applications
<b>SCIENCE</b>	
Archaeology (MSci)	75% average. GCSE Mathematics grade C or equivalent in Access Course
Archaeology–Palaeoecology (BSc)	65% average. GCSE Mathematics grade C or equivalent in Access Course
Biology and Biochemistry – BSc degrees:	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Biochemistry, Biological Sciences, Marine Biology, Microbiology, Zoology	
Biology – Foundation degree:	65% average. Must be a relevant Access Course with sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Biological Sciences <sup>4</sup>	
Chemistry – BSc degrees:	80% average with no less than 70% in any module including sufficient relevant modules in Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Chemistry, Medicinal Chemistry	
Geography, Archaeology–Palaeoecology and Geography	65% average normally including 65% in Geography (Physical and Human). GCSE Mathematics grade C or equivalent in Access Course
Mathematics – BSc degrees:	80% average with at least 80% in each Mathematics module. Must be relevant Access Course (eg Mathematics and Computing)
Mathematics, Mathematics and Computer Science, Mathematics and Statistics and Operational Research, Mathematics with Finance	
Pharmaceutical Sciences, Pharmaceutical Biotechnology	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access course

Subject	Target Grades and Subject Requirements <sup>1</sup>
Pharmacy	Not considered
Physics – BSc degrees:	80% average with at least 80% in each Mathematics and Physics module and no less than 70% in any module
Applied Mathematics and Physics, Physics, Physics with Astrophysics, Physics with Medical Applications, Theoretical Physics	
Psychology	70% average. GCSE Mathematics grade C or equivalent in Access Course
<b>THEOLOGY</b>	
Divinity, Theology	65% average

#### Notes

- Where it is stipulated that an equivalent is acceptable, it should be noted that the equivalent must be recognised and acceptable to the University.
- First two years based at the College of Agriculture, Food and Rural Enterprise (Greenmount Campus). Final year is at Queen's.
- Based at South West College (Omagh). Articulation from the Foundation Degree to an Honours degree at Queen's is possible.
- Based at Belfast Metropolitan College. Articulation from the Foundation Degree to an Honours degree at Queen's is possible.
- Where subjects are offered as Joint Honours, the requirements are stated separately under each heading and subject specific requirements must be met.
- Applicants for courses involving Music should indicate in the Education section of the UCAS application the highest grade achieved in Music Practical and Theory examinations. Applicants should also include details of any examinations they intend to complete before admission to the University.

# OTHER QUALIFICATIONS

Queen's is committed to widening access and we welcome applications from applicants offering qualifications other than those referred to above. If you are undertaking other qualifications, have a look at the information below and if you have any queries please contact the Admissions and Access Service ([admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)).

## 1. BTEC and OCR Qualifications at Level 3

Applications are considered individually on their merits, and GCSE background and results in the first year BTEC/OCR (or qualifications deemed equivalent from other awarding bodies) examinations may be taken into account, bearing in mind, where appropriate, the course requirements. Offers will be based on performance in individual units rather than the overall grade(s) awarded.

The targets set for Arts, Humanities and Social Sciences-based subjects range from 100 credits at Distinction and 80 credits at Merit in the BTEC Extended Diploma/OCR Cambridge Technical Extended Diploma examinations, to 160 credits at Distinction and 20 credits at Merit depending on the specific degree programme.

In Science, Engineering and Agri-Food and Land Use, applicants offering a relevant BTEC Extended Diploma/OCR Cambridge Technical Extended Diploma are considered individually on their merits. Where offers are made, they range from 100 to 160 credits at Distinction (including specified units) and Merits in all other units.

A combination of A-levels and BTEC/OCR qualifications will also be considered and, where applicants take two A-levels and a BTEC Subsidiary Diploma/OCR Cambridge Technical Introductory Diploma/Extended Certificate or one A-level and a BTEC Diploma/OCR Cambridge Technical Diploma offers will be made in terms of performance in individual units rather than the overall grade(s) awarded.

Please note that a maximum of one BTEC Subsidiary Diploma/OCR Cambridge Technical Introductory Diploma/Extended Certificate will normally be counted as part of an applicant's portfolio of qualifications (except Dentistry, Medicine and Pharmacy, for which these qualifications are not acceptable). Again offers will be made in terms of performance in individual units rather than the overall grades awarded. The table below is for guidance.

More detailed information is available via the Course Finder on the University's website at [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder)

A-level Grade	BTEC Subsidiary Diploma/OCR Cambridge Technical Introductory Diploma/Extended Certificate – Level 3
A	60 credits at Distinction
B	30 credits at Distinction and 30 credits at Merit
C	60 credits at Merit

BTEC National Extended Certificate/Diploma/Extended Diploma at Level 3 (first teaching September 2016)

Entry requirements for the new BTEC Nationals at Level 3 are currently under consideration and further information will be published as soon as possible.

## 2. BTEC Higher National Diplomas (HND – Level 5)

Applications are considered individually on their merits and academic background at GCSE, GCE General and Applied A-levels and results in the first year examinations are taken into account, bearing in mind, where appropriate, the course requirements. For Arts, Humanities and Social Sciences-based subjects, where offers are made these range from Merits in all final year units to a mixture of Distinctions and Merits for the more competitive courses including some of

the BA Single Honours degrees, Law, Psychology and for degree programmes in Queen's Management School. Entry would normally be to Stage 1 although some courses at Queen's may consider admission to Stage 2.

In Science, Engineering and Agri-Food and Land Use, applicants offering a relevant Higher National Diploma are considered individually on their merits for Stage 1 or Stage 2 entry, depending on how closely the syllabus correlates to Stage 1 and on their performance in first year. Where offers are made for Engineering these are normally based on 12 Merits (4–6 units specified) and four Passes for Stage 2 and nine Merits (3 specified) and seven Passes for Stage 1. Science-based subjects usually require either Merits in all final year units or a mixture of Distinctions and Merits.

HND Entry Requirements are currently under review for 2019 entry.

## 3. BTEC Higher National Certificates (HNC – Level 4)

Applicants offering BTEC Higher National Certificates are considered on the same basis as applicants offering Higher National Diplomas, however, entry would be to Stage 1.

HNC Entry Requirements are currently under review for 2019 entry.

## 4. Foundation Degrees

Applicants offering a Foundation Degree are considered individually on their merits and academic background at GCSE, GCE General and Applied A-levels and the performance in first year may be taken into consideration. Where offers are made these are based on completion of the full qualification and for Stage 1 or Stage 2 depending on compatibility and performance.

## 5. Scottish Highers and Advanced Highers

The University accepts Scottish Higher and Advanced Higher qualifications. The following is a guide to the standard

required in terms of equivalencies to A-level target grades.

- For certain degree courses within Science, Engineering, Agri-Food and Land Use, Queen's Management School and Pharmacy programmes, an Advanced Higher in one or more specified subjects will be required.
- For Medicine and Dentistry, performance in Scottish Highers at first attempt is important with a minimum of AAABB required. Three Advanced Highers are necessary except where applicants achieved AAAAA in Scottish Highers. In such cases, two Advanced Highers would be acceptable.

A-level grades	Higher offer (S5)	Advanced Higher offer (S6)	Typical Advanced Higher + Higher offer (4 subjects)
AAA	AAAAB	AAA	AA + AA
AAB	AAAAB	AAB	AA + AB
ABB	ABBBB	ABB	AB + AB
BBB	BBBBB	BBB	BB + AB
BBC	BBBBC	BBC	BB + BC
BCC	BBBCC	BCC	BC + BC

## 6. International Baccalaureate (IB) Diploma Programme (DP)

Applicants must obtain the Diploma in order to be eligible for admission. While it is not possible to give exact equivalences, the following acts as a guide.

A-level Grades	International Baccalaureate (IB) Diploma Programme (DP) Individual grades refer to subjects at Higher Level
AAA	6,6,6 and 36–37 points overall
AAB	6,6,5 and 34–35 points overall
ABB	6,5,5 and 33–34 points overall
BBB	6,5,5 and 32 points overall
BBC	5,5,5 and 30 points overall
BCC	5,5,5 and 29 points overall

(Maximum grade 7 – Minimum pass grade 4)

Applicants presenting with a combination of A-levels and individual IB Higher Level (HL) subject certificates will also be considered.

## 7. Open University Qualifications

Applicants offering Open University qualifications are considered individually on their merits and on level of performance. Applicants are normally expected to offer 120 CATS points and previous academic background may be taken into account. For high-demand courses, 60 of the 120 CATS points may be required at Level 2 and a specified grade may be stipulated.

## 8. Cambridge Pre-U Diploma and Principal Subjects

The Cambridge Pre-U Diploma and Principal Subjects are acceptable, on their own or in combination with A-levels. A Principal Subject will be acceptable in lieu of a specified A-level in fulfilment of course requirements, with a grade D3 considered comparable to a grade A at A-level, a grade M2 considered comparable to a grade B at A-level and a grade M3 considered comparable to a grade C at A-level.

## 9. BTEC/OCR qualifications at Level 2

In fulfilment of the General Entrance Requirement or where performance at GCSE level is used in the selection process for individual programmes the University will accept a maximum of one BTEC/OCR qualification at Level 2. Normally a maximum of the equivalent of four GCSEs in acceptable vocational qualifications will be counted.

## 10. Certificate and Diploma in Financial Studies

Applications from applicants will be considered on an individual basis and a final decision taken in light of the full portfolio of qualifications, previous academic performance, relevant experience and the nature of the course applied for. In practice these qualifications have normally been included in conditional offers.

## 11. CACHE Level 3 Qualifications

Applicants offering these qualifications are considered individually on their merits. Overall academic background is taken into account plus the nature of the course applied for.

## 12. Essential Skills, Level 2, Application of Number

Level 2 Essential Skills in Application of Number will be considered on an individual basis in place of GCSE Mathematics Grade C, where this is a course requirement. An applicant's overall academic profile and any additional qualifications in numerically related subjects may be taken into account, however, applicants should note that for Nursing, Midwifery and Social Work it will not be acceptable in lieu. This will be reviewed in the event of changes to the specifications or content of either the GCSE or Essential Skills qualification.

## 13. National Vocational Qualifications (NVQ)

NVQs are not acceptable on their own for admission to undergraduate degrees.

## 14. Quality and Qualifications Ireland (QQI) FET/FETAC

These qualifications are not acceptable for admission to undergraduate degrees.

## 15. Other qualifications deemed equivalent by the University

If you are taking qualifications which differ from those listed here, please contact the Admissions and Access Service for advice.  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0) 28 9097 3838

# HOW AND WHEN TO APPLY

## HOW TO APPLY

Applications for admission to full-time undergraduate and sandwich courses at the University should normally be made through the Universities and Colleges Admissions Service (UCAS). Full information can be obtained from the UCAS website at: [ucas.com/apply](https://ucas.com/apply).

## WHEN TO APPLY

UCAS will start processing applications for entry in autumn 2019 from 1 September 2018.

The advisory closing date for the receipt of applications is 15 January 2019 (18:00), however, for applicants applying to Oxford or Cambridge and for those whose choices include Medicine, Dentistry or Veterinary Medicine/Science the closing date is 15 October 2018 (18:00).

Currently there are two intakes for Adult Nursing (one in September and the other in February) and application is made for both courses by 15 January (18:00) prior to the academic year of entry ie for September and the following February. The application deadline will not change but it should be noted that from 2019-20 entry, the two intakes may be combined. Please refer to the online prospectus which will be updated as further information becomes available.

Applicants are encouraged to apply as early as is consistent with having made a careful and considered choice of institutions and courses. Earlier applicants normally receive decisions more quickly, however, UCAS accepts that some applicants, especially those from outside the UK, may find this difficult. Late applications are, in practice, accepted by UCAS throughout the remainder of the application cycle, but you should understand that they are considered by institutions at their discretion, and there can be no guarantee that they will be given the same full level of consideration as applications received by the advisory closing date.

Applications for Nursing, Midwifery and Social Work must be submitted by the 15 January (18:00) deadline. Applications received after this date will not be considered.

Take care to enter the details of the institutions and courses clearly and correctly on the application. For Queen's, the institution code name is QBELF and the institution code is Q75. These should be entered in the Choices section of your UCAS application. Please note a Campus Code is not required.

## DEFERRED ENTRY

Most courses, except Nursing, Midwifery and Social Work, are happy to consider applications from students wishing to defer their year of entry. If you apply for deferred entry, you should tell us what you plan to do during your Gap Year in the personal statement section of your UCAS application.

## SUPPORT FOR CARE LEAVERS

Queen's University is committed to providing support for students from a care-experienced background and in recognition of this the University has been awarded the Buttle UK Quality Mark.

We have a dedicated member of staff available to support applicants through the application process, which continues throughout their undergraduate studies, including graduation and beyond.

We can guarantee 365-day University accommodation if required and we also award a £1,000 bursary. For more information about our bursary and support, please contact Deirdre Lynskey, [d.lynskey@qub.ac.uk](mailto:d.lynskey@qub.ac.uk) or visit our dedicated webpage at [qub.ac.uk/directorates/sgc/wpu/CareLeavers](https://qub.ac.uk/directorates/sgc/wpu/CareLeavers)

## PATHWAY OPPORTUNITY PROGRAMME

The University's Pathway Opportunity Programme provides a route for talented

young people from Northern Ireland who have the ability to study at Queen's, but may require additional support and encouragement due to disadvantage experienced, to reach their full potential.

Throughout Years 13 and 14 successful students will benefit from a structured series of events designed to aid progression to Queen's including admissions guidance and support. Students will also participate in a residential assessed summer school in July. Those who successfully complete the programme will potentially benefit from receiving a reduced offer which may be up to two A-level (or acceptable equivalent) grades lower than the standard offer. For further information please contact Widening Participation ([wpu@qub.ac.uk](mailto:wpu@qub.ac.uk)).

## DISABILITY SERVICES

The University is committed to ensuring equal opportunities for all of its students and actively encourages applications from people with disabilities or long term conditions. An individual's disability or long term condition is not considered prior to an offer being made and has no bearing on the decision.

The University offers an extensive range of supports for students with disabilities and long term conditions. The reasonable adjustments available are outlined in the Student Disability Policy, which is available at [go.qub.ac.uk/DisabilityPolicy](https://go.qub.ac.uk/DisabilityPolicy)

On receipt of an offer from the University, applicants who have disclosed a disability or long term condition will be asked to complete a questionnaire to allow Disability Services to determine reasonable adjustments, should they be accepted and placed on their chosen course at Queen's. The questionnaire is available at: [qub.ac.uk/directorates/sgc/disability/ProspectiveCurrentStudents/ProspectiveStudents](https://qub.ac.uk/directorates/sgc/disability/ProspectiveCurrentStudents/ProspectiveStudents)

Where it is anticipated from the information provided that the applicant will require significant support or will require modifications to the academic course, they will be invited to meet staff from Disability Services and relevant members from the academic School to discuss the applicant's individual needs. In a small number of cases where there are fitness to practise concerns or where reasonable adjustments may not be feasible to implement (which may arise as a result of the disclosure of a disability or long term condition after an offer of a place has been made or after a place has been taken up), advice will be obtained by Disability Services from the School, the University's Senior Medical Officer and appropriate external agencies to ensure every reasonable effort is made to support the student in taking up their offer on their chosen course at Queen's. Following these discussions, staff from Disability Services and the School will again offer to meet with the applicant to discuss the support available to enable them to make an informed judgement on the suitability of the course. In the exceptional and unlikely event where fitness to practise issues remain a concern or reasonable adjustments cannot be implemented, the University reserves the right to withdraw an offer or withdraw the student from their course.

The University recognises that the decision to disclose a disability or long-term condition is a personal one, although it is recommended that applicants do so as early as possible to support the timely implementation of agreed reasonable adjustments. If a disability or long term condition is not disclosed until a later stage, the University will endeavour to make any adjustments required before the start of the course, but it may not be possible to have everything in place before this.

Applicants who wish to appeal a decision not to implement adjustments requested which prevent the applicant from taking up their offer of a place on a course may write to the Director of Academic and Student Affairs to request a review of the decision. Further information is available in Annex 2 of the University's Student Disability Policy at: [qub.ac.uk/directorates/sgc/disability/UniversityPolicyonDisabilityRelatedPublications](https://qub.ac.uk/directorates/sgc/disability/UniversityPolicyonDisabilityRelatedPublications)

If you need any advice about disclosing disability, or the arrangements which we can make, please contact:

Disability Services  
t: +44 (0)28 9097 2727  
e: [disability.office@qub.ac.uk](mailto:disability.office@qub.ac.uk)

## APPLICANTS RETURNING TO EDUCATION

Queen's also welcomes applications from students who are returning to education. Each case will be considered on its individual merits and modified entrance targets may be set.

Life experience is not in itself sufficient grounds for admission and we require evidence of recent academic study (normally within the last five years) at a suitably high level which has led to positive results. The qualifications most frequently offered by such applicants are Access Courses (see information and table on pages 82-85), A-levels, BTEC Extended Diplomas/Higher National Certificates and Diplomas, Foundation Degrees and Open University credits. It is our experience that applicants stand a better chance of succeeding on their course if they have been able to acquire or improve skills of reading, analysis and writing beforehand.

While many subjects can be taken from scratch at university level, there are others, particularly in Science and Engineering, where considerable background knowledge is essential. For this reason, it is understandable that the majority of students who have entered university from this background are to be found in humanities and social science subjects.

Please be aware that undertaking a period of full-time study can have serious implications. Think it through carefully. It is a good idea for applicants to get some guidance and counselling from organisations such as [nidirect \(nidirect.gov.uk\)](https://nidirect.gov.uk) or from the University's Careers, Employability and Skills Service ([qub.ac.uk/careers](https://qub.ac.uk/careers)), in order to establish where their best interests and chances of success lie. We would also encourage applicants to contact the Admissions and Access Service ([admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)), who will be happy to provide advice.

## APPLICANTS WITH A CRIMINAL RECORD

It is the policy of the University to consider applications for admission on their individual merits in the light of all available information. The primary selection criteria are those related to the qualifications, skills, abilities and personal qualities of an applicant. The University will investigate the criminal record of a new applicant only if the primary selection criteria for a course have been met.

The University acknowledges the key role of education in the rehabilitative process and a criminal record will not debar an applicant unless the nature and seriousness of the offence in question are incompatible with:

1. the course applied for;
2. the ultimate professional or vocational goal;
3. participation in an academic and social setting and the University's responsibility to ensure a safe and neutral environment.

Regulations concerning admission of applicants who have a criminal record are available from the University's website at [qub.ac.uk/ado](https://qub.ac.uk/ado)

## APPLICATIONS FOR THEOLOGY

All applications for admission to full-time undergraduate courses in the University should be submitted through the Universities and Colleges Admissions Service (UCAS) at: [ucas.com/apply](https://ucas.com/apply).

Applicants for the Bachelor of Divinity or Bachelor of Arts Theology are invited to contact the University's Institute of Theology for advice on undergraduate study in Union Theological College ([theology@qub.ac.uk](mailto:theology@qub.ac.uk)). At the time of enrolment and registration students will also be required to register with the college. Information about Union Theological College, along with their contact details, is available on the Institute of Theology website ([qub.ac.uk/ithe](https://qub.ac.uk/ithe)).

## APPLICATIONS TO ST MARY'S UNIVERSITY COLLEGE AND STRANMILLIS UNIVERSITY COLLEGE

The Bachelor of Education (BEd) is taught at the recognised colleges of St Mary's University College and Stranmillis University College. The Colleges also offer other undergraduate degrees in Liberal Arts (St Mary's University College), Early Childhood Studies and Health and Leisure Studies (Stranmillis University College). Each College produces its own Prospectus to which you should refer. To obtain a Prospectus please contact:

St Mary's University College  
Admissions Office  
St Mary's University College  
191 Falls Road  
Belfast BT12 6FE  
t: +44 (0)28 9032 7678  
f: +44 (0)28 9033 3719  
[smucb.ac.uk](mailto:smucb.ac.uk)

The Admissions Policy for St Mary's University College can be found at: [smucb.ac.uk/admissions/admispolicy.asp?cid=132146167557](http://smucb.ac.uk/admissions/admispolicy.asp?cid=132146167557)

Applications for St Mary's University College should be submitted direct to the College.

Stranmillis University College  
Academic Registry  
Stranmillis University College  
Stranmillis Road  
Belfast BT9 5DY  
t: +44 (0)28 9038 4263  
f: +44 (0)28 9038 4444  
[stran.ac.uk](http://stran.ac.uk)

The Admissions Policy for Stranmillis University College can be found at: [stran.ac.uk/informationabout/theuniversitycollege/collegepoliciesa-z](http://stran.ac.uk/informationabout/theuniversitycollege/collegepoliciesa-z)

Applications for Stranmillis University College should be submitted through UCAS ([ucas.com/apply](http://ucas.com/apply)) in the normal manner.

## CREDIT ACCUMULATION AND TRANSFER SCHEME (CATS)

The University operates a CATS scheme. Further information is available from:

Admissions and Access Service  
Queen's University Belfast  
Belfast BT7 1NN  
t: +44 (0)28 9097 3838  
f: +44 (0)28 9097 5151  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
w: [qub.ac.uk/ado](http://qub.ac.uk/ado)

## DECISIONS ON APPLICATIONS

Decisions on applications are made on an ongoing basis for most courses. However, there is a limit on places for NI and EU students (but not for GB or International students except in the professional health-related courses). Therefore, to ensure that applicants are treated fairly and equitably, decisions on some NI and EU applicants, for high demand courses, may not be made until we are aware of the overall competition for places, after the UCAS advisory closing date.

After an offer is made this will be notified to applicants through UCAS. Confirmation will be emailed by the Admissions and Access Service and this communication will also include Terms and Conditions ([qub.ac.uk/Study/TermsandConditions](http://qub.ac.uk/Study/TermsandConditions)) which applicants should read carefully in advance of replying to their offer(s) on UCAS Track.

Faculties/Schools will provide opportunities to visit and we hope that this will assist applicants to make decisions on the offers they have received, which are best for them. They will also receive further information to guide them through the next steps, at appropriate stages in the admissions cycle.

## QUEEN'S UNDERGRADUATE ADMISSIONS POLICY

The University Admissions Policy provides additional information on a range of matters including feedback to unsuccessful applicants and the Admissions Appeals/Complaints Procedure. A copy may be accessed via the University's website at: [qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy](http://qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy)

## ADMISSIONS APPEALS AND COMPLAINTS PROCEDURE

Applicants who consider that their application has not been dealt with fairly should contact the Admissions and Access Service in the first instance ([admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)).

## REGISTRATION

Applicants accepted for a degree must provide original documentary proof of their academic qualifications (and English language qualifications and/or certified English translations where appropriate). Photographic identification (passport or driving licence) will also be required for registration. International students will be required to provide passport and visa information. Details for enrolment and registration will be provided in the New Students Welcome Guide.

## YOUR QUESTIONS ANSWERED

If you need further or more detailed advice about admission to Queen's, the Admissions and Access Service is happy to answer your questions. For further information, please contact:

Admissions and Access Service  
Queen's University Belfast  
Belfast BT7 1NN  
t: +44 (0)28 9097 3838  
f: +44 (0)28 9097 5151  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
w: [qub.ac.uk/ado](http://qub.ac.uk/ado)

## ACADEMIC TECHNOLOGY APPROVAL SCHEME – ATAS (NON EU/EEA APPLICANTS) – INTERNATIONAL SECTION

Academic Technology Approval Scheme – ATAS (Non EU/EEA applicants) Non EU/EEA applicants who intend to undertake an Enhanced Undergraduate degree programme (MEng or MSci) in Science, Engineering or Technology disciplines including Materials Science, Materials Technology, Chemical, Process and Energy Engineering, Aerospace Engineering, Mechanical Engineering or Physics are required to obtain an ATAS Certificate. This is a requirement for most immigration categories, even those who do not require a Tier 4 visa, but who may have been granted

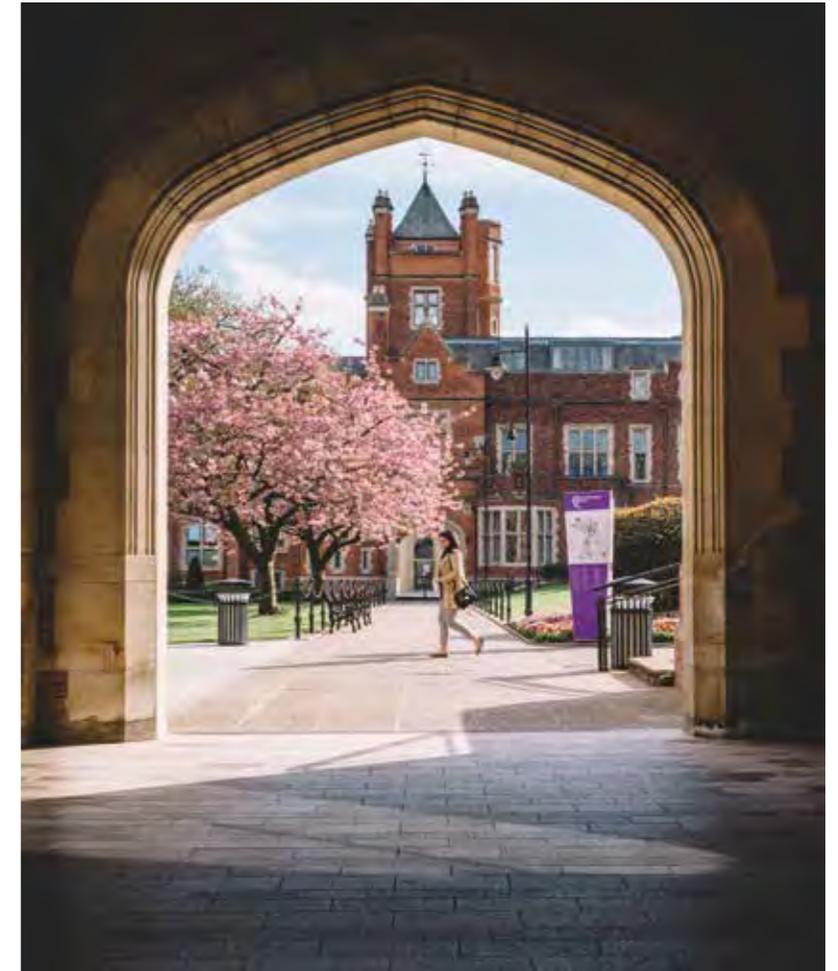
another form of time-limited leave to remain, eg, as a dependant, family member, or refugee. The only exception is for applicants holding Indefinite Leave to Enter/Remain or other form of unlimited leave.

The Admissions and Access Service will issue the appropriate documentation required to allow applicants to apply for ATAS clearance where applicable. An ATAS certificate must be obtained before an application for a Tier 4 visa can be made, ie it will be a mandatory part of the immigration process.

An ATAS Certificate is valid for six months from the date of issue by the Foreign & Commonwealth Office. Applicants may apply for an ATAS Certificate up to six months in advance of the beginning of the degree programme. Further information is available at [fco.gov.uk/atas](http://fco.gov.uk/atas)

## IMMIGRATION/VISA INFORMATION

If you are from outside the European Economic Area and Switzerland, you will need a Tier 4 (General) Student visa to study in the UK. See [gov.uk/tier-4-general-visa](http://gov.uk/tier-4-general-visa) for full details.



# OUR WELCOME PROGRAMME FOR NEW STUDENTS

## ENROLMENT AND REGISTRATION

Details of arrangements for enrolment and registration will be sent to your home address in late August. This will include your Queen's University email account, student number and credentials for logging on to Qsis, the University's Student Information System. During registration, you must provide documentary proof of your qualifications and an approved form of photographic identification eg a passport. International students will be required to provide passport and satisfactory visa information before they can enrol. All students will be asked at enrolment to confirm that they will abide by the Terms and Conditions which are sent to them as part of their offer of a place at the University.

## WELCOME WEEK

This week comprises official registration on to your course of study as well as a welcome and orientation programme. You are required to be available throughout the week.

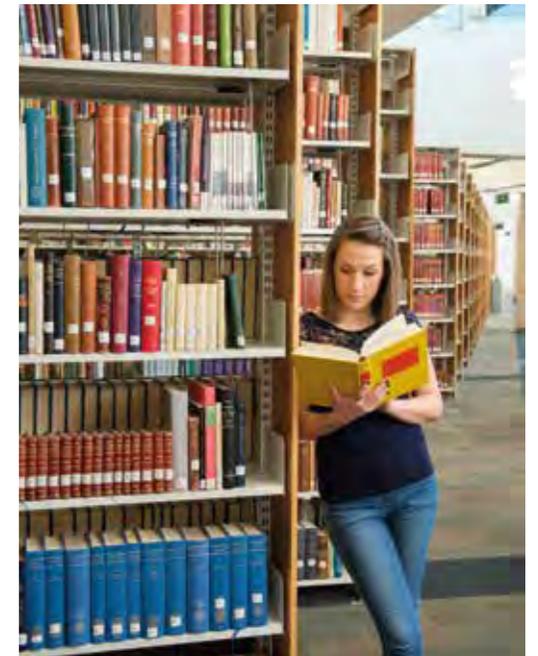
## INTERNATIONAL WELCOME AND ORIENTATION PROGRAMME

We meet International students on arrival (at either George Best Belfast City Airport or Belfast International Airport) and help organise transport to your accommodation.

International students then take part in a five-day orientation programme, before the main Welcome Week. We'll help you settle in to the University, the campus, and the city of Belfast. We'll also help you register with a doctor, organise a UK bank account and mobile phone, show you where to go shopping and give you plenty of opportunities to make new friends.

## WELCOME AND ORIENTATION

The University has a welcome and orientation programme for new students. The programme aims to help students settle in quickly to the University. Full details are available from [qub.ac.uk/welcome](http://qub.ac.uk/welcome) with links to organised events and activities on campus and providing you with important information about key student services and levels of service provision you can expect to receive at Queen's. Your University School is central to this programme and with numerous opportunities to meet staff and other students – make sure you get involved!





# A-Z OF DEGREES

For up-to-date course information, please visit the University's online Course Finder: [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder)

# ACCOUNTING

Accounting is concerned with the provision of economic information for both internal and external organisational stakeholders.

This degree is designed for students who intend to enter the accounting profession and as such contains considerable practical content, as well as essential theory in the various specialisations of Financial Accounting, Management Accounting, Auditing, Taxation and Finance.

## COURSE CONTENT

The Single Honours Accounting degree comprises compulsory modules together with optional modules available in the School.

The modules are:

### Year 1

- Accounting Information Systems\*
- Introduction to Legal Study and Basic Contract Law
- Introductory Financial Accounting\*
- Introductory Management Accounting\*
- Principles of Economics\*
- Statistical Methods\*

### Year 2

- Financial Accounting\*
- Financial Decision-making\*
- Financial Market Theory
- Management Accounting\*
- Managerial Behaviour

### Optional Modules

- Managerial Economics
- Data Analysis and Optimisation

### Year 3

- Advanced Financial Accounting\*
- Advanced Management Accounting\*
- Auditing and Accountability
- Law of Business Organisations\*
- Taxation\*

### Optional Modules

- Issues in Not-for-Profit and Public Sector Accounting
- Supply Chain Management
- Entrepreneurship

**Note:** students completing Accounting with either French or Spanish, complete four Accounting based modules each year (indicated with an \*) and complete one year-long language module.

## WHY QUEEN'S?

### Professional Exemptions

The degree is accredited by the Association of Chartered Certified Accountants (ACCA), the Chartered Institute of Management Accountants (CIMA), Chartered Accountants Ireland (CAI), the Institute of Chartered Accountants England and Wales (ICAEW), Chartered Institute of Public Finance and Accountancy (CIPFA) and Association of International Accountants (AIA). You will gain automatic exemptions from some professional examinations on completion of the course.

### Student Satisfaction

Our Accounting programme received a student satisfaction rate of 87 per cent in the 2017 National Student Survey (NSS), ranking joint 12th in the UK.

### World-Class Facilities

You will have access to Bloomberg terminals in the FinTrU Trading Room, giving students the skills, experience and knowledge necessary to prepare them for a career in the financial services sector.

### Student Experience

The majority of the Accounting modules have prizes which are sponsored by employers or professional bodies. Students can join the Trading and Investment Club, a student-run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

### Prizes and Awards

Top performing students are regularly awarded prizes and scholarships from leading financial companies such as PwC, KPMG, Baker Tilly Mooney Moore, BDO, ASM and EY.

### BSc Honours

Accounting 3 yrs (N400)

Accounting with French 4 yrs (N4R1)

Accounting with Spanish 4 yrs (N4R4)

### BSc Joint Honours

Economics and Accounting (see page 160)

See also Economics and Finance

## Entrance Requirements

### Accounting

#### A-level:

AAB + GCSE Mathematics grade B

### Accounting with a Modern Language

#### A-level:

AAB + GCSE Mathematics grade B

For French option: normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language

For Spanish option: normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language

**Note:** if the language is studied at a higher level then the grade required at that level must be achieved.

**Economics and Accounting** – see Economics and Accounting entry

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Normally the majority of our students become qualified accountants; however, many of the skills that students will acquire during their studies at Queen's will be of great value in different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand financial information and work productively as part of a team.

The Accounting degree offers a firm base for either further academic study or taking the final examinations of the main professional accountancy bodies. It attracts students of the very highest calibre and is recognised by the accounting profession, industry and the public sector. As a result, Accounting graduates from Queen's are much sought after throughout Britain, Ireland and further afield.

The Accounting course attracts the maximum exemptions available for any undergraduate programme from the examinations of Chartered Accountants Ireland (CAI), subject to meeting specified criteria. Exemptions are also available from the examinations of the Association of Chartered Certified Accountants (ACCA), the Chartered Institute of Management Accountants (CIMA), the Institute of Chartered Accountants in England and Wales (ICAEW), Chartered Institute of Public Finance and Accountancy (CIPFA) and Association of International Accountants (AIA).

The Accounting Group at Queen's liaises closely with prospective employers and with colleagues in the Student Guidance Centre, particularly with respect to Careers, Employability and Skills. For example, dedicated Careers Employability and Skills events and workshops are provided for Queen's Accounting students. These activities enhance the employability of our students and support graduate recruitment and selection.

### Graduate Careers and Achievements

A degree in Accounting from Queen's offers a firm base either for taking the examinations of the main professional bodies or further academic study. Career options as a qualified accountant are extremely varied and the employment opportunities for our Accounting graduates remain strong, both nationally and globally. Queen's has traditionally provided a high proportion of graduate entrants to the Accounting profession in Northern

Ireland and many of our former graduates have risen to the top of their fields.

If you choose to work 'in practice' for an accountancy firm you might be involved in preparing tax returns, tax planning, audit and forensic work, internal audit, corporate finance, consultancy or even preparing accounts. For more information on what these jobs entail, please visit the websites of both the local and international accountancy firms.

The majority of qualified accountants work 'outside practice'; for example, in industry, in the public sector, voluntary sector or the banking sector. They are involved as financial or management accountants, internal auditors and often in senior management roles.

Typical career destinations of graduates include:

- Financial accountant
- Management accountant
- Management consultancy
- Analyst
- Auditor
- Adviser
- Forensic accountant
- Researcher
- Financial controller
- Partner
- Banker

Graduate employers include: PwC; EY; KPMG; Deloitte; Grant Thornton; BDO; Moore Stephens; Baker Tilly Mooney Moore; ASM; Ulster Bank; Bank of Ireland.

### Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.



**7TH IN THE UK FOR ACCOUNTING AND FINANCE**  
(Times and Sunday Times Good University Guide 2018)

"In my experience detailed help and feedback is available to you when asked for from your lecturers, who are keen to promote your success and are often leading contributors to the academic field they teach."

David Grant, 3rd Year Accounting

"The course has helped me enhance my CV, improve group work and presentation skills and allowed me to build up relationships with employers - all of which helped me begin my final year with multiple job offers."

Ciara Woods, 3rd Year Accounting

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Martin Kelly,  
Programme Director, BSc Accounting  
Queen's Management School

e: [martin.kelly@qub.ac.uk](mailto:martin.kelly@qub.ac.uk)  
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w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# ACTUARIAL SCIENCE

The BSc Actuarial Science and Risk Management programme has been designed by qualified actuaries to enable students to develop the theoretical and practical skills required to pursue a career as an actuary or as a professional in the financial industry.

In addition, students may gain up to eight exemptions from the professional exams required to qualify as an actuary via our accreditation with the Institute and Faculty of Actuaries.

## COURSE CONTENT

The duration of the BSc Actuarial Science and Risk Management degree is four years, with Year 3 spent in a salaried placement in an actuarial or risk management environment.

In each of Years 1, 2 and 4, the following modules are studied:

### Year 1

- Actuarial Mathematics 1
- Financial Reporting and Analysis
- Introduction to Statistics and Operational Research
- Price Theory
- Principles of Economics
- Introduction to Statistics and Operational Research Methods
- Placement Preparation

### Year 2

- Actuarial Mathematics 2
- Actuarial Methods in General Insurance
- Financial Risk Modelling
- Investment Analysis
- Excel and VBA
- Principles of Actuarial Modelling
- Placement Preparation

### Year 3

- Placement Year\*

### Year 4

- Actuarial Modelling
- Capital Markets
- Financial Econometrics
- Financial Engineering
- Actuarial Applications
- Stochastic Processes for Finance

\*Placement Year

Students undertake a minimum of nine months in a salaried work placement. Placement allows students to develop highly-valued practical skills. Recent placement providers have included Aviva, Irish Life, Kerr Henderson, Spence & Partners, SCOR, The Pension Protection Fund and Pramerica.

## WHY QUEEN'S?

### City Scholarships

The Placement Office also helps in the recruitment of first-year students for the popular City Scholarship Programme – a summer internship with a company in New York, Dublin, London, Liverpool or Edinburgh. Students can also apply to take part in the Business and Finance Study Tour, which allows participants to meet senior employees from leading financial institutions.

### Student Societies

Students may wish to join the Queen's University Trading and Investment Club, a student-run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars. The Student Managed Fund, currently securing real money, gives students the opportunity to be part of an investment management process. The Finance & Actuary Society runs social and educational events for members, such as the end-of-year formal.

### Software

Students on the course will be given the opportunity to develop their modelling skills and will use software such as Model Risk and the Bloomberg terminals in the FinTrU Trading Room.

## BSc Honours

Actuarial Science and Risk Management 4-yr SW (N323)

See also Finance and Mathematics with Finance

## Entrance Requirements

### A-level:

A\*AA including Mathematics

OR

AAA + A (AS) including A-level Mathematics

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Accreditation

Subject to academic performance, students can gain up to eight exemptions from the Institute and Faculty of Actuaries (IFoA) professional exams.

## Prizes and Awards

A number of local employers and professional bodies sponsor prizes on an annual basis for best students in their level, module or category. These include Invesco, The Company of Actuaries Charitable Trust Fund, SCOR Global Life, Mercer, Pramerica, Spence & Partners, Acumen Resources, Xafinity Consulting, and Allianz Re Dublin.

## CAREERS/FURTHER STUDY

Students pursuing a career in Actuarial Science should enjoy working with numbers, be effective communicators and work well with people as they will have to analyse and interpret financial and other information to meet the needs of different users, including managers and investors.

## Consultations

We regularly consult and develop links with a large number of employers including all the major actuarial employers in Northern Ireland and Ireland and a selection of employers from mainland Great Britain. We host annual employer liaison meetings for the course as well as annual actuarial careers fairs at which students can engage with actuarial employers on a one-to-one basis.

The establishment of SoNIA (Society of Northern Ireland Actuaries) by staff in Queen's Management School has facilitated a continuous and seamless engagement between academics, actuarial employers and Queen's students whereby students can gain access to the profession. They have an opportunity to discuss issues that are concerning the industry and that are of importance to qualified actuaries. Students can also develop excellent networking, communication, and business awareness skills from the start to end of their academic progression ensuring that they can fully compete in the competitive graduate employment market.

## Placement Employers

Recent placement providers have included Aviva, Irish Life, Kerr Henderson, Spence & Partners, SCOR Global Life, The Pension Protection Fund and Pramerica.

## Graduate Careers and Achievements

The degree has professional accreditation with the Institute and Faculty of Actuaries, the professional body, such that students succeeding on the degree can also achieve exemptions from subjects CT1 – CT8 of the professional exams, subject to certain conditions being met.

Graduates from this degree at Queen's are well regarded by many employers (local, national and international) with approximately 90-95 per cent of graduates finding high-level actuarial employment within several months of graduation. Furthermore, several students are offered full-time positions with their placement provider.

The traditional areas in which actuaries are employed include:

- Actuarial Consultancies
- Insurance Industry
- Pensions Industry
- Investment Industry

Graduate employers include: Kerr Henderson; Spence & Partners; NFI Mutual; Invesco; Boal & Co; Towers Watson; Allianz Insurance; Mercer; AXA Insurance; Deloitte; Capita; Liberty Mutual Insurance; PwC; Pramerica; Metlife; Xafinity.

## Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

“During my third year, I was on a placement with Allianz Re Dublin Limited, working as a student actuary. Through the placement, I not only learnt some technical skills such as VBA coding, analytical reasoning and problem solving, it also gave me opportunities to gain an insight of an actuary's job scopes and responsibility.”

Jo Khoon Loh, Malaysia  
BSc Actuarial Science and Risk Management (2015)

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.



“The course is widely regarded and respected, and has opened many doors personally in relation to ‘Insight’ visits in Belfast, Glasgow, Edinburgh and London.”

Samuel Stewart, Northern Ireland  
3rd Year, BSc Actuarial Science and Risk Management

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

Dr Mark Farrell,  
Programme Director  
Queen's Management School

e: [mark.farrell@qub.ac.uk](mailto:mark.farrell@qub.ac.uk)  
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w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# AEROSPACE ENGINEERING

Aerospace Engineering is at the cutting edge of technology, understanding and applying scientific principles to the design, development and service of some of the most technologically advanced engineering products in the world. Graduate aerospace engineers work in a diverse range of fields from commercial aircraft and helicopter development to spacecraft systems and Unmanned Aerial Vehicles.

With the ability to succeed in varied and challenging situations, aerospace engineers are naturally versatile, which opens up a wide range of career opportunities. Our graduates can be found in leading private and public sector companies worldwide.

## COURSE CONTENT

The Aerospace Engineering degrees at Queen's University Belfast are designed to develop modern graduate engineers with the right balance of mathematical, scientific and applied problem-solving skills to be future engineering leaders.

Major study themes are:

### Aircraft Design

Core to our degrees is the understanding of the aircraft development process, and students are guided through the development of the skills necessary to transform customer requirements into state-of-the-art aerospace technology.

### Aerodynamics, Fluid Mechanics and Propulsion

The study of air flow around and through objects is key to understanding how forces such as lift, drag and thrust are generated. Modules in aerodynamics, fluid mechanics and propulsion explore these concepts in detail, developing both fundamental understanding and expertise in state-of-the-art computational simulation.

### Flight Mechanics and Avionics

The motion of aircraft in 3D space is highly complex, and students are introduced to how aircraft handling and performance are linked to the many systems within an aircraft. Avionics demonstrates how instrumentation can be used for navigation and for understanding concepts such as GPS and communications systems.

## Structural Design, Manufacturing and Materials

Structural strength and rigidity are vitally important for safe flight. Students combine an understanding of material properties and manufacturability with the use of sophisticated computational analysis and design methods to develop high-performance aerospace structures.

## Professional Studies

In order to understand the role of the engineer in society, technical modules are accompanied by professional studies such as accounting, economics, law and management.

## WHY QUEEN'S?

**Accreditation/Registration:** our BEng/ MEng degrees are accredited by the Royal Aeronautical Society.

**Facilities:** the School has a wide range of experimental facilities to support aerodynamics, structures, materials and manufacturing teaching. It also operates a flight simulator and runs an annual flight laboratory course.

**Placement/Study Abroad:** past students have gained placements with global organisations such as Airbus, BAE Systems, Red Bull Technology and Rolls Royce. There are opportunities to work/study abroad through the IAESTE, Erasmus and Study USA exchange programmes.

## BEng Honours

Aerospace Engineering 3 yrs (H400)

Aerospace Engineering with a Year in Industry 4-yr SW (H404)

## MEng Honours

Aerospace Engineering 4 yrs (H402)

Aerospace Engineering with a Year in Industry 5-yr SW (H405)

See also Mechanical Engineering and Product Design Engineering

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

#### BTEC Higher National Diploma:

Those with good grades in a relevant Higher National Diploma will be considered on their individual merits for entry to Stage 2.

### MEng

#### A-level:

AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** applicants for the MEng degree will automatically be considered for admission to the BEng degree if they are not eligible for entry to the MEng degree both at initial offer making stage and when results are received.

**Option to Transfer:** transfers between BEng and MEng may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Leadership Programme

Students are offered an optional Engineering Leadership Programme and a range of Employability Development workshops.

## CAREERS/FURTHER STUDY

A degree in Aerospace Engineering from Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions alike.

The versatility of Aerospace Engineering graduates makes them well suited for a wide range of careers, both within engineering and in the wider graduate sector, and many of our students continue into PhD study.

The degree is developed in conjunction with our Industrial Advisory Forum, and our graduates rise to the top of their fields and include notable figures such as Michael McKay (Flight Operations Director for ESA Mars and Lunar Missions, European Space Agency), Michael Ryan (President, Aerostructures and Engineering Services, Bombardier Aerospace, Belfast) and Air Commodore David Case (Royal Air Force).

## Further Study

Further study is also an option – graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.



“Queen's Aerospace Engineering degree opened doors I never imagined. It was exciting, challenging and rewarding. The quality of the teaching is incomparable and the facilities and resources are exceptional.”

Robbie Stevens, Hollywood, Northern Ireland  
MEng Aerospace Engineering graduate

Queen's is ranked 14th in the UK for Aeronautical and Manufacturing Engineering.

(Times and Sunday Times Good University Guide 2018)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
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School of Mechanical and Aerospace Engineering

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w: [qub.ac.uk/mechaero](http://qub.ac.uk/mechaero)

# AGRICULTURAL TECHNOLOGY

The agricultural industry is undergoing an unprecedented period of change. Traditional reliance on production is being challenged through changes in government policy at local, national, European and global levels, as well as changes in consumer demand.

Agricultural production now requires an understanding of these demands and other concerns regarding food quality and safety and the environmental impact of production methods in the short, medium and long term.

The Agricultural Technology degree programmes enable graduates to gain an understanding of:

- Crop and animal production systems for the sustainability of the agricultural industry, including the underpinning scientific, economic and business principles and the applicability of recent developments
- The impact of global, EU and regional policy on the agricultural industry
- Assessing agri-environment interactions and devise environmental management strategies
- Managing agriculture as a business
- A professional approach to the work environment, study and lifelong learning
- Devising, managing and evaluating project work

## COURSE CONTENT

The Agricultural Technology degree programmes are provided jointly by the School of Biological Sciences and the College of Agriculture, Food and Rural Enterprise (Greenmount Campus, Antrim).

Stages 1 and 2 are delivered at Greenmount Campus, where students are involved in the work and management of specific agricultural enterprises. Professional Studies students spend their third year on placement, and Stage 3 is delivered at Queen's University Belfast.

The modules are:

### Stage 1

- Applied Animal Science
- Applied Crop Science
- Enterprise Technology

- Introduction to Business and Research Methods
- Mechanisation and Farm Buildings

### Stage 2

- Agri-food Business Marketing and Management
- Crop Production Systems
- Livestock Production and Management
- Sustainable Agriculture

### Work Placement

- Agricultural Technology students will complete a 16-week, degree-related work placement
- Agricultural Technology with Professional Studies students will complete a one-year, degree-related work placement

## BSc Honours

Agricultural Technology 3 yrs (D473)

Agricultural Technology with Professional Studies 4-yrs SW (D470)

## Entrance requirements

### A-level

BBB including at least two relevant subjects (see list below) + GCSE Mathematics grade C

OR

.ABB including a relevant subject (see list below) + GCSE Mathematics grade C.

**Note:** applicants not offering either Biology or Chemistry at A-level should have GCSE Chemistry grade C or GCSE Double Award Science grades CC

### Relevant Subjects:

Agricultural Science, Biology, Chemistry, Computer Science, Digital Technology, Environmental Science/Technology, Geography, Geology, Home Economics, ICT, Life and Health Sciences, Mathematics, Physics, Physical Education, Psychology, Technology and Design. Other subjects considered on an individual basis.

### BTEC Extended Diploma:

A relevant Agriculture/Science BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Stage 3

- Advances in Crop and Animal Science, and Technology
- Business Innovation and Entrepreneurship
- Farm Animal Health and Welfare
- Global Issues in Agriculture
- Policies for Environmental Sustainability
- Project Work

## WHY QUEEN'S?

### Employability

The degree has been developed in consultation with employers, industry and academics, to offer students a combined curriculum of formal education and practical experience, which is designed to enhance employability and graduate skills.

### Facilities

A unique feature of this degree is the opportunity for students to take responsibility for the operation and management of a College farm enterprise, allowing immediate practical application of knowledge.

### Work Placement

Embedded work placements on this degree programme provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

Past students have gained work placement with organisations such as the Agri-Food and Biosciences Institute, Countryside Services, Dale Farm, Fane Valley, John Thompson and Sons, Monaghan Mushrooms, Moy Park, and Millridge Ltd and Tamar Farming Co. (both in New Zealand).

## CAREERS/FURTHER STUDY

Studying a degree in Agricultural Technology provides a wide range of graduate opportunities for students interested in the agricultural, agri-environmental and related industries. The majority of our graduates will seek careers in the agricultural, agri-environment or agri-food sectors, in roles including marketing/sales, production and management, technical advice, and research and development in commercial companies.

### Employer Links

This programme was developed after extensive consultation with government bodies, major farming organisations, the food processing sector, farmers and conservation

organisations, and the curriculum reflects these consultations. This close industry involvement has continued. The initial years of this programme were overviewed by an industry group representing LANTRA, AFBI, DARD (now DAERA) and the UFU. Industry representatives play a significant role in the operation of student learning projects where they use their expertise to guide students running major college enterprises.

Students organise an industry symposium as part of final year, providing opportunities to engage with key stakeholders within the local industry. In addition, major employers such as Dunbia, Moy Park and John Thompson and Sons have contributed competitive bursaries to support students on these degrees.

### Placement Employers

The work placement is compulsory and is assessed as an integral component of the degree programme, contributing five per cent (three-year programme) and 10 per cent (four-year programme) to the final degree classification. Students are supported in obtaining work placement through a series of workshops and by a dedicated School Work Placement and Careers Adviser. We work repeatedly with a number of employers and students can also propose their own placement.



## Further Study

Further study is also an option – development of research skills in final year through project work means that graduates are also well equipped for postgraduate study for PhDs, and can choose from a wide range of Master's programmes, including those in Animal Behaviour and Welfare and Leadership for Sustainable (Rural) Development offered through the School of Biological Sciences.

**Applied animal and crop science and production, and farm management form the basis of this degree, thereby enabling students to gain a good grounding in these subject areas. The Agricultural Technology degree programmes are provided jointly by the School of Biological Sciences and CAFRE (the College of Agriculture, Food and Rural Enterprise – Greenmount Campus, Antrim). CAFRE students can undertake a one-year placement to help gain vital experience of working in industry.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Niamh O'Connell  
Course Co-ordinator  
School of Biological Sciences

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t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# ANTHROPOLOGY

Anthropology is the study of the diversity of humankind around the world. The BA in Anthropology will allow you to examine some of the deepest and most pressing questions about human beings while providing you with skills increasingly in demand in a globalised world. Through both classroom modules and your own fieldwork, you will gain valuable skills in critical thinking, cross-cultural understanding, researching, interviewing, writing, and presenting.

## COURSE CONTENT

The BA in Anthropology is constructed around four innovative, engaged themes:

### 1. What Makes Us Human?

Modules may include: Being Human: Evolution, Culture and Society; World on the Move; Human Animal Relations.

### 2. Conflict, Peacebuilding and Identity

Modules may include: Us & Them: Why We Have Ingroups and Outgroups; Why Are Humans Violent? Understanding Violence, Conflict and Trauma.

### 3. Arts, Creativity and Music

Modules may include: Being Creative: Music, Media and the Arts; Sound Cultures: Music, Noise from Around the World and The Politics of Performance.

### 4. Morality, Religion and Cognition

Modules may include: Apocalypse: The End of the World; In Gods We Trust: The New Science of Religion; Human Morality; Love, Hate and Beyond: Emotions, Culture, Practice.

**Note:** that this is not an exclusive list and these options are subject to staff availability.

## WHY QUEEN'S?

### Global Opportunities

As part of their dissertation study in years 2 and 3, students have carried out ethnographic field research around the world, including on orphanages in Kenya, AIDS in southern Africa, education in Ghana, dance in India, NGOs in Guatemala, music in China, marriage in Japan, backpacking in Europe, and whale-watching in Hawaii.

Students have the opportunity to use practice-based research skills during eight weeks of ethnographic fieldwork in areas of their specialisation, which can entail working with organisations around the globe.

### World-Class Facilities

- The Senator George J Mitchell Institute for Global Peace, Security and Justice
- Institute of Cognition and Culture
- Institute of Irish Studies
- Two International Summer Schools (the Irish Studies Summer School; and the Conflict Transformation and Social Justice Summer School)
- The Performance Room, including a variety of musical instruments from around the world

### Internationally Renowned Experts

Queen's Anthropology is internationally renowned in Ethnomusicology and performance, Conflict and borders, Religion, Cognition and culture, Migration and diasporas, Irish studies, Material culture and art, Human-animal relations, and the Cross-cultural study of emotions.

### Student Experience

Anthropology student satisfaction at Queen's is 85 per cent (National Student Survey 2017), ranked joint 9th in the UK.

## CAREERS/FURTHER STUDY

Career pathways typically lead to employment in:

1. Development, NGO work, International Policy, Public Sector
2. Journalism, Human Rights, Conflict Resolution, Community Work

### BA Single Honours

Anthropology 3 yrs (L600)

### BA Joint Honours

Anthropology and English 3 yrs (QL36)

Anthropology and French 4 yrs (RL16)

Anthropology and History 3 yrs (VL16)

Anthropology and Irish 3 yrs (QL56)

Anthropology and Spanish 4 yrs (LR64)

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Anthropology. However, if you plan to study Anthropology as a Joint Honours degree you should refer to the subject requirements for the other course.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

3. Arts Administration, Creative Cultural Industries, Media, Performance, Heritage Policy, Museums, Tourism
4. Public and Private Sector related to Religious Negotiation, Peace Building, Multiculturalism, Diversity
5. Teaching in schools
6. Academic Teaching and Research

### Close Links with Employers

Internships will match dissertation students with organisations and institutions relevant to their career paths by building on local and international staff networks and professional connections.

### Current placement partners include:

- Operation Wallacea, which works with teams of ecologists, scientists and academics on a variety of bio-geographical projects around the globe.
- Belfast Migration Centre, which offers students of the module 'Migration, Displacement and Diasporas' internship opportunities in their 'Belonging Project'.

"The fieldwork and dissertation have been central to my experience as an Anthropology student. While I am sure it will stand me in good stead in my future search for employment, its central value was as a practice which revealed what Anthropology is really about; through fieldwork, the abstract and theoretical concepts which we had absorbed in two years previous study became immediate and concrete; the subject came alive."

Samuel Ward,  
BA Anthropology

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School of History, Anthropology,  
Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

### Further Study

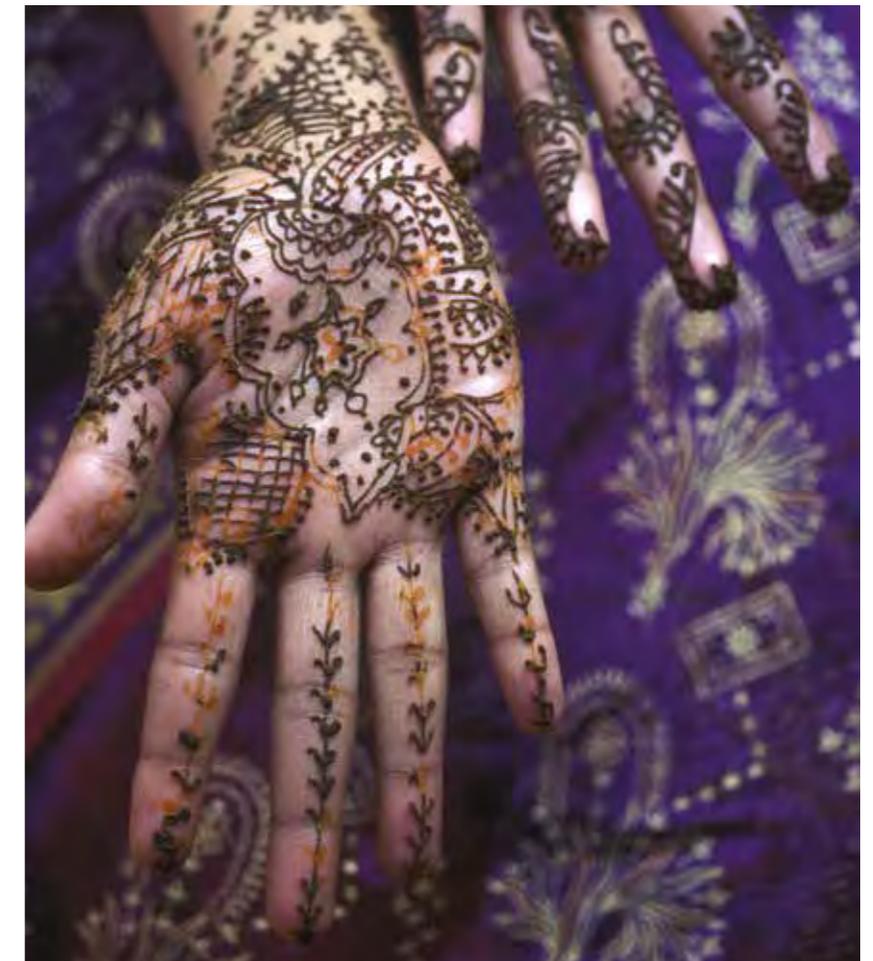
Further study is also an option (eg MA Anthropology, MA Conflict Transformation and Social Justice); see the School website for details.



**3RD IN THE UK FOR ANTHROPOLOGY**  
(GUARDIAN UNIVERSITY GUIDE 2018)

"I love my course – the lecturers are really helpful and approachable and they are always willing to give you advice when you need it. I like the fact that my course is small, it means that everyone knows each other, we can help each other out, when it comes to essays and exams. The chance to do our own fieldwork is great and the School seems really determined to help you with your dissertation work."

Sarah Singleton,  
BA Anthropology



# ANTHROPOLOGY AND HISTORY

History is concerned with contested interpretations of the past and the nature of historical knowledge across diverse time periods and geographical regions. This encourages an engagement with the general methodological and theoretical approaches of historians from social, cultural, political, economic, and gender perspectives.

Anthropology is concerned with key debates regarding culture and society, examined by comparative methods and ethnography, which entails engagement and participation in the field. This promotes an understanding of diversity across a range of cross-cultural fields, including kinship, economy, ecology, religion, gender, art, music and morality.

## COURSE CONTENT

The Joint Honours Anthropology and History degree comprises compulsory modules together with optional modules. Students will choose three modules from each subject totalling six modules for the year. The modules are:

### HISTORY

#### Year 1

Modules at Level 1 offer a systematic introduction to the discipline of History, partly by sampling some of the many different approaches that historians take in studying the past, and partly by an exploration of some of the major questions of theory and method with which they are concerned.

#### Year 2

Modules at Level 2 are generally survey modules seeking to convey a sense of the principal events, trends and developments in a particular country or region over a fairly long time span.

Examples include:

- Alexander the Great
- Europe Between the Wars
- Nineteenth-Century Ireland
- The American South, 1619-1865

#### Year 3

Taught modules at Level 3 are more specialised, offering the opportunity to study a short period or a particular theme or problem in detail, working from documents as well as secondary sources.

Examples include:

- The Rise of Christianity
- The Peasants Revolt 1381
- Presbyterians in Ulster, 1690-1840
- The Irish Revolution
- Thatcher's Britain

In addition, Joint Honours students at Level 3 may choose to complete a double module dissertation based on an individually assigned research topic chosen in consultation with a supervisor.

### ANTHROPOLOGY

The modules in Anthropology are constructed around four innovative, engaged themes:

#### 1. What Makes Us Human?

Modules may include: Being Human: Evolution, Culture and Society; World on the Move; Human Animal Relations.

#### 2. Conflict, Peacebuilding and Identity

Modules may include: Us & Them: Why We Have Ingroups and Outgroups; Why Are Humans Violent? Understanding Violence, Conflict and Trauma.

### BA Joint Honours

Anthropology and History 3 yrs (VL16)

See also History, History and International Studies, History and Politics

### Entrance Requirements

#### A-level:

ABB

#### All applicants:

There are no specific subject requirements to study Anthropology and History

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

### 3. Arts, Creativity and Music

Modules may include: Being Creative: Music, Media and the Arts; Sound Cultures: Music and Noise from around the World.

### 4. Morality, Religion and Cognition

Modules may include: Apocalypse: The End of the World; In Gods We Trust: The New Science of Religion; Human Morality; Love, Hate, and Beyond.

As part of their dissertation study in years 2 and 3, undergraduate Anthropology students have carried out ethnographic field research around the world, including on orphanages in Kenya, AIDS in southern Africa, education in Ghana, dance in India, NGOs in Guatemala, music in China, marriage in Japan, backpacking in Europe, and whale-watching in Hawaii.

**Note:** that this is not an exclusive list and these options are subject to staff availability.

### WHY QUEEN'S?

#### Global Opportunities

As part of undergraduate training, students carry out an eight-week spell of ethnographic fieldwork in places across the world.

Study Abroad: all students within this degree programme will have the possibility of opting to study for a semester abroad at an English-speaking university in mainland Europe.

There is also a possibility for some to spend an additional year in the United States under the Study USA programme.

#### Industry Links

Placements: internships have been developed to allow students the opportunity to carry out work experience in history-related fields.

#### Top Ranking

History at Queen's is ranked in the top 150 in the world (QS World Rankings by Subject 2017) and Anthropology is ranked 3rd in the UK (Guardian University Guide 2018).

### CAREERS/FURTHER STUDY

#### Skills to enhance employability

Studying for a degree in Anthropology and History at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic

institutions. Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including Anthropology and History.

#### Employment

The following is a list of the major career sectors that have attracted our graduates in recent years:

- Development, NGO work, International Policy, Public Sector
- Journalism, Human Rights, Conflict Resolution, Community Work
- Arts Administration, Accountancy, Creative Industries, Media, Performance, Heritage, Museums, Tourism
- Public and Private Sector related to Religious Negotiation, Multiculturalism/Diversity
- Teaching in schools

#### Further Study

Further study is also an option; information on Master's programmes (eg MA History; MA Anthropology) and research topics is available from the School website.

“Doing an Anthropology dissertation is great for allowing you to use your own creativity and actually apply your knowledge rather than simply learning from others. It is a fantastic way of building confidence for any future career as it gives you the opportunity to expand on something independently and looks great on the CV!”

Genevieve Bigger,  
BA Anthropology

#### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

#### Course information

School of History, Anthropology,  
Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)



# ARCHAEOLOGY AND PALAEOECOLOGY

Archaeology explores a wide range of evidence that documents the human past – from artefacts, monuments and settlements to entire landscapes – and from these interprets how societies have adapted and developed. Modules focus on different periods of World, European and Irish/British archaeology from human origins to modern times and heritage.

Palaeoecology studies environmental evidence to assess the impact of natural events and human activities on landscapes, climate and changing environments. Modules examine themes such as ancient environments, evolution, economic and climate change.

The combined disciplines progressively develop general and specific knowledge and skills, through excavation, fieldwork, overseas fieldtrips, laboratory and practical work.

## COURSE CONTENT

All students normally take six Level 1 modules. Students on Joint Honours degree programmes normally take three Archaeology/Palaeoecology modules, in addition to three modules from their second subject.

Note: some modules may be subject to change.

### Level 1

Level 1 covers both disciplines, and the modules are introductory courses which assume no previous knowledge. They may also interest students who are taking another subject as their main degree, but who wish to enhance their knowledge of human and environmental past and heritage.

### Level 1 Modules

- Ancient Humans and Landscapes
- Archaeological Excavation
- From Romans to Normans: The Archaeology of Historic Europe
- Environmental Change: Past, Present and Future
- Europe in Prehistory
- Introduction to World Archaeology
- Plus choices from Geography and other disciplines

### Levels 2 and 3

Students explore in detail the themes introduced in Level 1, and Level 2 and 3 modules allow for specialisation and the development of practical skills. Level 2 modules provide skills and concepts necessary for the dissertation that is normally taken at Level 3 by all students, and for future employment in Archaeology and/or Palaeoecology.

### Level 2 Modules

- From St Patrick to the Plantation: The Archaeology of Historic Ireland
- Ireland in Prehistory
- Landscapes and Geographical Information Systems (GIS)
- Palaeoenvironmental Techniques
- Islands in Archaeology
- Thinking Through Things: Theorising Global Archaeology
- Archaeology in Practice
- Plus choices from Geography and other disciplines

### Level 3 Modules

- Early Medieval Europe: Archaeologies of Kingship, Religion and Society
- Monuments and Ritual in European Prehistory
- Palaeolithic Pioneers: Adaption and Colonization in Global Perspective

### BA Single Honours

- Archaeology 3 yrs (V402)
- Archaeology with French 4 yrs (V4R1)
- Archaeology with Portuguese 4 yrs (V4R5)
- Archaeology with Spanish 4 yrs (V4R4)

### BA Joint Honours

- Archaeology and History 3 yrs (VV41)
- Archaeology and Irish 3 yrs (VQ45)

### BSc Single Honours

- Archaeology-Palaeoecology 3 yrs (V400)

### BSc Joint Honours

- Archaeology-Palaeoecology and Geography 3 yrs (VF48)

### MSci Honours

- Archaeology 4 yrs (V403)

## Entrance Requirements

### BA Honours

#### A-level:

ABB including Irish for Joint Honours with Irish. BBB for all other options.

### BSc Honours

#### A-level:

BBB + GCSE Mathematics grade C

### BSc Joint Honours

#### A-level:

BBB normally including A-level Geography + GCSE Mathematics grade C

### MSci Honours

#### A-level:

AAB + GCSE Mathematics grade C

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for entry to the MSci, both at initial offer-making stage and when results are received.

### All applicants:

There are no specific subject requirements to study Archaeology and Palaeoecology, although subjects as diverse as Art, Physics, Biology, Geography, Geology, Classical Civilisation, History, Chemistry, Mathematics or Languages have all been helpful in the past.

**Note:** students intending to study Archaeology with another subject should also refer to the subject requirements for the other course.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

“Studying archaeology as an undergraduate degree at Queen’s was a truly life-changing experience. The course provided me with a skill set essential to the pursuit of a career in archaeology, whether in the commercial or academic sector. The ‘hands on’ approach to learning within the department, combined with the enthusiasm and experience of the academic staff, has allowed me to develop and broaden my interests.”

Conor Mcadams  
BSc Archaeology-Palaeoecology Graduate (2014)  
Currently undertaking PhD research in the University of Wollongong, New South Wales, Australia

**The Archaeology programme at Queen’s is ranked in the top 100 in the world.**

(QS World Rankings by Subject 2017)

- Society, Death and Disease
- The Archaeology of Human Evolution
- Volcanoes: Environmental and Societal Impacts
- Dissertation (double module)
- Plus choices from Geography and other disciplines

In the MSci, Level 4 modules enable students to gain practical experience in digital heritage and field techniques.

### WHY QUEEN’S?

**Facilities:** the School boasts the internationally renowned 14CHRONO Centre for Radiocarbon Dating, the Centre for Archaeological Fieldwork, departmental collections and laboratories for study of artefacts, human, animal and plant remains and other scientific materials and instruments, access to GIS, laser scanning and specialist teaching laboratories.

### CAREERS/FURTHER STUDY

Studying Archaeology and Palaeoecology at Queen’s assists students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Many of our graduates pursue careers in field archaeology and heritage with private, charitable or government agencies and significant numbers develop careers in a wide range of other areas. Major career sectors that have attracted our graduates in recent years are heritage, teaching, management, marketing, the Civil Service, publishing, professional archaeology, surveying (especially civil engineering) and various graduate programmes.

We have links with many employers including the Historic Environment Division (HED) of the Department for Communities, the National Trust, and the Ulster Wildlife Trust, with whom past students have also gained work placements.

We benefit greatly from housing the Centre for Archaeological Fieldwork in the School. This self-funded, commercial unit obtains work from, for example, the HED, landscape partnerships and civil engineering companies, which exposes students to employers and provides the unit with information on what the market requires from Archaeology – information that is fed into our modules, especially those on field techniques.

### Further Study

Further study is also an option – graduates can choose from a range of Master’s programmes as well as a comprehensive list of research topics; see the School website for further information.

**100% of Queen’s Archaeology students are satisfied with their course**

(National Student Survey 2017)



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School Office  
School of Natural and Built Environment

e: [snbe@qub.ac.uk](mailto:snbe@qub.ac.uk)  
t: +44 (0)28 9097 3350 / 3829  
w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)

# ARCHITECTURE

Queen's University, as part of the Russell Group, is one of the best places to study Architecture in the UK. Queen's is ranked 7th in the UK for Architecture (Guardian University Guide 2018).

Our established reputation generated over 50 years means that our graduates are often placed with leading employers around the world. They will be leaders in their fields, creatively rethinking the past, present and particularly the future of the built environment.

Supported by a diverse group of staff and external tutors engaged in international, award-winning research and practice, over 75 per cent of our students regularly graduate with a First Class or 2.1 degree. All students, many of whom come from outside of Northern Ireland, receive a high degree of personal tuition in a strong studio culture in which every student has dedicated personal studio space.

## COURSE CONTENT

'Creativity with Purpose' is the basis of Architecture at Queen's.

Students explore design in a studio environment, contextualised by cultural, technical and professional practice-based modules. The course is modular in structure, allowing students to learn and develop their skills through an extensive range of topics, which grow in complexity throughout Stages 1, 2 and 3 of the degree. Topics include: Architectural Design and Communication; History and Theory of Architecture; and Technology and Environment. Students have four modules they need to pass each year, and the degree result is cumulative, with 10, 30 and 60 per cent for Stages 1–3, respectively.

### Stage 1

Stage 1 focuses on our belief that students benefit from a smooth transition into university, and so we strongly support students in learning to draw architecturally, make models and to begin the process of forming and communicating positions on architecture.

### Stage 2

Stage 2 acts as a laboratory for testing creative and critical ideas and the process of creating. We continue to support students' increasing levels of confidence and independence through

developing more complex architectural skills and understanding of technology.

### Stage 3

Students in this stage are both speculative thinkers and accomplished designers, able to deliver detailed, resolved proposals. They operate independently, drawing on previous learning and personal interests. In this final year, they consider the many possible career paths presented to them over the course of their studies.

## WHY QUEEN'S?

### Accreditation

This degree has had continuous Part I recognition by RIBA and the Architects Registration Board for many decades.

### Study Abroad and Work Experience

The course offers opportunities for working with Master's students via a Live Project with real clients and sites as well as opportunities for international study through the Erasmus programme and study tours.

### Excellent Facilities

Students have access to a well-equipped workshop and dedicated studio space to support their studies. Every student has a permanent desk throughout their undergraduate studies.

## BSc Honours

Architecture 3 yrs (K100)

## Entrance Requirements

### A-level:

AAB + GCSE Mathematics grade C. Applicants with a grade C in GCSE Art or no Art at GCSE/A-level may be invited for a portfolio interview. Neither Technology and Design nor Craft, Design and Technology are considered an alternative to Art.

### All applicants:

A broad spread of scientific, creative and language-based subjects is desirable, since high scores in specific subjects do not necessarily indicate suitability for the wide-ranging demands of the degree. Evidence of broad general intelligence, a hardworking nature and a genuine motivation and interest in architecture is also required. Applicants are encouraged to appreciate the demands of studying architecture and the combined scientific and creative nature of the subject.

The entrance requirements outlined above reflect the demands of the BSc, but acknowledge that the highest A-level performance is not always an indicator of an applicant's suitability for the degree.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 6.0 in Speaking and Listening and 5.5 Reading and Writing, or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

In recent years over 75 per cent of our students have graduated with a First Class or 2.1 degree. This level of attainment translates into a higher percentage of our graduates entering many types of graduate employment.

Compared to national statistics, a greater number of our graduates progress to RIBA Part II and go on to register as architects, reflecting the confidence and focus gained through this degree. It is an education in design, visual appreciation and problem-solving – skills and knowledge which are valuable in many types of careers. Our 'Success Through Architecture' research project, which runs with our BSc Stage 3 and Master's of Architecture students, illustrates the many career routes and types of architect possible through studying architecture, from Part I through to full professional registration. (See [successthrougharchitecture.com](http://successthrougharchitecture.com))

Our graduates undertake one year of development/placement after graduation, which can be carried out within the UK or further afield. Alternatively, some students

go directly into a specialist postgraduate Master's programme (eg our MScs in Building Information Modelling Project Management or Construction and Project Management) before progressing to Part II study – or into a related field of study or career.

For further study options, please see the School website and our Architecture at Queen's digital archive for examples of student work and other information ([architectureatqueens.co.uk](http://architectureatqueens.co.uk)).

"I chose to come to Queen's for Architecture because of the high ranking of the course in national league tables, the friendliness of the studio environment and because all students have desk space throughout their three years of study. I also appreciate that travelling to Belfast is easy."

Gabrielle Wood,  
Loughborough, England  
2nd Year, BSc Architecture

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Gul Kacmaz Erk  
School of Natural and  
Built Environment

e: [g.kacmaz@qub.ac.uk](mailto:g.kacmaz@qub.ac.uk)  
t: +44 (0)28 9097 4006  
w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)

# AUDIO ENGINEERING

The programme is designed for students interested in pursuing a career in engineering within the audio and digital media industries. You will gain technical skills and knowledge relevant to the broader field of electrical and electronic engineering including electronics, embedded systems, computer programming and mathematics. You will also gain practical experience of recording, editing, mixing and mastering music using professional studio facilities and in designing new hardware/software musical instruments and interfaces.

## COURSE CONTENT

Level 1 of the programmes consists of six compulsory modules which introduce students to core technical skills and engineering fundamentals including electronics, embedded systems, computer programming and mathematics. Students also gain thorough grounding in sound recording principles and practical experience of audio mixing.

Level 2 also consists of six compulsory modules. These modules further develop students' understanding of electronics, embedded systems and computer programming with the latter topic focusing more specifically on the development of audio software applications. Audio engineering practice is facilitated through collaborative music recordings with student ensembles and the design of new musical instruments and musical interfaces.

Level 3 introduces students to the principles of auditory perception and the architecture of digital audio effects. Students can also opt to take modules in spatial audio mixing, further sound recording practice, musical interaction design or work placement. The programme concludes with the completion of a double-weighted technical project focusing on the design of new hardware and/or software tools for audio applications.

## WHY QUEEN'S?

### World-Class Facilities

The School is one of the largest and best-equipped institutions in the UK working in the field of music and sound. Students have access to state-of-the-art audio resources including the world's first Sonic Laboratory – a unique performance space capable of three-dimensional sound projection.

### Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and audio production.

### Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for audio post-production are embedded into the curriculum.

### Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include DTS, Pi Communications, RTE, Production House, Start Together Studios, Redbox Recording, Smalltown America Studios, Blast Furnace Studios and Sonic Visuals.

## BSc Honours

Audio Engineering 3 yrs (J930)

See also Music and Audio Production, Music and Sound Design, Broadcast Production, Electrical and Electronic Engineering

## Entrance Requirements

### A-level:

ABB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Technology and Design, Electronics, Further Mathematics or Double Award Applied Science.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit. Distinctions will be required in stipulated relevant units + GCSE Mathematics grade C.

### BTEC Higher National Diploma:

Those with good grades in a relevant Higher National Diploma will be considered on their individual merits for entry to Stage 2 + GCSE Mathematics grade C.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Escola Superior de Música e Artes do Espetáculo do Porto, Instituto Politecnico do Porto National and Kapodistrian University of Athens, Technological Educational Institute of Crete, and University of Groningen.

## CAREERS/FURTHER STUDY

Companies currently employing our graduates include Google, BBC, UTV, Apple, BT, Rapid 7, Sensum, Mogeas Ltd, Storyful, Cased Dimensions, Universitat Pompeu Fabra, Stevens Institute of Technology and Queen's University Belfast.

Further study, including Master's programmes, is also an option; see the School website for further information.

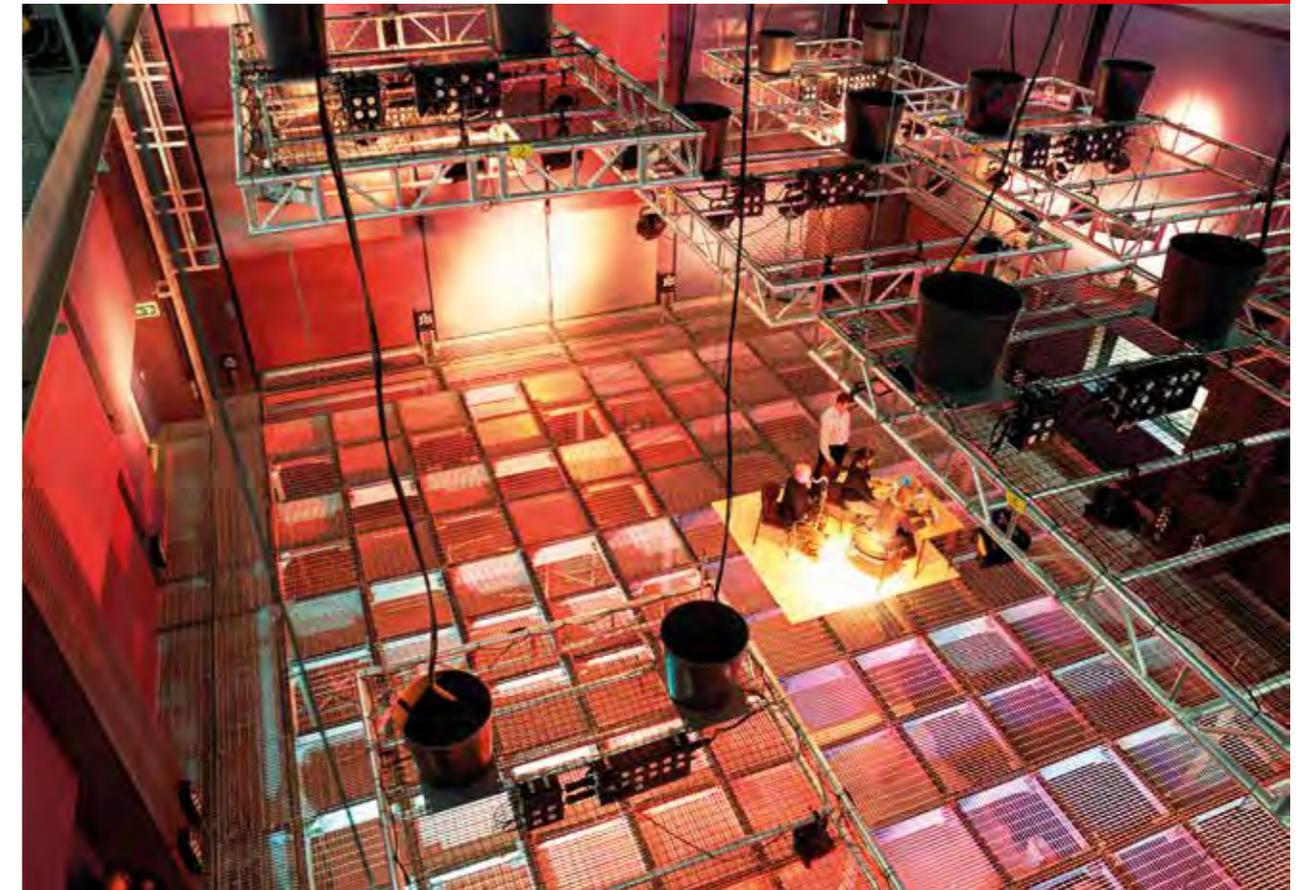
“The course had the right balance between the technical and creative aspects of music technology. During the course of my studies I discovered interests I didn't realise I had in acoustics and computer programming. The staff are clearly passionate about their subject areas, which really motivates and inspires. This also created a friendly environment to study and learn in.”

James Mackenzie, BSc Graduate

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Simon Mawhinney,  
Subject Lead (Music)  
School of Arts, English and  
Languages

e: [s.mawhinney@qub.ac.uk](mailto:s.mawhinney@qub.ac.uk)  
t: +44 (0)28 9097 5324  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)



# BIOCHEMISTRY

Biochemistry is the molecular basis of life. It applies chemical principles to some of the most exciting problems in the life sciences industry, explains how drugs work, helps us understand what goes wrong in diseases, and enables 'genetic engineering'. Consequently, the subject is essential to drug discovery, biotechnology and biomedical research.

## COURSE CONTENT

The Biochemistry degree at Queen's University Belfast investigates the structures, functions and biological roles of molecules involved in metabolism, cell signalling and the transmission of genetic information. Research-led teaching and the opportunity to complete an integrated Master's programme help prepare our students for a career in biochemical research.

The modules are:

### Stage 1

- Fundamentals of Chemistry
- Structure, Reactivity and Mechanism in Organic and Bioorganic Chemistry
- The Molecular Basis of Life
- The World of Microorganisms

### Stage 2

- Experimental Biochemistry
- Microorganisms in Action
- Molecular Genetics and Bioinformatics
- Cell Biology 2

\*Throughout stages 1 and 2 practical classes in Biochemistry reinforce and compliment the theory, providing students with a solid foundation on which to build upon for stage 3.

### Work Placement

- Biochemistry students can complete an optional 16-week degree-related work placement
- Biochemistry with Professional Studies students will complete a one-year, degree-related work placement

### Stage 3

- Industrial Microbiology
- Immunology and Pathogenesis of Infectious Diseases
- Bacterial Genetics and Genetic Manipulation

- Biomolecules in Health and Disease
- Research Project (BSc students only)
- \*MSci Students take the four modules above and research skills, plus one optional module.

### Stage 4 (MSci students only)

- Research Project

\*Students carry out a full-time research project under the supervision of academic staff based in one of the School's biochemistry research laboratories. There are no taught modules or examinations in this year, thereby allowing students to concentrate fully on their research projects.

## WHY QUEEN'S?

### Degree Recognition

The Biochemistry degrees at Queen's conform to the Biochemical Society's core curriculum in biochemistry.

### Work Placement

Optional work placements on these programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment. Past students have gained work placement within organisations such as Almac, Warner Chilcott, Randox, Norbrook Laboratories, Altnagelvin Hospital and Belfast City Hospital.

### Research Experience

Final year research projects allow students to gain considerable research experience in one of the research laboratories at Queen's University Belfast. Working alongside world-leading researchers enriches the students' experience and assists them in pursuing a career in biochemical research.

## BSc Honours

Biochemistry 3 yrs (C700)

Biochemistry with Professional Studies 4-yr SW (C704)

## MSci Honours

Biochemistry 4 yrs (C702)

Biochemistry with Professional Studies 5-yr SW (C705)

## Entrance Requirements

### BSc

A-level:

BBB including Chemistry and Biology + GCSE Mathematics grade C

OR

ABB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### MSci

A-level:

AAB including Chemistry and Biology + GCSE Mathematics grade C

OR

AAA including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for entry to the MSci, both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BSc and MSci may be possible at the end of Stage 2.

**All applicants:** where A-level Biology, Mathematics or Physics are not offered, A-levels in three other subjects including Chemistry and AS-level Biology would be considered.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

Studying Biochemistry at Queen's develops the core skills and employment-related experiences that are valued by employers in the industry.

Biochemists can gain employment in growth areas such as the biotechnology, food and pharmaceutical industries, biomedical research, the NHS and research and development in academia and industry.

Although the majority of our graduates pursue careers in the molecular life sciences, significant numbers develop careers in a wide range of other sectors such as science communication, education, legal services, journalism, finance and management. The subject is also widely accepted for graduate entry to medical, dental, veterinary and pharmacy schools – an increasingly common route into these professions, with many universities in the UK and Ireland offering four-year graduate programmes.

### Further Study

Those wanting a career in biochemistry research will normally obtain a PhD, and we anticipate that the majority of MSci graduates will either progress directly to research roles in biochemistry laboratories or to PhD programmes. Both BSc and MSci Biochemistry graduates are well-placed to obtain places on PhD programmes in biomedical research,

biotechnology, drug discovery and agri-food research as well as in 'pure' biochemistry.

Master's programmes offer the opportunity to train in specialist areas (eg forensics, nutrition, biotechnology) in order to enter professions in those fields or to further enhance academic and research skills before embarking on a PhD; see the University website for further study information.

Biochemistry graduates are eligible to study for a PGCE (a qualification enabling graduates to teach in schools) in either Biology or Chemistry – subjects in demand in schools across the UK.

**Studying for a Biochemistry degree at Queen's allows students to study some of the most exciting problems in the life sciences industry, including drug discovery, biotechnology and biomedical research. Students can complete an optional work placement, to develop core skills and employment-related experiences, valued in industry.**

"I would highly recommend the Biochemistry course. It provides plenty of hands-on learning, which is vital in the workplace. Personally I think the Professional Studies module is an excellent way to get a better chance at securing a graduate job. The course provides great knowledge for working in research or laboratory roles."

Ryan Steele, BSc Biochemistry with Professional Studies, 2017

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Chris Law  
Programme Co-ordinator  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# BIOLOGICAL SCIENCES

Biological Sciences encompasses many aspects of the biosciences, from molecules to ecosystems and includes exploration of:

- Biological diversity, systematics and conservation
- Cell and tissue structure, function and physiology
- Ecology and behaviour
- Form and function of microorganisms, protists, fungi, plants and animals
- Genetics and mechanisms and pathways of evolution

## COURSE CONTENT

Biological Sciences graduates tackle worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues. Students on this programme can choose to complete an optional work placement to develop the core skills and employment-related experiences valued by employers.

The modules are:

### Stage 1

- The World of Microorganisms
- Molecular Basis of Life
- Biodiversity

### Stage 2

#### Core Modules

- Cell Biology 2
- Plant Biology and Rhizosphere Interactions
- Invertebrate Biology

#### Optional Modules

- Applied Genetics
- Molecular Genetics and Bioinformatics
- Coastal and Oceanic Biology
- Experimental Biochemistry
- Applied Ecology
- Animal Biology and Physiology
- Microorganisms in Action
- Work Placement

\*Throughout stages 1 and 2 practical classes in Biological Sciences reinforce and complement the theory, providing students with a solid foundation on which to build upon for stage 3.

## Work Placement

- Biological Sciences students can complete a 16-week, degree-related work placement
- Biological Sciences with Professional Studies students will complete a one year, degree-related work placement

### Stage 3

#### Core Modules

- Research Project

#### Optional Modules

- Industrial Microbiology
- Immunology and Pathogenesis of Infectious Diseases
- Zoonoses
- Animal Behaviour
- Global Change Biology
- Parasitology
- Conservation Biology

\*During stage 3, students in Biological Sciences take a two-module research project under the supervision of a member of the academic staff. The research project generally involves practical work carried out in the field and/or laboratory.

### Stage 4 (MSci students only)

- Research Project

\*Students carry out a full-time research project under the supervision of academic staff based in the School. There are no taught modules or examinations in this year, thereby allowing students to concentrate fully on their research projects.

## BSc Honours

Biological Sciences 3 yrs (C100)

Biological Sciences with Professional Studies 4-yr SW (C104)

## MSci Honours

Biological Sciences 4 yrs (C102)

Biological Sciences with Professional Studies 5-yr SW (C105)

See also Biochemistry, Marine Biology, Microbiology and Zoology

## Entrance Requirements

### BSc

#### A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

ABB including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### MSci

#### A-level:

AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** it would be an advantage to have studied Chemistry beyond GCSE level.

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for entry to the MSci, both at initial offer-making stage and when results are received.

**Option to Transfer:** Transfers between BSc and MSci may be possible at the end of Stage 2.

## For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

“Studying Biological Sciences (with Professional Studies) at Queen’s allowed me to experience several different aspects of Biology and gave me the flexibility to decide which pathway interested me the most, as well as allowing me to gain many different skills in the process. My favourite part of the degree was the final year Honours project: being able to carry out my own unique research project was highly enjoyable, and well worth all the work involved! Studying Biological Sciences inspired me to pursue a career in research and gave me the confidence to begin a PhD project at Queen’s.”

Fiona McKay, BSc Biological Sciences

## WHY QUEEN’S?

### Degree Recognition

The Society for Biology provides career advice and support for undergraduate Biological Sciences students, and professional recognition for graduate biologists through externally recognised awards commissioned by the Science Council.

### Work Placement

Embedded work placements on these degree programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

In previous years, students have gained placements with organisations such as Almac Pharma Services, Norbrook Laboratories, Warner Chilcott, Northern Ireland Environment Agency, Belfast Zoo, the National Trust, Atlantic Whale Foundation, and the RSPB. In addition, students can avail of opportunities to undertake short summer placements abroad through programmes such as IAESTE, Operation Wallacea, and Frontier.

### Research Experience

Final year research projects allow students to gain considerable research experience in one of the research laboratories at Queen’s University Belfast. Working alongside world-leading researchers enriches the students experience and assists them in pursuing a career in academia or in research.

## CAREERS/FURTHER STUDY

A degree in biosciences opens the door to a wide range of careers. Our graduates are employed in organisations working within environmental monitoring and management, water quality management, animal welfare, academic research, the agri-food industries, biotechnology and pharmaceutical industries, teaching and education, and science communication.

These employment areas have always been important, but have now become increasingly so due to worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues.



## Further Study

Master’s programmes offer the opportunity to train in specialist areas (eg parasitology, animal behaviour and welfare, food security and more) in order to enter professions in those fields or to further enhance academic and research skills before embarking on a PhD; see the University website for further study information.

Those wanting a career in research will normally obtain a PhD, and both BSc and MSci Biological Sciences graduates are well-placed to obtain places on PhD programmes.

Alternatively, the transferable skills you will obtain during completion of a biosciences degree will place you in excellent standing for specific graduate programmes to enter professions such as accountancy, management or journalism. Many of our graduates undertake the postgraduate teacher training programme (PGCE) for entry into the teaching profession.

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Angela Mousley  
Programme Co-ordinator  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# BIOLOGICAL SCIENCES (FD)

This programme aims to provide students with knowledge and understanding of scientific methods of inquiry and theoretical principles of biological sciences, including, where appropriate, the application of those principles in an employment context.

Students studying the FdSc in Biological Sciences will develop understanding of:

1. The relevance of biological sciences in the current economic environment
2. The hierarchical nature of biological sciences ranging from molecular level to whole organism and species interactions
3. The need for competence and dexterity in contemporary biological practical techniques and cognate disciplines
4. A professional approach to work, study and lifelong learning.

## COURSE CONTENT

Biological Sciences graduates tackle worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues. Students on this programme complete a degree-related work placement, to develop the core skills and employment-related experiences valued by employers.

The modules are:

### Stage 1

- Fundamentals of Science
- Mathematical and Study Skills in Science
- General Chemistry
- Biochemistry
- Biology

### Work Placement

- Between Year 1 and Year 2 there is a compulsory work-based placement for a duration of ten weeks. This will provide students with opportunities to apply the knowledge and skills acquired from Year 1 content; to develop important employability skills required for the employment market; and to benefit from being exposed to biological science practices.

### Stage 2

- Biological Diversity and Evolution
- Bioscience Practical and Analytical Skills
- Food Biochemistry
- Ecology and Environmental Biology

- Molecular Biology and Genetics
- Microbiology

\*In addition to subject knowledge, modules aim to develop skills in critical, independent thought and management and decision-making. Year 2 modules include applied topics which will allow students the opportunity to consider progression into a range of Honours degree courses.

The modules introduce a wide range of up-to-date biological techniques including genetic manipulation, electron microscopy, physiological studies of living organisms and modern approaches to ecology and evolution.

## WHY QUEEN'S?

### Professional Accreditation

Graduates of the FdSc are eligible for Registered Science Technician (RSciTech) status, conferred by the Science Council and with appropriate CPD would be eligible for Registered Scientist status (RSci). The Society of Biology also confers varying levels of membership depending on qualifications and experience.

### Progression

Students who successfully complete the Foundation Degree with an overall weighted mark of 55 per cent and, in addition, at least 55 per cent in each module assessed in final year will be eligible to progress to degree programmes in the School of Biological Sciences at Queen's.

## FdSc (Foundation Degree)

Biological Sciences 2 yrs (C101)

Based at Belfast Metropolitan College

## Entrance Requirements

### A-level:

CC including Biology or Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** it would be an advantage to have studied Chemistry beyond GCSE level.

### BTEC Level 3 Extended Diploma:

BTEC Level 3 Extended Diploma in a relevant science subject with 9 Merits and 9 Passes. A minimum grade may be stipulated in relevant units. In addition, applicants must have GCSE passes at grade C or better in English Language, Mathematics, Biology and Chemistry. GCSE Double Award Science grades CC would be acceptable in lieu of GCSE Biology and Chemistry.

### Access Course:

Access Course containing significant Biology content with an overall average of 65%. A minimum grade may be stipulated in the Biology modules. Students should have GCSE Mathematics and Chemistry at grade C or equivalent in the Access Course. GCSE Double Award Science grades CC would be acceptable in lieu of GCSE Chemistry.

### Other Qualifications:

Students offering other qualifications will be considered on an individual basis by the Admissions and Access Service in consultation with the Selector for the Foundation Degree.

### RPL:

Applicants must provide evidence of their ability in appropriate skills and knowledge to undertake the programme. Guidance is available for such candidates from the College and any evidence submitted will be assessed by subject specialists who will determine the applicant's suitability for the course. Applicants may be required to attend for interview.

**Note:** CCEA Level 2 Essential Skills in Communication is acceptable in lieu of a grade C in GCSE English language

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Biological Scientists tackle worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues. Students who successfully complete the Foundation Degree will be eligible to progress to degree programmes in the School of Biological Sciences at Queen's.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Dawn Corbett / Dr Paul Mensink,  
Course Co-ordinators  
Belfast Metropolitan College /  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

## Work Placement

Embedded work placements on this degree programme provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

## CAREERS/FURTHER STUDY

The FdSc is a new programme with the first graduates expected in July 2018. Our graduates in similar programmes are employed in organisations working within environmental monitoring and management, water quality management, animal welfare, academic research, the agri-food industries, biotechnology and pharmaceutical industries, teaching and education, and science communication.

These employment areas have always been important, but have now become increasingly so due to worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues.

## Further Study

Successful students will be eligible to apply for Year 2 (Stage 2) of the BSc (Hons) in Biological Sciences provided they meet certain academic criteria. Students who have successfully completed the Foundation Degree may also have the opportunity to study different (full) degrees.



# BIOMEDICAL SCIENCE

Our Biomedical Science degree enables you to explore the sciences related to medicine and in particular, the specialist disciplines of diagnostic Biomedical Science as practised in Health Service Laboratories. Our degree is accredited by the Institute of Biomedical Science and is aimed at students wishing to pursue a career in diagnostic laboratory science as biomedical scientists within the NHS, research or management careers in the pharmaceutical industries or academic research.

## COURSE CONTENT

Biomedical Science comprises the sciences related to medicine and in particular these specialist disciplines of diagnostic Biomedical Science as practised in Health Service Laboratories:

- Clinical Bacteriology and Immunology
- Clinical Biochemistry
- Haematology and Transfusion Science
- Histopathology and Cytology

Further modules provide a sound background to other fundamental areas of Biomedical Sciences (including Anatomy and Physiology) along with cutting-edge subject areas of relevance to Life Science careers.

The modules are:

### Stage 1

- Molecular Basis of Life
- The World of Microorganisms
- Human Structure and Function

### Stage 2

- The Sciences of Disease
- Cell Biology and Clinical Genetics
- Professional Practice in Biomedical Science

### Stage 3

- Research Project
- Molecular Markers of Disease
- Advanced Infections and Clinical Biochemistry

## WHY QUEEN'S?

### Global Opportunities

The School has established links with two universities in the USA – the University of Nevada in Reno and the University of Vermont, where several students are given the opportunity to work in their research laboratories for a year between second and final year.

### Professional Accreditation

This degree, which is accredited by the Institute of Biomedical Science, is aimed at students wishing to pursue a career in diagnostic laboratory science as biomedical scientists within the NHS, research and development or management careers in the pharmaceutical industries and/or academic research.

### World-Class Facilities

The School has excellent research facilities as well as strong links with clinical departments.

### Internationally Renowned Experts

Our teaching staff comprises enthusiastic teachers with world-class research in the biomedical sciences. Professional biomedical scientists from NHS laboratories also make a major contribution to the degree.

## BSc Honours

Biomedical Science 3 yrs (B940)

See also Human Biology

## Entrance Requirements

### A-level:

AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C

OR

A (Biology/Human Biology or Chemistry) AB including a second science subject + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

The BSc in Biomedical Science at Queen's is aimed at students wishing to pursue a career in:

- Diagnostic laboratory science as Biomedical Scientists within the National Health Service
- Clinical trials relating to drug registration and patents
- Government or Charity-funded research laboratories
- Management careers in the Pharmaceutical or Biotechnology Industries
- Academic Research and Development
- Postgraduate entry to Medicine, Dentistry and allied health professions after gaining a strong scientific training at undergraduate level

In addition to graduates in Biomedical Science being interested in pursuing a career in the field, the degree also affords opportunities for careers in the broad field of medicine and medically-related subjects such as medical sales and science writing. In addition, the degree provides access to graduate jobs in other disciplines.

### Further Study

Many students go into further study, completing Master's and PhDs and a significant proportion of graduates gain entry to Medical or Dental degrees both at Queen's University Belfast and abroad.

“The knowledge and practical lab skills that I have developed over the past three years have allowed me to start my career as a biomedical scientist in a NHS haematology laboratory. This would not have happened without the high standard of teaching from leading researchers in a variety of different fields and the continued support from Queen's.”

Ceara Burke, BSc (Hons) Biomedical Science Graduate, 2016



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Stephen McCullough  
Programme Director  
School of Medicine, Dentistry and  
Biomedical Sciences

e: [biomedsci@qub.ac.uk](mailto:biomedsci@qub.ac.uk)  
t: +44 (0)28 9097 2677  
w: [qub.ac.uk/mdbs](http://qub.ac.uk/mdbs)

# BROADCAST PRODUCTION

Broadcast Production is an intensely practical, industry aware degree, designed in collaboration with BBC Northern Ireland and other local broadcasters. This pathway is for those interested in careers in programme making for television, radio, journalism, and other new and emerging digital media platforms. This degree aims to introduce you to the widest possible experience of modern broadcasting combined with critical thinking and excellent online skills. Whether it is for online or live, in front or behind the camera or microphone, you will gain substantial practical skills supported by the kind of theoretical and critical skills employers tell us they want in new entrants to the creative industries.

## COURSE CONTENT

### Year 1

#### Six core modules:

- Broadcast analysis I\*
- Broadcast production skills I\*
- Sound recording principles\*
- Broadcast analysis II\*
- Broadcast production skills II\*
- Editing for Film and TV\*

### Year 2

#### Three optional modules from:

- Broadcast Journalism
- The Radio Programme\*
- Sound design for Screen
- Interactive and Immersive Media\*
- Broadcast Popular Genres
- The Television Programme\*
- Screen Industries in Europe
- Creative Writing for Radio

#### Compulsory modules:

- Broadcast Media Project I (Practical)

#### Optional modules:

- Work Placement
- Professional practice (Practical)
- Gender and broadcasting
- Language in the media
- Broadcasting in post-conflict society
- Dissertation (theory)
- Broadcasting and Identity

\* Indicates compulsory modules

## WHY QUEEN'S?

### Industry Links

It is an exciting time to get involved in broadcasting. Northern Ireland now has one of the fastest growing creative sectors in the UK economy. Broadcast programme making for entertainment, news, documentary, current affairs and online is a huge part of the industry here. Work placement therefore will be a significant aspect of the course, connecting to many of the local production companies. An industry advisory panel has been set up to offer advice on developments in the industry, keeping content and teaching practice relevant to the needs of employers in this area.

Queen's has recently signed a collaborative agreement with BBC Northern Ireland, to promote opportunities for placements for our students and research/training between both organisations.

An internationally known visiting Broadcast Industry Fellow will be resident twice each academic year to deliver a series of workshops and masterclasses to students on this pathway.

### World-Class Facilities

Access to a television studio with broadcast-quality LED lighting and green screen facilities; off-line and on-line editing suites, utilising industry software such as Avid Media Composer, DaVinci Resolve and Avid Pro Tools; access to the Sonic Arts Research Centre for audio training and industry standard audio recording and post production equipment; full high-definition cameras are available as are substantial lighting and sound kits for location work.

## BA Honours

Broadcast Production 3 yrs (P310)

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Broadcast Production.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Student Experience

We are an Avid Authorised Learning Partner for Pro Tools and Media Composer, offering certified industry-approved training integrated into the degree – a highly sought-after qualification internationally. Broadcast Production benefits from close relationships with the BBC NI, UTV, Northern Ireland Screen and the Belfast Media Festival with industry professionals connecting to teaching right across the programme from many of the production companies across Northern Ireland.

## CAREERS/FURTHER STUDY

A degree in Broadcast Production will give students a distinct advantage as they enter the workplace. This highly practical course will allow you to build up a portfolio of outputs for you to share with potential employers. An online channel will be created to showcase the best work from the department also. The new skillsets developed such as building digital content for online distribution and social media are highly sought after by employers and provide an excellent background for work in the creative industries and broadcasting.

Further Study at Master's level is also an option after your degree. See the School website for further information on the MA in Media and Broadcast Production and on PhD study in this area.

**Broadcast Production is one of the most practical and vocationally biased television and radio content creation degrees offered at any Russell Group University in the UK.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

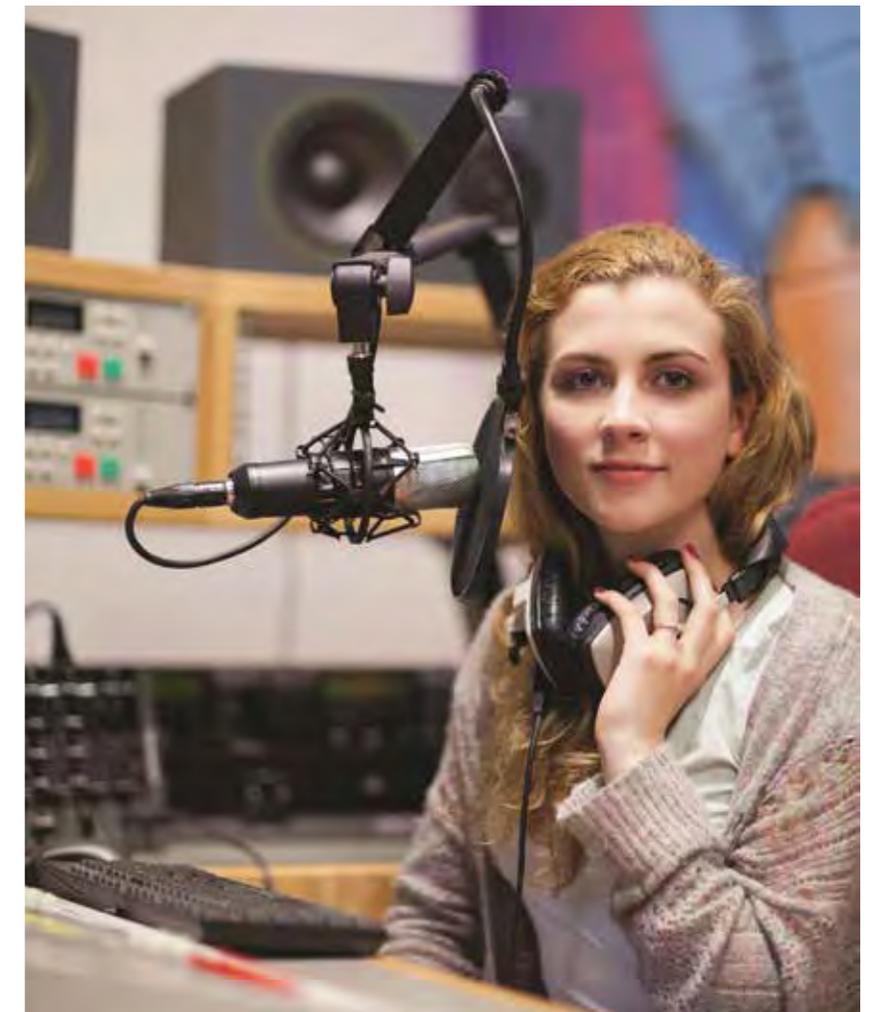
### Course information

Dr Declan Keeney  
School of Arts, English and Languages

e: [d.keeney@qub.ac.uk](mailto:d.keeney@qub.ac.uk)  
t: +44 (0)28 9097 5463  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

“A graduate from this course will have a number of significant skills such as being able to research topics, to understand the broadcasting industry both critically and academically. They will be able to lift cameras, edit still and moving images, record sound, present and write story and programme ideas. Then get these stories published online utilising new and emerging digital platforms. Broadcasting students will have a profound understanding of how to create content for online distribution and develop important new digital literacy skills that employers are telling us are much needed by broadcasters, both now and in the future.”

Dr Declan Keeney,  
BMus MA PGCHET FHEA PhD  
Head of Broadcast Production



# BUSINESS ECONOMICS

The BSc Business Economics degree blends elements from both the Economics and Business Management degrees. Students in Business Economics should have an interest in using economic theory and thinking in applied business settings. This degree has less of an emphasis on using mathematics compared to a traditional economics degree and the programme fosters numerical skills through the use of up-to-date business applications.

## COURSE CONTENT

The emphasis of this degree is on those aspects of economics that are of most importance in a business setting. Students study both Introduction to Business Economics and Applied Economics in the first year, along with Accounting, Finance and Business Management modules. This is followed in Years 2 and 3 by modules in economics and modules related to business economics. With the flexibility in this degree, students should not only develop good numeracy skills, but also specialisation in qualitative aspects of the subject.

Students will cover a range of topics and modules including:

### Year 1

- Introduction to Business Economics
- Applied Economics
- Quantitative Methods
- Accounting
- Organisational Behaviour

Students will be able to choose an additional module from one of the following two options:

- Financial Institutions and Markets
- Marketing

### Year 2

- Macroeconomic Policy and Performance
- Managerial Economics
- Data Analysis and Optimisation

Students will be able to choose three additional modules from a range which may include:

- Financial Decision Making
- Financial Market Theory
- Human Resource Management
- International Business
- Operations Management
- The Digital Business

### Year 3

Students should take at least three electives from:

Economics modules:

- Labour Economics
- Economic History
- Economics of Corporate Strategy
- Public Economics
- International Trade

And up to three electives from Management modules:

- Business Start-Up
- Business Ethics
- Supply Chain Management
- Public Sector Management
- Innovation Management

## WHY QUEEN'S?

### Student Satisfaction

Economics student satisfaction is 84 per cent, ranked joint 15th in the UK (National Student Survey 2017).

### Placements

Business Economics students may take an optional placement year after their second year. Recent placements from students studying economics and business economics include PwC, KPMG, Citi, Oxford Economics, Belfast City Council, First Derivatives, and Tayto Group Ltd.

### Student Experience

Students can join the Economics Society, a student-run organisation which aims to educate its members on the use of economics in practice through guest speakers, field trips abroad and educational seminars.

## BSc Honours

Business Economics 3 yrs (L110)

See also Economics and Business Management

## Entrance Requirements

### A-level:

ABB + GCSE Mathematics grade B

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

Students will also have access to specialist mathematical and statistical software, giving them the skills, experience and knowledge necessary to prepare them for careers in economics and business analytics.

## Prizes and Awards

- Shaw Memorial Prize for best-performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics

## CAREERS/FURTHER STUDY

This degree prepares students for a variety of careers in the public and private sectors. Graduates have been employed as professional economists or as managers or administrators. Depending on the choice of modules, this degree also prepares students for postgraduate studies in Economics and related disciplines.

Those pursuing a career in Business Economics should be effective communicators and work well with people, as they will have to analyse and interpret a range of information to meet the needs of different users, including managers and investors. Business Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

“Business Economics allows you to gather a vast array of skills through the various different methods of assessments offered – assignments, group projects, presentations and research projects. As the course allows you to choose three out of six modules in second year, you are able to focus more on the topics you’re interested in and tailor the degree to suit your preference. During the first semester of my second year, I was able to secure a placement with the successful drinks company Diageo.”

Rhianna Donaldson,  
BSc Business Economics

Many of the skills that students will acquire during their studies at Queen’s will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret economic, financial and business-specific information and work productively as part of a team.

Students graduating with a degree in Business Economics from Queen’s are well placed to secure a range of employment opportunities in economics and management in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, careers in banking, as well as more generalist positions in business and management.

Typical career destinations of graduates include:

- Management Consulting
- Accountancy
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments



## Employment Links

Graduate employers include PwC, EY, KPMG, Deloitte, BDO, Ulster Bank, Bank of Ireland, First Trust, Northern Ireland Civil Service, Northern Ireland Statistics & Research Agency, JP Morgan, Morgan Stanley, BBC, National Trust.

## Further Study

Further study is also an option open to BSc Business Economics graduates. Students can choose from a wide range of Master’s programmes as well as a comprehensive list of research topics, as shown on the Queen’s Management School website.

Queen’s Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

**84% of Queen’s Economics students are satisfied with their course, ranking us 15th in the UK.**

(National Student Survey 2017)

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

Dr Chris Colvin,  
Programme Director, BSc Economics  
Queen’s Management School

e: [chris.colvin@qub.ac.uk](mailto:chris.colvin@qub.ac.uk)  
t: +44 (0)28 9097 4735  
w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# BUSINESS INFORMATION TECHNOLOGY

Much of today's business now operates in a dynamic, fast-paced and technologically advanced environment. It is hard to imagine a world where business processes and financial transactions are not managed by technology. Companies require individuals who can bridge the gap between business management and technology.

This degree aims to give students a sound knowledge of information technology fundamentals, and their application in business, and a firm foundation in management to address a growing need for globally ready leaders in business technology.

The School has links with over 500 IT companies both here and abroad. We benefit from the fact that there are more software companies located in Northern Ireland than in any other part of the UK, outside of London. This benefits our students on many levels – from industrial input to the content of our degree, through to year-long and summer placements, as well as activities such as competitions organised by the companies.

## COURSE CONTENT

A key feature of this degree is the emphasis on the application of advanced information technology in a business environment, and students study both the enabling technology for e-commerce and how that technology may be exploited for business advantage. A further key feature is the active development of students' innovation and entrepreneurial skills.

The degree is organised around the following themes:

- Business Practice, Software Development
- Computer Architecture (including computer networks)
- Entrepreneurship within an IT Environment
- Management IT (including e-commerce)
- Management Principles and Information Technology (including multimedia)

## Professional Experience

A range of modules builds progressively on each of these themes throughout the first two years. Students then undertake a full year's paid placement, which is an opportunity both to put into practice the

principles learned to date and to gain practical experience of the business world.

Students then take their final year modules, including a major individual innovation and entrepreneurship project, which pulls together many of the separate themes of the degree.

This four-year degree (three years plus a placement year) will involve development of the technical skills necessary to design and construct advanced IT systems for business applications. It is expected that graduates will be able to:

- Manage in a contemporary, technology-driven business environment
- Exploit advanced IT to build and develop globally competitive businesses
- Develop and implement IT-enabled business systems for effective business operation
- Manage the introduction and use of IT in business, including taking into account human factors
- Keep abreast of emerging technologies and their potential for business innovation
- Redesign existing business processes and implement new business initiatives

## BSc Honours

Business Information Technology with a Year in Industry 4-yr SW (GN51)

## Entrance Requirements

### A-level:

ABB + GCSE Mathematics grade C

### BTEC Extended Diploma:

Any BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit + GCSE Mathematics grade C

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

**Facilities:** students have access to a wide range of computers (laboratories are equipped with several hundred PCs) and specialised software packages.

**Placement:** all students undertake a paid placement year in industry. The School has links with over 500 local, national and international organisations, and examples of companies where our students have spent their placements include Microsoft, Fujitsu, Bank of Ireland, Bank of Scotland, PricewaterhouseCoopers, PA Consulting Group and Belfast City Council.

## CAREERS/FURTHER STUDY

More than ever, there is a real need for skilled managers in the contemporary, technology-driven environment. They are required to have an understanding of the fundamental principles of computer science, information technology and management with an emphasis on application of advanced information technology in a business environment.

Employers, from large multinational firms to small local organisations actively target our students, recognising that our graduates are equipped with the skills they need. Current industry analysis indicates that there is a shortage of IT graduates and this trend is forecast to continue.

On graduating with this Honours degree with a year's experience, graduates can choose from a host of rewarding and challenging careers in industry, commerce, education and research. Many take up posts associated with management and finance, while others enter development roles.

## Further Study

Further study is also an option – graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

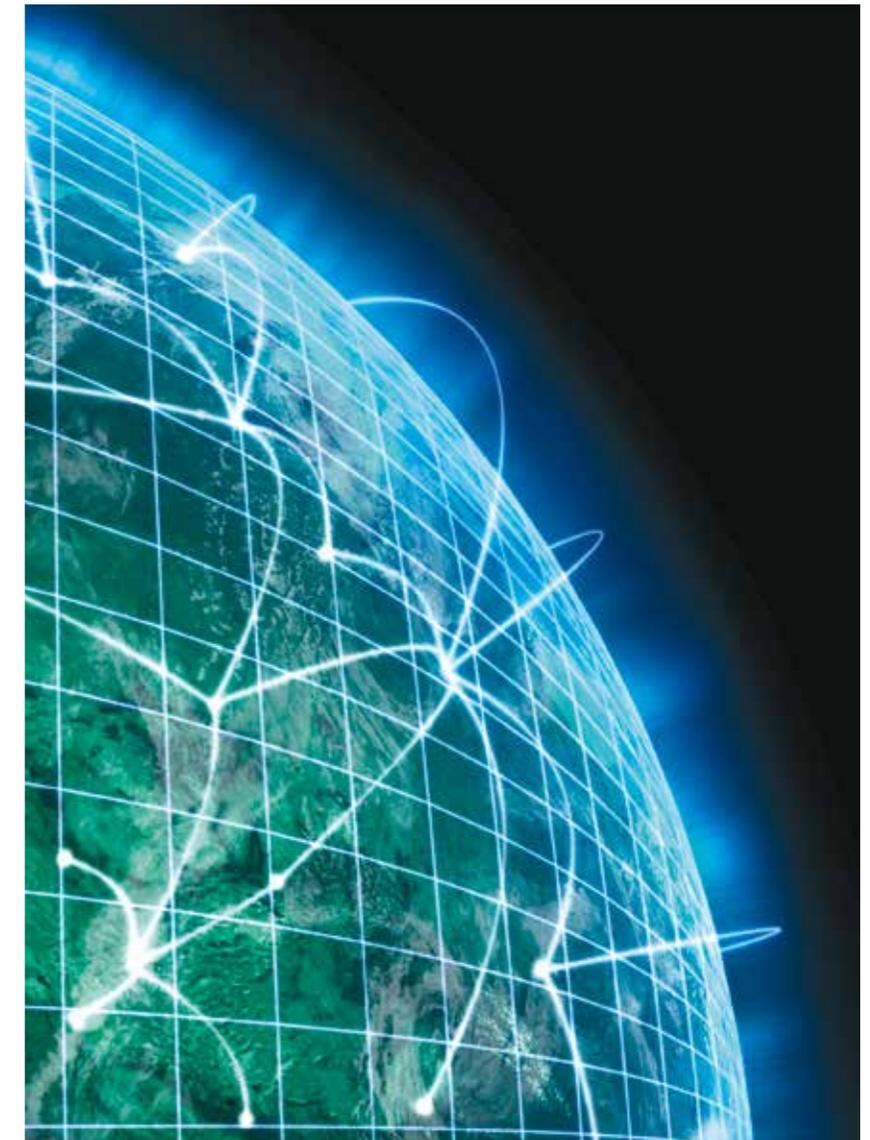
## Course information

School of Electronics, Electrical Engineering and Computer Science

e: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
t: +44 (0)28 9097 1194  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)

“This degree covers a broad spectrum of topics in the areas of Business and IT. My choice for BIT came about as I was interested in both subjects and in doing this degree I could find a middle ground. There was also the added benefit of having a placement year, which a future employer will look well upon, and the fact that you are slowly introduced to the fundamentals of programming at the beginning of the course means you are not under pressure.”

Emma Bleakley, Northern Ireland  
Final Year, BSc Business Information Technology



# BUSINESS MANAGEMENT

Upon successful completion of this degree, students should have acquired and enhanced their knowledge and understanding of a wide range of management issues, including harnessing technology effectively, leading and managing people, leading change, managing creativity and innovation, markets and resources, managing in the global business environment, strategic management, and working in teams.

## COURSE CONTENT

### Stage 1

Students take six compulsory introductory modules, which set the context and foundation for the remainder of the degree. The focus will be on organisations, their structures, behaviours and the changing external environment within which they operate.

Modules will cover accounting, economics, the history and philosophy of management, marketing principles, organisational behaviour and how business, government and society interact.

### Stage 2

Students take six compulsory modules covering issues such as, leadership, decision-making through effective data analysis and interpretation, internationalisation, the digital business, statistics, managing human resources, and operations management.

### Stage 3

The final year of the programme will see students taking modules that cover business ethics and strategic management. Students will also be afforded a choice of modules where they can focus on innovation management, consumer behaviour, supply chain management or public sector management. Students will also be afforded the opportunity to conduct a consultancy or business start-up project.

## WHY QUEEN'S?

### Placement

The School is an active participant in international exchange programmes and has excellent relationships with local, national and international organisations. The four-year degree includes a compulsory placement year between Stages 2 and 3.

### Industry Links

The Management School invites guest speakers from industry to talk to students about latest trends and to apply theory to practice. Students also get the opportunity to work on consulting type projects preparing them for employment.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research.

### Student Experience

Students can join the Trading and Investment Club, a student-run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

### Study Abroad

The Study USA programme provides students with the funded opportunity to study for a year in a US university.

### Prizes and Awards

A number of prizes and awards are made on an annual basis from local employers including CIMA Ireland, PwC, Bombardier Aerospace, and Allen & Overy, plus the Sir William Crawford Prize. Foundation Scholarships are also available.

## BSc Honours

Business Management 3 yrs (N201)

Business Management with Placement 4-yr SW

See also International Business with a Language

## Entrance Requirements

### A-level:

ABB + GCSE Mathematics B

**Note:** there are no specific subjects required and it is not necessary to have previously studied Business Studies or Management.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

This degree provides graduates with the knowledge and skills to secure employment in a wide range of occupations in the public, private and voluntary sectors. Those pursuing a career in business management should enjoy working with people and should be effective communicators, able to engage with a range of stakeholders including senior management, consumers and consumer groups, government representatives and policy makers.

Career options are extremely varied and the employment opportunities for our graduates remain strong. In recent years, they have secured positions in local, national and multinational organisations in the public, private and voluntary sectors in management areas such as business development, marketing, market research, human resources, operations, supply chain, training and development, analysts, accounting, finance, inward investment, and consultancy.

Typical career destinations of graduates include:

- Consultancy
- New venture creation
- Operations
- Supply chain and quality
- Advertising, business development, marketing, market research, export marketing

- Human resources, recruitment, training and development
- New product development, accounting, finance
- Inward investment, exporting

### Employment Links

Graduate employers include PwC, Randox, Deloitte, BDO, Bombardier, Google, Microsoft, Unilever, Mercer, Accenture, KPMG, Diageo, M&S, Tesco, Local Government including Councils, Health Trusts, College and Universities, Invest Northern Ireland, Bank of Ireland.

### Further Study

Students are also well equipped to undertake further study in management or other related disciplines, and can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

“Within the first semester of my final year I was able to secure a marketing graduate job with Diageo in Dublin. I strongly believe that the range of modules and skills the Business Management course had to offer enhanced my CV and experiences that helped secure the job. The course uses a range of different assessments between assignments, presentations, group work and research projects which allow students to develop a range of experiences and challenges that are great to apply in interviews.”

Hannah Todd  
BSc Business Management (2014)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Stephanie Graham  
Programme Director  
Queen's Management School

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w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# CHEMICAL ENGINEERING

Chemical Engineering uses chemistry, mathematics, biology and physics to provide an integrated approach to understanding the changes which take place in processes, from molecular to global scale, and to create methods which can change chemical or physical composition, energy content, structure, or physical state, ie mathematics and science in action.

The subject also involves the application of knowledge to the design, development and operation of plants that process chemical and related products. It borders and overlaps on areas such as mechanical, electrical and civil engineering, chemistry, materials science and biology.

## COURSE CONTENT

All degrees are modular, with six modules (or the equivalent in half-modules) each year. Students take a range of modules in engineering, chemistry and science. To obtain professional accreditation, students must follow a defined pathway.

### Stage 1

Students take several modules in Chemical Engineering modules as well as in Chemistry, Mathematics and Electrical Engineering.

### Stage 2

Students extend their knowledge of Chemical Engineering and study associated subjects such as computer-aided design and applications, laboratory practice, and professional studies.

### Stage 3

Comprises more advanced Chemical Engineering modules, various modules covering aspects of management and professional studies, an in-depth design project and an optional research project.

### MEng (Stage 4)

MEng students take a fourth year, when they study research-led modules in advanced Chemical Engineering and specialist topics such as analysis and computer simulation of advanced chemical processes, energy and quality management, and safety and environmental management. There are further professional studies modules involving an entrepreneurial project in this year, and a major industrial project.

Opportunities to study abroad under the Erasmus exchange programme and Study USA are available. We also have exchanges with Chalmers Technical University in Gothenburg, Sweden, and with Delft Technical University in Delft, the Netherlands.

## WHY QUEEN'S?

### Accreditation

The degrees are accredited by the Institution of Chemical Engineers.

### Awards

Our degrees develop transferable skills such as numeracy, problem-solving, communication (written and oral) and information retrieval. Students have the opportunity to submit a portfolio to the City & Guilds Licentiate award.

### Flexibility

The School offers degrees in Chemistry as well as Chemical Engineering, and students can switch between the two subject areas in the first year if their interests change and if they meet the criteria.

### Placement

Many of our students undertake placements and in recent years placement employers have included Almac, BP Chemicals, Du Pont, Eli-Lilly, ExxonMobil, GlaxoSmithKline, Invista, Merck, Pfizer, and Procter & Gamble.

## BEng Honours

Chemical Engineering 3 yrs (H800)

Chemical Engineering with a Year in Industry 4-yr SW (H804)

## MEng Honours

Chemical Engineering 4 yrs (H802)

Chemical Engineering with a Year in Industry 5-yr SW (H805)

See also Chemistry and Chemical Technology

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied), Physics, Software Systems Development, Technology and Design or Double Award Applied Science.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Chemistry or Physics at A-level should have a minimum of a grade C in either GCSE Chemistry and Physics or GCSE Double Award Science grades CC.

### MEng

#### A-level:

AAB including Mathematics at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied), Physics, Software Systems Development, or Technology and Design.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Chemistry or Physics at A-level should have a minimum of a grade B in either GCSE Chemistry and Physics or GCSE Double Award Science grades BB.

## For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Studying for a Chemical Engineering degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Our graduates are well regarded by many local, national and international employers. Over half of all graduate jobs are now open to graduates of any discipline, including chemical engineering.

We have close working relationships with a large number of employers including Warner-Chilcott, Almac, Invista, Seagate, and Johnson Matthey. As members of the Industrial Advisory board for our degree programmes, such companies advise us on degree content and also provide input to research projects.

## Further Study

Further study is also an option – graduates can choose one of our Master's programmes, as well as a comprehensive list of research topics; see the School website for further information.

## Athena SWAN

The school has been awarded the prestigious Athena SWAN silver award for its work in promoting women in science.

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

School of Chemistry and Chemical Engineering

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t: +44 (0)28 9097 5570  
w: [ch.qub.ac.uk](http://ch.qub.ac.uk)



# CHEMICAL TECHNOLOGY

This exciting new course reflects the School's distinctive position as the only combined School of Chemistry and Chemical Engineering in the UK to offer a degree comprising core elements of both disciplines. It also reflects the reality of the workplace, where chemists and engineers work together and need to be able to communicate with and understand each other. The core topics in both subject areas are studied, and then in the later stages of the course there is the opportunity to select specialist options modules in either Chemistry or Chemical Engineering. These choices allow students to decide whether they graduate with an MEng or MSci degree in Chemical Technology.

## COURSE CONTENT

As well as obtaining a high level of scientific and engineering knowledge, the Chemical Technology degree will also provide you with training in team-working and with communication skills. You will be equipped with the skills to work at the interface between the disciplines making you qualified for a range of different roles within the chemical industry. All degrees are modular, with six modules (or the equivalent in half-modules) each year. Students take a range of theoretical and practical modules in engineering, chemistry and maths.

The modules are:

### Stage 1

Students study Organic, Inorganic and Physical Chemistry as well as Chemical Engineering, Process and Product Design and Mathematics.

### Stage 2

The theory behind the core topics of each discipline are covered in detail. Students have the opportunity to apply their theoretical knowledge to solve computer-based problems as well as take part in a group project in process design.

### Stage 3

Comprises more advanced modules in each discipline with the opportunity to take both a Chemical Engineering design project and a Chemistry mini-research project. A range of specialist modules are taken, allowing students to specialise in one discipline.

### Stage 4 – MEng / MSci

All students carry out a research project, working alongside postgraduate students in one of the research groups in the school. Also taken are modules in process analytical chemistry and technology management and entrepreneurship. The choice of research project determines the additional Master's-level modules taken in Stage 4 and whether an MEng or MSci degree is awarded at graduation.

Opportunities to study in Europe, Canada and USA under the Erasmus and TASSEP exchange programmes are available.



### MEng Honours

Chemical Technology 4 yrs (H881)

Chemical Technology with a Year in Industry 5-yr SW (H882)

### MSci Honours

Chemical Technology 4 yrs (HH80)

Chemical Technology with a Year in Industry 5-yr SW (HH81)

See also Chemistry and Chemical Engineering

## Entrance Requirements

### A-level

AAB including Chemistry and Mathematics.

### BTEC Extended Diploma

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Studying for a Chemical Technology degree at Queen's will equip you with technical skills in both science and engineering. Through studying in a joint school of Chemistry and Chemical Engineering you will be trained in the interdisciplinarity needed to work in different areas in the Chemical Industry. The wide range of transferable skills obtained mean graduate jobs in a range of areas are also open.

Further study is also an option and Chemical Technology graduates are qualified to follow either a science or engineering path. Graduates can choose one of our Master's programmes, as well as from a comprehensive list of research topics for a postgraduate research qualification (MPhil or PhD); see the School website for further information.

## WHY QUEEN'S?

**Accreditation:** This is a new degree which will be considered for accreditation by both the Royal Society of Chemistry (RSC) and the Institution of Chemical Engineers (IChemE).

**Awards:** Our degrees develop transferable skills such as a high level of numeracy, computer skills, problem-solving skills, interdisciplinary communication, report writing, presentations and information retrieval.

**Flexibility:** The School also offers degrees in Chemistry and Chemical Engineering and students can change between the three subject areas in the first year if their interests change, providing the entrance requirements are met.

**Relevance:** We have close working relationships with a large number of employers and as members of the Industrial Advisory Board, such companies advise on degree content and also provide input to research projects.

**Athena SWAN:** The School has been awarded the prestigious Athena SWAN silver award for its work in promoting women in science.



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Jillian Thompson  
School of Chemistry and  
Chemical Engineering

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w: [ch.qub.ac.uk](http://ch.qub.ac.uk)

# CHEMISTRY

Chemistry is a core science subject that touches almost every aspect of our daily lives, and will become increasingly important in our future knowledge-based society. Chemists develop life-saving drugs, next-generation energy materials, chemical sensors and 'green' synthetic pathways that can enhance our quality of life beyond measure.

MSci degrees are available for high-calibre students with the ability and aspiration to practise Chemistry at the highest levels. BSc students with excellent performance may transfer to the MSci up to the end of Stage 2. The School has also introduced a degree in Chemical Technology, covering core elements of both chemistry and chemical engineering (see separate entry).

## COURSE CONTENT

While providing dedicated subject-specific learning, our Chemistry degrees strongly emphasise opportunities to develop generic problem-solving and reflective-working practices applicable to a range of career paths and patterns of employability.

Many of the elements of the BSc are in common with the MSci programme, and allow students to transfer between the two pathways, subject to meeting the appropriate programme requirements. All degrees are modular and all provide a thorough training in the three main subject areas (Inorganic, Organic and Physical Chemistry) through compulsory core modules which offer in-depth study of these three areas.

### BSc Honours (Chemistry)

**Year 1:** comprises a common programme with the Chemical Engineers, giving an understanding of how the two subjects relate to each other and an opportunity to transfer to the other discipline. Key to this is students study both introductory chemistry and chemical engineering and skills modules which equip them to proceed on either degree programme.

In the second semester students then take three modules covering the main fundamental subject areas – inorganic, organic and physical chemistry.

**Year 2:** students are required to take six modules of chemistry, designed to extend their knowledge of the traditional subject areas of inorganic, organic and physical chemistry, in addition to introducing aspects of applied chemistry, spectroscopy and theoretical chemistry. Each of the modules contain both practical and coursework components allowing students to develop, practise and demonstrate a wide range of professional skills.

**Year 3:** in addition to advancing the three main subject areas of organic, inorganic and physical chemistry, students can also select a number of applied options allowing opportunities to specialise. Students have the choice of taking either a research project directly supervised by a member of staff, or a series of three extended mini-projects in each of the main subject areas. Key to both of these options is the acquisition of both subject-specific and generic skills to act as a springboard to a successful career.

Different pathways offer opportunities to specialise through specialist modules and extended practical/ project work. The specialist pathways available consist of additional elements which are:

**Chemistry with Study Abroad:** students take French or Spanish alongside Chemistry in Stages 1 and 2, then spend a year abroad studying Chemistry in French or Spanish, returning to Queen's for Stage 3.

**BSc Sandwich:** students spend Year 3 working in industry (subject to availability of suitable placement), returning to Queen's for their final year of study.

### BSc Honours

Chemistry 3 yrs (F100)

Chemistry with a Year in Industry 4-yr SW (F104)

Medicinal Chemistry 3 yrs (F150)

Medicinal Chemistry with a Year in Industry 4-yr SW (F154)

### MSci Honours

Chemistry 4 yrs (F105)

Chemistry with a Year in Industry 5-yr SW

Chemistry with French 5 yrs (FR11)

Chemistry with Spanish 5 yrs (F1R4)

Chemistry with Study Abroad 4 yrs (F106)

Medicinal Chemistry 4 yrs (F15A)

Medicinal Chemistry with a Year in Industry 5-yr SW

See also Chemical Engineering and Chemical Technology

## Entrance Requirements

### BSc options

#### BSc Chemistry and BSc Medicinal Chemistry

##### A-level:

BBB including Chemistry and a second Science subject + GCSE Mathematics grade C

##### MSci options

#### MSci Chemistry / MSci Medicinal Chemistry (incl. sandwich options)

##### A-level:

AAB including Chemistry and a second Science subject + GCSE Mathematics grade C

#### MSci Chemistry with French/Spanish/Study Abroad

##### A-level:

AAB including Chemistry and a second Science subject + GCSE Mathematics grade C

**\*For French option:** A-level French grade B or A-level grades AAB plus AS-level French grade B

**\*For Spanish option:** A-level Spanish grade B or A-level grades AAB plus AS-level Spanish grade B

**Note:** if the language is studied at a higher level then the grade required at that level must be achieved.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Medicinal Chemistry:** students take modules which include Biochemistry, Genetics and Medicinal Chemistry, and a medicinal or biological project.

### MSci Honours (Stage 4)

Students carry out an independent research project. Students on the MSci programmes also have an option to carry out a year-long industrial placement with a leading UK or European company, normally between Stage 3 and Stage 4

## WHY QUEEN'S?

### Accreditation/Professional Recognition

All BSc and MSci Chemistry and Medicinal Chemistry degrees are accredited by the Royal Society of Chemistry and the Institute of Chemistry in Ireland.

### Flexibility

We teach Chemical Engineering as well as Chemistry and in the first year students have the unique opportunity to switch between the two different subjects, providing they have the appropriate A-levels.

### Placements

Many of our students take placements ranging from a few weeks work experience to full year internships. Past placement employers have included pharmaceutical companies such as Almac and Warner-Chilcott, Randox (medical diagnostics), and Seagate (computer components).

## CAREERS/FURTHER STUDY

Studying for a degree in Chemistry at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. We support the development of transferable skills such as numeracy, problem-solving, communication and information retrieval, giving students an edge in the employment market. Our graduates are well regarded by many employers (local, national and international) and have entered careers in a wide variety of fields, including the pharmaceutical and fine chemical industry, the forensic services, publishing, marketing, teaching and the financial services. Over half of all graduate jobs are now open to graduates of any discipline, including chemistry.

## Further Study

Further study is also an option – graduates can choose one of our Master's programmes, as well as a comprehensive list of research topics; see the School website for further information.

## Athena SWAN

The school of Chemistry and Chemical Engineering has been awarded the prestigious Athena SWAN silver award for its work in promoting women in science.



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

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Chemical Engineering

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# CIVIL ENGINEERING

Civil engineers provide the infrastructural support required to sustain life. This includes water and power, roads, railways, schools, hospitals, flood protection and the developed city skyline. They provide the technical skills needed to protect the environment.

Civil Engineering was one of the founding degrees at Queen's, making it one of the oldest in the UK and Ireland. Staff lead high-quality research and are recognised for their excellence in teaching.

Civil Engineering at Queen's was ranked 4th in the UK in the 2018 Guardian University League tables.

## COURSE CONTENT

These degrees are designed to provide students with a good basis for a professional career as a chartered Civil Engineer. Emphasis is placed on the practical application of theory through design and laboratory work.

The degrees contain an element of modular choice, but all students are required to take modules which will equip them with the technical, management and professional skills needed for a career in civil engineering.

### Stage 1

Students study the fundamentals of civil engineering theory and practice. This forms the transition from the basic mathematics and sciences studied at secondary level to engineering applications.

At the end of Stage 1 all students take part in a week-long residential surveying field course.

### Stage 2

This is a very important year of study, when the major knowledge of civil engineering subjects and their application within design are developed.

Students following the sandwich degree will take an Industrial Placement Year between Stages 2 and 3 for both BEng and MEng students, or between Stages 3 and 4 for MEng students.

### Stage 3

Theory is applied in a professional context in Stage 3. Students are introduced to management and economics within the civil engineering profession.

All students undertake a major individual research project. BEng students graduate at the end of this year.

### Stage 4

The MEng is an Integrated Master's programme, therefore Stage 4 is set at Master's level.

In this year students develop knowledge of building construction and business management. They work in teams on large integrated designs, which form a substantial part of their studies. They broaden their knowledge through a wide choice of modules, while being required to take relevant core civil engineering subjects to advanced level.

## WHY QUEEN'S?

Civil Engineering at Queen's is an academic partner of the Institution of Civil Engineers and has one of the highest graduate employment rates in the Russell Group of universities.

**BEng (Hons) Accredited CEng (Partial):** accredited as partially satisfying the educational base for a Chartered Engineer (CEng). A programme of accredited Further Learning will be required to complete the educational base for CEng. See [jbm.org.uk](http://jbm.org.uk) for further information and details of further learning programmes for CEng.

## BEng Honours

Civil Engineering 3 yrs (H200)  
Civil Engineering with a Year in Industry 4-yr SW (H204)

## MEng Honours

Civil Engineering 4 yrs (H202)  
Civil Engineering with a Year in Industry 5-yr SW (H205)

See also Environmental and Civil Engineering and Structural Engineering with Architecture

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development, Technology and Design or Double Award Applied Science.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

#### BTEC HND and HETAC Ordinary Degree:

Applicants offering a high standard in a relevant HND or HETAC Ordinary degree may be granted direct entry to Stage 2.

### MEng

#### A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** MEng applicants will automatically be considered for admission to the BEng if they are not eligible for entry to the MEng, both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BEng and MEng may be possible at the end of Stage 2.

#### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**MEng Accredited CEng (Full):** accredited as fully satisfying the educational base for a Chartered Engineer (CEng). See [jbm.org.uk](http://jbm.org.uk) for further information.

**Placement:** many of our students have gained international work placements through, for example, IAESTE.

## CAREERS/FURTHER STUDY

Our graduates can not only choose from a range of rewarding and challenging careers in civil engineering, but are also sought after in accountancy, commerce, education and research.

Many of our former graduates have risen to the top of their fields and include many famous figures, eg Peter Rice (Designer of Sydney Opera House, Centre Pompidou and the Louvre Pyramid); Tan Sri Datuk Chin Fung Kee (led the design and construction supervision of the Penang Bridge and helped found the University of Malaya, and was Vice-Chancellor).

We regularly consult and develop links with a large number of local, national and international employers, some of whom provide sponsorship through the national QUEST Scholarship Scheme. We also have a Civil Engineering Advisory Panel, which includes members from major employers.

## Further Study

Graduates can also choose further study from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

"I decided to study Civil Engineering because of the wealth of opportunities it would provide. Engineers are sought out all over the world and I knew that my maths and physics abilities would lend themselves to Civil Engineering. The main reason I chose Queen's was its reputation for Civil Engineering."

Rebekka Mcllwaine,  
Graduate Civil Engineer

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

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w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)



# COMMON AND CIVIL LAW WITH FRENCH

This is a fully integrated programme between Law and French. You will focus on the sources of French law, the practice of justice in France, and topical issues with legal/judicial ramifications, whilst also obtaining a Qualifying Law Degree (QLD) for England, Wales and Northern Ireland. The year abroad is a unique opportunity for linguistic development by immersion in Francophone culture. In a globalised workforce, proficiency in an additional language, together with the experience of studying abroad, significantly enhances your employability.

## COURSE CONTENT

The degree offers students the opportunity to study the modules required for a Qualifying Law Degree (Legal Methods and Skills, Constitutional Law in Context, European Constitutional Law, Internal Market Law, Criminal Law, Rights and Accountability, Torts, Contract, Equity, Land Law, Contemporary Issues in Property Law, Evidence) in addition to furthering their French studies through a range of modules.

### Stage 1

- Constitutional Law in Context
- Legal Methods and Skills
- Rights and Accountability
- Criminal Law
- French 1

### Stage 2

- Equity
- Land Law
- European Constitutional Law
- European Internal Market Law
- French 2

### Stage 3

- Contract
- Torts
- Contemporary Issues in Property Law
- Evidence
- French 3

## WHY QUEEN'S?

### Global Opportunities

Students spend an academic year studying French at a university in France or Belgium. This significantly enhances the employability of students and the global opportunities open to them.

### Professional Accreditations

All of the undergraduate Law degrees offered at Queen's are recognised qualifying law degrees, which means that they are accredited by legal professional bodies in Northern Ireland, England and Wales and the Republic of Ireland. This means that the degree covers those subjects that are regarded as pre-requisites for professional legal studies.

### Industry Links

Law students have the unique opportunity of working with industry leaders through commercial awareness events and other negotiation exercises that offer insight into the legal practice (and services) world, but also providing an enhanced skills development experience.

Past students have gained work placement with organisations such as the Council of the EU, European Commission, European Parliament, United Nations (UN), Organisation for Security and Co-operation in Europe (OSCE), Council of Europe, and Thomson Reuters.

## LLB Honours

Common and Civil Law with French 4 yrs (M2R1)

See also Law, Law with Politics and Common and Civil Law with Hispanic Studies

## Entrance Requirements

### A-level:

AAA including A-level French grade A

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## World-Class Facilities

The new Law School at Queen's offers students access to World Class facilities such as a fully interactive Moot Court room, various seminar rooms and a wellbeing room. Queen's has an excellent library with an outstanding range of resources in French and Francophone cultures. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

## Internationally Renowned Experts

Law at Queen's is taught by world-leading experts in the area of Law including Human Rights, Criminology and Socio-Legal Studies. Our staff have close research links with the professions, government and Civil Society. Research in Law was ranked 15th in the UK in the most recent Research Assessment (Times Higher Education rankings based on REF 2014). French at Queen's is taught by world-leading experts in French and Francophone Culture, with particular expertise in visual culture, linguistics, popular culture, medical humanities and postcolonial writing. Research in Languages at Queen's was ranked 3rd in the UK in the most recent Research Assessment (Times Higher Education rankings based on REF 2014).

## Student Experience

Students can join a number of student-led initiatives within the School including the Law Society, the ADR Society and the Street Law Project. Other initiatives include the Queen's Student Law Journal and the Mooting Society. Students run a lively French Society, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

## CAREERS/FURTHER STUDY

Studying Law with French at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including Law.

Although a large percentage of our graduates are interested in pursuing careers in Law, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Management Consultancy
- Corporate Banking
- Purchasing Officer
- Fast Stream Civil Service
- Publishing, Media and Performing Arts
- Export Marketing
- Advertising
- Finance
- Law Enforcement and Public Prosecution
- Varied graduate programmes (Times Top 100 UK Graduate Recruiters/AGR Association of Graduate Recruiters UK)

## Placement Employers

Our past students have also gained work placements with organisations such as:

- The Council of the EU
- The European Commission
- The European Parliament
- The United Nations (UN)
- The Council of Europe
- Thomson Reuters
- The Organisation for Security and Co-operation in Europe (OSCE)

## Other Employer Links

Top international law firms, including the 'Magic Circle' law firms, ie Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaughter & May, and many more.

## Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures.

## Further Study

Further study is also an option open to Law graduates. Students can choose to progress to a vocational course (Solicitor or Barrister course) or can choose from a wide range of Master's programmes as well as a comprehensive list of research topics (see the Law School website).

"Baker McKenzie selected Belfast as a location in large part because of the quality of the education system in Northern Ireland and the tremendous talent from universities right on our doorstep. We recruit extensively at graduate level and have been delighted with the quality of graduates from Queen's. We have developed a strong relationship with the School of Law and look to continue to work with Queen's ahead as our business continues to grow."

Sarah Fowler,  
Baker McKenzie



**THE LAW PROGRAMME AT QUEEN'S IS RANKED IN THE TOP 150 IN THE WORLD**  
(QS World Rankings by Subject 2017)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Kevin Brown,  
Programme Director for LLB pathways  
School of Law

e: [k.brown@qub.ac.uk](mailto:k.brown@qub.ac.uk)  
t: +44 (0)28 9097 3858  
w: [qub.ac.uk/law](http://qub.ac.uk/law)

# COMMON AND CIVIL LAW WITH HISPANIC STUDIES

This is a fully integrated programme between Law and Spanish. You will focus on the sources of Spanish law, the practice of justice in Spain, and topical issues with legal/judicial ramifications, whilst also obtaining a Qualifying Law Degree (QLD) for England, Wales and Northern Ireland. The year abroad is a unique opportunity for linguistic development by immersion in Spanish culture. In a globalised workforce, proficiency in an additional language, together with the experience of studying abroad, significantly enhances your employability.

## COURSE CONTENT

The degree offers students the opportunity to study the modules required for a Qualifying Law Degree (Legal Methods and Skills, Constitutional Law in Context, European Constitutional Law, Internal Market Law, Criminal Law, Rights and Accountability, Torts, Contract, Equity, Land Law, Contemporary Issues in Property Law, Evidence) in addition to furthering their Spanish studies through a range of modules.

### Stage 1

- Constitutional Law in Context
- Legal Methods and Skills
- Rights and Accountability
- Criminal Law
- Spanish 1

### Stage 2

- Equity
- Land Law
- European Constitutional Law
- European Internal Market Law
- Spanish 2

### Stage 3

- Evidence
- Contract
- Contemporary Issues in Property Law
- Torts
- Spanish 3

## WHY QUEEN'S?

### Global Opportunities

Students spend an academic year studying Spanish at a university in Spain. This significantly enhances the employability of students and the global opportunities open to them.

### Professional Accreditations

All of the undergraduate Law degrees offered at Queen's are recognised qualifying law degrees, which means that they are accredited by legal professional bodies in Northern Ireland, England and Wales and the Republic of Ireland. This means that the degree covers those subjects that are regarded as pre-requisites for professional legal studies.

### Industry Links

Law students have the unique opportunity of working with industry leaders through commercial awareness events and other negotiation exercises that offer insight into the legal practice (and services) world but also providing an enhanced skills development experience.

### World-Class Facilities

The new Law School at Queen's offers students access to World Class facilities such as a fully interactive Moot Court room, various seminar rooms and a wellbeing room. Queen's has an excellent library with an outstanding range of resources in Spanish and Spanish/Hispanic cultures. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

## LLB Honours

Common and Civil Law with Hispanic Studies 4 yrs (M2R4)

See also Law, Law with Politics and Common and Civil Law with French

## Entrance Requirements

### A-level:

AAA including A-level Spanish grade A

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Internationally Renowned Experts

Law at Queen's is taught by world-leading experts in the area of Law including Human Rights, Criminology and Socio-Legal Studies. Our staff have close research links with the professions, government and Civil Society. Research in Law was ranked 15th in the UK in the most recent Research Assessment (Times Higher Education rankings based on REF 2014). Spanish at Queen's is taught by world-leading experts in Spanish and Spanish/Hispanic Culture, with particular expertise in visual culture, Peninsular and Latin American literature and culture, and medical humanities. Research in Languages at Queen's was ranked 3rd in the UK in the most recent Research Assessment (Times Higher Education rankings based on REF 2014).

## Student Experience

Students can join a number of student-led initiatives within the School including the Law Society, the ADR Society and the Street Law Project. Other initiatives include the Queen's Student Law Journal and the Mooting Society. Students run a lively Spanish and Portuguese Society, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

## CAREERS/FURTHER STUDY

Studying Law with Spanish at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including Law.

Although a large percentage of our graduates are interested in pursuing careers in Law, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Management Consultancy
- Corporate Banking
- Purchasing Officer
- Fast Stream Civil Service
- Publishing, Media and Performing Arts
- Export Marketing
- Advertising
- Finance

- Law Enforcement and Public Prosecution
- Varied graduate programmes (Times Top 100 UK Graduate Recruiters/AGR Association of Graduate Recruiters UK)

## Placement Employers

Our past students have also gained work placements with organisations such as:

- The Council of the EU
- The European Commission
- The European Parliament
- The United Nations (UN)
- The Organisation for Security and Co-operation in Europe (OSCE)
- The Council of Europe
- Thomson Reuters

## Other Employer Links

Top international law firms, including the 'Magic Circle' law firms, ie Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaught & May, and many more.

## Further Study

Further study is also an option open to Law graduates. Students can choose to progress to a vocational course (Solicitor or Barrister course) or can choose from a wide range of Master's programmes as well as a comprehensive list of research topics (see the Law School website).

"I had the opportunity to travel and divulge into a new culture and meet people from all over the world; both in Belfast and on my year abroad. Of course, I'm proud of my achievements directly relatable to my degree. All of that knowledge from my studies has been directly useful post-Queen's and in helping me towards my future career goals. Finally, as cheesy as it sounds, I grew up and developed in leaps and bounds whilst I was at Queen's. If I could go back and do it all over again, I'd love to!"

Catherine Elvin, LLB Common and Civil Law with Hispanic Studies



**13TH IN THE UK FOR LAW**  
(Guardian University Guide 2018)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Kevin Brown,  
Programme Director for LLB pathways  
School of Law

e: [k.brown@qub.ac.uk](mailto:k.brown@qub.ac.uk)  
t: +44 (0)28 9097 3858  
w: [qub.ac.uk/law](http://qub.ac.uk/law)

# COMPUTER SCIENCE

Computer Science is concerned with transforming how we live in the future. It will shape the technology that people interact with on a daily basis. In the future, virtually all of the ways we communicate, interact, travel and do business will have been improved by computer science and because of this, the world will need computer scientists. It is particularly concerned with the specification, design, construction and use of computer systems. It embraces subject areas such as software engineering, hardware architecture and design, information systems, communications, graphics, simulation and modelling, artificial intelligence and human-computer interaction.

Computer systems are often highly complex in nature and must be reliable in operation, and our Computer Science degree programmes provide knowledge and expertise in many of the concepts and approaches, which are required to design and maintain such systems.

## COURSE CONTENT

These degrees aim to teach the fundamental principles of Computer Science, together with the necessary skills, tools and techniques to enable our graduates to embark on careers as professional software engineers, or to become suitably qualified to undertake research in Computer Science. As with all of our courses, industrial engagement forms an integral part, balancing academic theory with practical learning. The programme contains the following themes:

### Year 1

- Programming
- Computer Architecture, Networks and Databases
- Introductory Software Engineering
- Rigorous Problem-solving

### Year 2

- Advanced Programming (including Java, C++ and Android)
- Architecture and Networks
- Data Structures, Algorithms and Programming Languages
- Information Modelling
- Computation Theory

Students on a sandwich programme will spend a year on a paid full-time placement. The School has links with over 500 local,

national and international employers, eg BT, Liberty IT, Civica, Kainos (Belfast), IBM (England), Microsoft, Oracle (Dublin), Fujitsu (Japan) and Siemens (Germany), and students are assisted in obtaining placements.

### Year 3

- Artificial Intelligence and Advanced Data Analytics
- Advanced Computer Architecture
- Concurrent Programming
- Information System Security
- Secure Software Design
- Video Analytics and Machine Learning
- Malware Analysis
- Formal Methods
- Computer Science Project

These advanced modules permit each student to tailor their skills towards one or more areas of computer science specialism.

### Year 4 (MEng)

This four- or five-year extended degree has been established to provide a supply of particularly well-qualified graduates who will become industry leaders. It contains a blend of Computer Science and Software Engineering knowledge and skills, as well as skills in conducting state-of-the-art research. Students have the option of a year's professional experience in industry.

## BEng Honours

Computer Science 4-yr SW (G404)

## BSc Honours

Computer Science 4-yr SW (G400)

Mathematics and Computer Science 3 yrs (GG41)

## MEng Honours

Computer Science 4 yrs (G402)

Computer Science 5-yr SW (G405)

## MSci Honours

Mathematics and Computer Science 4 yrs (GGK1)

See also Software Engineering and Computing and Information Technology

## Entrance Requirements

### BEng/BSc Single Honours

#### A-level:

BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

#### OR

ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 120/100 credits at Distinction and 60/80 credits at Merit + GCSE Mathematics grade C.

### BTEC Higher National Diploma/ Foundation Degree:

Those with good grades in a relevant Higher National Diploma/Foundation Degree will be considered individually on their merits for entry to Stage 2 + GCSE Mathematics grade C.

## MEng/MSci

#### A-level:

AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

#### OR

AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit + GCSE Mathematics grade C.

#### All applicants:

Computer Science, Computing and Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these degrees at the end of first year, subject to meeting the normal progression requirements. In addition, MEng applicants will automatically be considered for admission to the appropriate BEng if they are not eligible for entry to the MEng, both at initial offer-making stage and when results are received.

For MSci and BSc Joint Honours with Mathematics entrance requirements see Mathematics entry

#### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**The Computer Science programme at Queen's is ranked in the top 175 in the world.**

(Times Higher Education World University Rankings 2018)

The first two years and much of Year 3 are common with the BSc/BEng degree. Transfer to the MEng is possible for selected students at the end of Stage 2, subject to performance. Stage 4 themes include:

- Algorithms: Analysis and Applications
- High Performance Computing: Principles of Parallel Programming
- Advanced Machine Learning
- Advanced Software Engineering and Development Project

## WHY QUEEN'S?

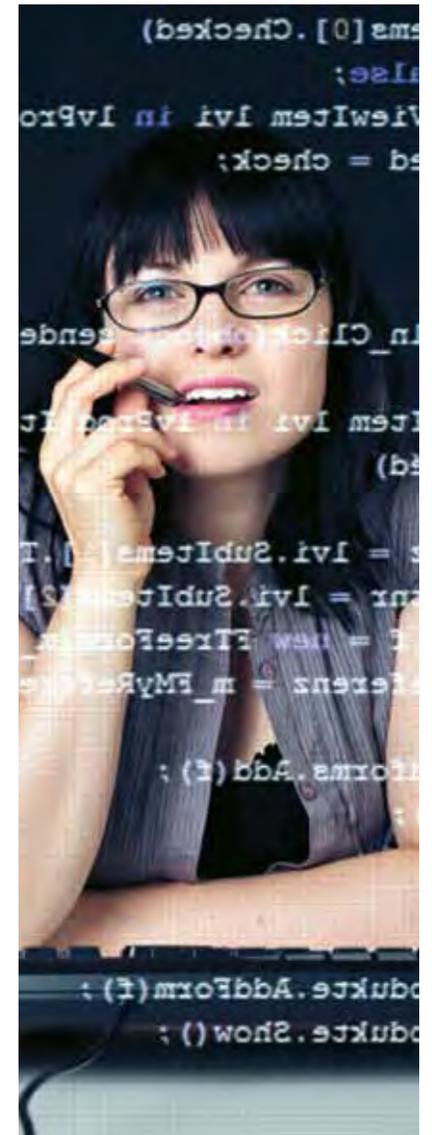
**Links with Industry:** the School has links with over 500 IT companies both here and abroad, and benefits from the fact that there are more software companies located in Northern Ireland than any other part of the UK, outside of London. This benefits our students on many levels through providing industrial input into our degree content, summer and year-long placements and competitions organised by the companies.

**Scholarships:** due to the high demand for Computer Science graduates, some 15–20 scholarships are available, including some sponsored by Civica, Citi and Liberty IT, worth up to £25k. All provide for a cash stipend each academic year, a guaranteed industrial placement, an opportunity for additional part-time work during the academic year, plus the opportunity of a permanent position on graduation. For further information on these and other scholarships available, see the School website.

## CAREERS/FURTHER STUDY

Northern Ireland has an excellent international reputation for the quality and supply of its software engineers, and many national and international companies have chosen here as a base for their computing divisions in recognition of the high quality of graduates produced by the local universities.

Career options for Computer Science graduates include: software engineer; systems analyst; web designer; games developer; systems developer; IT consultant; and project manager. Our graduates are also perfectly placed to embark on a research career, with opportunities to study at Master's level or pursue one of the many topics of research; see the School website for further information.



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School of Electronics, Electrical Engineering and Computer Science

e: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
t: +44 (0)28 9097 4669  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)

# COMPUTING AND INFORMATION TECHNOLOGY

Computing and Information Technology will be key to the development and growth of companies in the future. As technology advances, business will need individuals who are comfortable in client situations, making collaborative efforts to solve information technology problems across a wide range of business sectors. Our Computing and Information Technology degree aims to give students a sound knowledge across a broad range of information technology subjects.

This degree is ideal for students who are interested in all aspects of IT and embraces subject areas such as programming, web development, database design and human-computer interaction.

Team-working skills have an important role to play and software development on this degree has a web-based focus. Industry is embedded in our courses and this benefits our students on many levels – from industrial input to the content of our courses, through to year-long and summer placements, as well as activities such as competitions organised by companies.

This four-year degree (three years plus a placement year) will involve development of the applied computing, interpersonal, communication and IT skills necessary to develop, select, deliver, manage and maintain cutting-edge IT infrastructures and advanced IT systems.

## COURSE CONTENT

This degree aims to teach the necessary skills, tools and techniques to enable our graduates to embark on careers as IT professionals in a wide variety of roles, and involves extensive practical work with a significant portion completed in team-orientated projects.

There is an emphasis on user experience and information security throughout the degree, which contains the following themes:

### Year 1

- Programming
- Computer Architecture, Networks and Databases
- Introductory Software Engineering
- Rigorous Problem-solving

### Year 2

- Human-Computer Interaction
- Information Management Systems
- Web-based Programming
- System Administration and Maintenance
- Software Engineering

### Year 3

- IT Enterprise Project
- Agile and Lean Software Development
- Data Analysis and Visualisation
- Information Systems Security
- Software Testing
- Software Design Principles and Patterns

## BSc Honours

Computing and Information Technology with a Year in Industry 4-yr SW (GG45)

See also Computer Science and Software Engineering

## Entrance Requirements

### A-level:

BBB including Mathematics, Computing or Software Systems Development + GCSE Mathematics grade C

OR

ABB including Biology, Chemistry, Digital Technology, ICT (including Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C

OR

AAB + GCSE Mathematics grade C

### BTEC Extended Diploma:

A non-relevant BTEC Extended Diploma with 140 credits at Distinction and 40 credits at Merit + GCSE Mathematics grade C

OR

A relevant computing, engineering or scientific BTEC Extended Diploma with 120/100 credits at Distinction and 60/80 credits at Merit + GCSE Mathematics grade C.

### BTEC Higher National Diploma/ Foundation Degree:

Those with good grades in a relevant Higher National Diploma/Foundation Degree will be considered individually on their merits for entry to Stage 2 + GCSE Mathematics grade C.

### All applicants:

Computer Science, Computing and Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these degrees at the end of first year, subject to meeting the normal progression requirements.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

The modules build progressively on each of these themes throughout the first two years.

Students then undertake a full year's paid placement, which is an opportunity both to practise the principles learned to date and to gain practical experience as an IT professional. Students then take their final year modules, including a major project, which pull together many of the individual themes of the degree.

## WHY QUEEN'S?

**Placement:** all students undertake a paid placement year in industry. The School has links with over 500 local, national and international organisations. Examples of companies where our students have spent their placements include Microsoft, Kainos, Allstate, Citi and Belfast City Council.

## CAREERS/FURTHER STUDY

Studying for a Computing and Information Technology degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by local, national and international employers.

Northern Ireland has an excellent international reputation for the quality and supply of its software engineers, and many companies, both national and international, have chosen it as a base for their computing divisions in recognition of the high quality of graduates produced by the local universities.

Careers open to graduates with a BSc Honours in Computing and Information Technology include systems engineer, systems analyst, web designer, systems developer, IT consultant, and project manager.

## Further Study

Further study is also an option – graduates can choose from a range of Master's programmes as well as a list of research topics; see the School website for further information.



“The best things about my course are the students and lecturers, the projects you get to work on, and the wide variety of interesting topics that give you an excellent grounding for lots of careers. There's a good balance between practical and theory, and the chance to spend a year in industry is invaluable!”

Emma Elliott, Northern Ireland, BSc Computing and Information Technology graduate

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

School of Electronics, Electrical Engineering and Computer Science

e: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
t: +44 (0)28 9097 4669  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)

# CRIMINOLOGY

Criminology focuses on the causes and consequences of crime, as well as how the criminal justice system responds to crime. Criminologists are interested in how activities come to be defined as criminal, and why definitions of crime vary across countries and over time. The subject includes a wide range of social and psychological theories that attempt to explain criminal behaviour and the effective operation of the criminal justice system.

## COURSE CONTENT

### Stage 1

#### Compulsory modules

- Introducing Criminology
- Exploring Criminology

#### Optional modules

- Introducing Social Policy
- Visualising the Social World
- Rethinking Society
- The Sociological Imagination
- Comparative Politics
- Issues in Contemporary Politics
- Themes and Issues in Social Policy
- Digital Society
- Researching the Social World
- Power, Ritual and Symbol: The View from Anthropology

### Stage 2

#### Compulsory modules

- Criminological Theory
- Policing and Society
- Crime and Society
- Qualitative Research Skills
- Quantitative Research Skills

#### Optional modules

- Environmental Justice
- Crime and the Media

### Stage 3

#### Compulsory modules

- Punishment, Penal Policy and Prisons
- Research Project and Dissertation
- Youth, Crime and Criminal Justice
- Criminology Beyond Borders

#### Optional modules

- Psychological Perspectives on Crime
- Criminal Justice in Transition

## WHY QUEEN'S?

### Research-led Teaching

Criminology is taught by a group of internationally-recognised criminological researchers who specialise in areas such as criminal justice policy, prisons, community sanctions, drug use, youth justice, conflict and human rights.

### Prizes

The highest achieving graduates are awarded the Lockheed Prize annually.

### Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

### Facilities

The School is located within a recently renovated building, with state-of-the-art teaching and learning facilities, together with dedicated student space including a large student common room. The teaching facilities enable an interactive learning environment.



**1ST IN UK FOR CRIMINOLOGY**  
(Guardian University Guide 2018)

## BA Single Honours

Criminology 3 yrs (M900)

Criminology and Social Policy 3 yrs (ML94)

Criminology and Sociology 3 yrs (ML93)

See also Social Policy and Sociology, and Sociology

## Entrance Requirements

**A-level:**  
ABB

### All applicants:

There are no specific subject requirements to study Criminology.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

The diversity of interests and topics covered in the discipline, plus the wide range of skills it equips you with, means that our students enter a wide range of careers on graduation. Public and private sector organisations involved in the criminal justice system continue to expand and the demand for criminology graduates is strong. The number and variety of career opportunities related to the criminal justice system has increased in recent years.

As well as the traditional criminal justice agencies such as the police, probation service and the prison service, criminology graduates work in a range of occupations, including the media, Civil Service, research, teaching, business, voluntary organisations and management. Criminology graduates also work in victim support organisations and in other social care agencies. Some graduates build on the degree by undertaking further study or training in fields such as policing, probation work, prison service, social work, law, human rights, social science research and teaching. The School has a strong postgraduate programme, offering both Master's and PhD degrees.

Studying for a Criminology degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

Around 80 per cent of students are in employment, with an average starting salary of £16,000, six months after finishing the course (source: Unistats).

Typical career destinations of graduates include:

- Researcher
- Civil Servant
- Policy Analyst
- Charity Fundraiser
- Market Researcher
- Youth and Community Worker
- Graduate employers include:
  - Northern Ireland Civil Service
  - Northern Ireland Housing Executive
  - National Health Service

- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Santander
- Belfast City Council
- Ipsos Mori
- Commission for Victims and Survivors NI

“While studying Criminology at Queen's I had the opportunity to complete a work placement conducting my own project on youth crime. This, coupled with the encouraging environment and support means I would strongly recommend studying Criminology at Queen's.”

Laura Wylie, Craigavon, Northern Ireland, BA Single Honours Criminology graduate (2015)

**Criminology at Queen's provides a unique context to study crime and justice in a society emerging from conflict.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Siobhán McAlister  
School of Social Sciences,  
Education and Social Work

e: [s.mcalister@qub.ac.uk](mailto:s.mcalister@qub.ac.uk)  
t: +44 (0)28 9097 5918  
w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)



# CRIMINOLOGY AND SOCIAL POLICY

Criminology focuses on the causes and consequences of crime, as well as how the criminal justice system responds to crime. The subject includes a wide range of social and psychological theories that attempt to explain criminal behaviour and the effective operation of the criminal justice system.

Social Policy explores how we can improve human wellbeing through tackling intractable social problems and delivering better-quality public services. As an applied and critical social science, you will gain knowledge and understanding of contemporary government policies, their impacts, and consider how we can achieve improvements.

## COURSE CONTENT

### Stage 1

#### Compulsory modules

- Introducing Criminology
- Introducing Social Policy
- Exploring Criminology
- Themes and Issues in Social Policy
- Rethinking Society

#### Optional modules

- The Sociological Imagination
- Digital Society

### Stage 2

- Criminological Theory
- Policing and Society
- Welfare in Theory and Practice
- Qualitative Research Skills
- Quantitative Research Skills
- Ageing and the Life Course

### Stage 3

#### Compulsory modules

- Disability and Society
- Punishment, Penal Policy and Prisons
- Youth, Crime and Criminal Justice
- Policy Briefing Paper

#### Optional modules

- Criminal Justice in Transition
- Gender, Family and Social Policy: Comparative Perspective
- Psychological Perspectives on Crime
- Criminology Beyond Borders

## WHY QUEEN'S?

### Research-led Teaching

Criminology and Social Policy is taught by a group of internationally recognised researchers who specialise in areas such as criminal justice policy, prisons, community sanctions, drug use, youth justice, conflict and human rights.

### Prizes

The highest achieving graduates are awarded the Lockheed Prize annually.

### Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

### Facilities

The School is located within a recently renovated building, with state-of-the-art teaching and learning facilities, together with dedicated student space including a large student common room. The teaching facilities enable an interactive learning environment.

## BA Joint Honours

Criminology and Social Policy 3 yrs (ML94)

See also Criminology, Criminology and Sociology, Social Policy and Sociology, and Sociology

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Criminology and Social Policy.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Criminology and Social Policy graduates are ideally placed for work in a range of occupations, including the Civil Service, public services, policy analysis, media, research, teaching, business, the voluntary sector, commerce, marketing and management. Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching. Tailored careers advice and study guidance are available to all students throughout their time at Queen's.

Typical career destinations of graduates include:

- Researcher
- Civil Servant
- Policy Analyst
- Charity Fundraiser
- Market Researcher
- Youth and Community Worker

The following is a list of some of the employers that have attracted graduates from the School in recent years:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Commission for Victims and Survivors NI
- Santander
- Belfast City Council
- Ipsos Mori
- South Eastern Library Board
- REED
- Ulster University
- Queen's University Belfast

### Further Study

Further study is also an option open to Criminology and Social Policy graduates. You can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

**Criminology and Social Policy at Queen's provides a unique context to study crime, justice and social policy in a society emerging from conflict.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Bronagh Byrne  
School of Social Sciences,  
Education and Social Work

e: [b.byrne@qub.ac.uk](mailto:b.byrne@qub.ac.uk)  
t: +44 (0)28 9097 1478  
w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)

"The three years I have spent studying at Queen's have been incredibly rewarding. The course offers a wide range of interesting and diverse modules covering a wide range of topics and interests. The support and guidance from the department and the expertise of staff has provided me with an invaluable experience that has furthered my knowledge and understanding of both criminological and sociological theory and has motivated me to further my learning by undertaking a Master's degree at Queen's."

Rachel Stanley, Joint Honours Graduate (2016), current MSc Youth Justice student



# CRIMINOLOGY AND SOCIOLOGY

Criminology focuses on the causes and consequences of crime, as well as how the criminal justice system responds to crime. Criminologists are interested in how activities come to be defined as criminal, and why definitions of crime vary across countries and over time. The subject includes a wide range of social and psychological theories that attempt to explain criminal behaviour and the effective operation of the criminal justice system.

Sociology is a scientific discipline concerned with the explanation of social life and human behaviour of all kinds. It equips students with the skills to understand the breadth of social practice, ranging from the global (including conflict, security, climate change and social justice) to individual experiences (such as the body, beliefs and mental health).

## COURSE CONTENT

### Stage 1

- Introducing Criminology
- Introducing Social Policy
- Exploring Criminology
- Rethinking Society
- The Sociological Imagination
- Digital Society

### Stage 2

#### Compulsory modules

- Criminological Theory
- Crime and Society
- Policing and Society
- Qualitative Research Skills
- Quantitative Research Skills

#### Optional modules

- Northern Ireland: Conflict, Identity, Peace
- Health, Illness and Social Bodies
- Environmental Crime and Justice
- The Power of Social Theory
- Social Inequalities and Diversity
- Crime and the Media

### Stage 3

#### Compulsory modules

- Punishment, Penal Policy and Prisons
- Psychological Perspectives on Crime
- Contemporary Irish Society

#### Optional modules

- Youth, Crime and Criminal Justice
- Religion: Death or Revival
- Modern Families, Intimate and Personal Relationships
- Global Risk Society
- Norms and Social Change
- Childhood Matters
- Criminology Beyond Borders

## WHY QUEEN'S?

### Research-led Teaching

Criminology is taught by a group of internationally recognised criminological researchers who specialise in areas such as criminal justice policy, prisons, community sanctions, drug use, youth justice, conflict and human rights.

### Prizes

The highest achieving graduates are awarded the Lockheed Prize annually.

## BA Joint Honours

Criminology and Sociology 3 yrs (ML93)

See also Criminology, Criminology and Social Policy, Social Policy and Sociology, and Sociology

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Criminology and Sociology.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

## Facilities

The School is located within a recently renovated building, with state-of-the-art teaching and learning facilities, together with dedicated student space including a large student common room. The teaching facilities enable an interactive learning environment.

## CAREERS/FURTHER STUDY

Criminology and Sociology graduates work in a wide range of occupations, including the media, Civil Service, police, research, teaching, business, commerce, marketing and management. Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching. Tailored careers advice and study guidance is available to all students throughout their time at Queen's.

Studying for a Joint Honours Degree in Criminology and Sociology at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

The diversity of interests and topics covered in the discipline, plus the wide range of skills it equips you with, means that our students enter a wide range of careers on graduation. These include the public sector (eg social services, education, criminal justice, social work), private sector (eg market research, policy analysis, human resources), and third sector (eg policy analyst, researcher, youth support worker, charity fundraiser). A number of our students also go on to postgraduate study, on a full or part-time basis.

The following is a list of the major career sectors (and indicative starting salaries) that have attracted our graduates in recent years:

- Fast Stream Civil Service: £25,000
- Diversity Manager: £22,800
- Public Policy Analyst: £19,000
- Public Relations Officer: £16,000-£25,000
- Volunteer Coordinator: £20,000-£26,500

- Social Researcher: £22,000
- Social Worker (after relevant graduate track degree): £23,500
- Public Administrator: £22,300
- Charity Fundraiser: £15,000-£24,000
- Police Officer: £22,300
- Teacher (after relevant graduate track degree): £21,500

## Graduate employers include:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Santander
- Belfast City Council
- Ipsos Mori
- Commission for Victims and Survivors NI



**1ST IN UK FOR CRIMINOLOGY**  
(Guardian University Guide 2018)



## Further Study

Further study is also an option open to Criminology and Sociology graduates. You can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

**Criminology and Sociology at Queen's provides a unique context to study crime and justice in a society emerging from conflict.**

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
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School of Social Sciences,  
Education and Social Work

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w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)

# DENTISTRY

The Dental School at Queen's has been responsible for delivering dental education in Northern Ireland since 1920.

In the National Student Survey 2017, where our final year students have an opportunity to give anonymous feedback on the completion of their five-year course, the Bachelor of Dental Surgery degree at Queen's University received a 98 per cent satisfaction rate, placing us joint third in the UK.

## COURSE CONTENT

### Years 1 and 2

Students are attached to dental clinics and also undertake modules where they learn about the foundations of clinical practice including the biomedical and behavioural sciences as well as the principles of dental patient management, dental health promotion and core clinical dental skills.

### Year 3

Introduces a greater clinical component within the various clinical dental specialties as well as developing students' core clinical skills in Restorative dentistry. Students also learn about the impact of systemic disease in dentistry.

### Years 4 and 5

Emphasis is on teaching advanced dental clinical skills within the range of clinical specialties in dentistry. Students carry out the full range of dental treatment for their own adult and child patients. Most of the paediatric dentistry course is carried out in outreach clinics.

## WHY QUEEN'S?

### Accreditation

The Queen's University Bachelor of Dental Surgery (BDS) degree programme is recognised and approved by the United Kingdom's General Dental Council (GDC) as a registrable qualification.

### Clinical Placements

Students will have the opportunity to undertake clinical placements from year 1 of the course. During their course students will gain valuable experience in a range of clinical settings to help develop their skills and career opportunities.

### Professional Training

Students who successfully complete the BDS programme can apply for full registration with the GDC, which allows the registrant to practise as a dentist in the UK.

### Intercalated Degrees

During the course of their dental degree, some students opt to study for an extra year to achieve an additional intercalated MSc or BSc. This may be undertaken at the end of the second or third year and involves an extra year of study taken as a 'year out' from the Dentistry course. Dental students can undertake an intercalated degree in a range of areas including psychology, public health, clinical anatomy, biochemistry and microbiology.

### World-Class Facilities

We take great pride in our commitment to enhancing the student learning experience and our modern clinical facilities are a key part of this. Our students are working and learning in clinics which have been redeveloped to a high specification and a new state-of-the-art Clinical Techniques Laboratory (CTL) is now used by students throughout the programme.

## BDS

Dental Surgery (Bachelor of) 5 yrs (A200)

See also Biomedical Science and Human Biology

### Entrance Requirements

#### Interview:

All offers are made on the basis of interviews. All candidates will be ranked and a proportion selected for interview. Offers will be made on the results of the interview. There are 15 International places available on the BDS degree and interviews for these students take place online.

#### UKCAT:

All applicants, assigned as NI, GB or EU for fees purposes, are required to sit the UK Clinical Aptitude Test (UKCAT) and the results achieved will be used as part of the selection process prior to interview. Further information on UKCAT is available at [ukcat.ac.uk](http://ukcat.ac.uk).

#### A-level School Leavers:

AAA including Biology/Human Biology and Chemistry, GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level.

For all A-level School Leavers a maximum of one Applied A-level will be counted. Please also note that only one Mathematics subject will be counted at A-level. A-level Critical Thinking and both A-level and AS-level General Studies are not acceptable.

For NI, GB and EU applicants, GCSE performance in the best 9 subjects will be scored with 4 points awarded for an A\* (grade 8 and 9 in the new grading scale) and 3 for an A grade (grade 7 in the new scoring scale). Points are not awarded for B and C grades (grades 6, 5 and 4 in the new grading scale). For those who have not undertaken GCSE or equivalent level qualifications, then an academic score will be calculated on the basis of school reports.

UKCAT will be scored and used in conjunction with the academic score to rank for interview.

AS-level performance and additional GCSE A grades may also be taken into account in borderline cases.

Evidence of commitment to Dentistry, motivation, communication skills and initiative are important.

#### Graduates:

Applications from graduates or those in the final year of their degree are considered and the full academic background is taken into account. The minimum A-level threshold (or equivalent in other qualifications) is BBB at first attempt, ie: prior to commencing degree studies, or BBC at the first attempt for those with a First Class Honours Degree or PhD. Applicants must have the appropriate science background at GCSE and AS-level/A-level or equivalent (see below) and at least a 2.1 Honours classification in their primary (first) degree, which can be from a wide range of different subjects. A-level Chemistry and Biology/Human Biology are required. In addition, GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level. Graduate applicants who fulfil these criteria are then scored with their UKCAT.

Graduate applicants from a non-science background but who fulfil the conditions in terms of grades achieved at the first attempt (ie in their original choice of A-level subjects) and degree performance will be considered if they undertake the appropriate Science qualifications on completion of their degree.

#### International Applicants

International applicants are not scored (as above) and in considering applications a range of factors is taken into account including previous academic performance, predicted results (if applicable), evidence of English language ability, the Personal Statement and Reference.

For information on international qualification equivalents (eg the International Baccalaureate Diploma, USA/Canadian High School Diplomas or Hong Kong Diploma in Secondary Education), please select your country in the International Students website.

#### Transfers from other Dental Schools:

Applications will only be considered in exceptional circumstances and entry will be to first year only. All normal entry requirements must be satisfied.

#### Information for all applicants

• Prior to admission all applicants will be required to provide evidence that they are non-infectious for HIV, Hepatitis B and Hepatitis C. Applicants who receive offers will be required to complete a health assessment with the Occupational Health Service of the University in accordance with Department of Health guidelines for new entrants to the Health Service.

• As a result of current legislative requirements, any offer made will be conditional on a satisfactory criminal history check (Access NI Enhanced Disclosure Check). To enable the University to request this check you will be required to provide some personal information

which will be treated in the strictest of confidence and in line with Data Protection Principles. The current cost of an Enhanced Disclosure Check is £33. At time of printing, changes are due to be implemented and relevant procedures and/or costs may change. Applicants will be advised of the relevant requirements at the appropriate time. For international students, a Certificate of Good Conduct or equivalent will be required in lieu of an Access NI check. Additional checks may be required depending on the applicants address history.

• The degree is subject to the University's Regulations on Fitness to Practise.

• Applicants will be required to give permission for a check against the Excluded Student Database prior to offers being made. This is a national database which records those who have previously been excluded from professional programmes because of fitness to practise concerns.

• Selection criteria for Dentistry are reviewed annually and therefore you should read the selection procedures which are available at [go.qub.ac.uk/ugstudy](http://go.qub.ac.uk/ugstudy), under 'Entrance Requirements and Selection Criteria' for further details and up-to-date information, prior to applying. This includes a pdf entitled 'How We Choose Our Students'.

More detailed information on applying to study Dentistry at Queen's is also available from the School website at:

[qub.ac.uk/schools/mdbs/Study/Dentistry](http://qub.ac.uk/schools/mdbs/Study/Dentistry)

**Note:** the deadline for applications to this degree for 2019 entry is 6.00pm on 15 October 2018 and NI, GB and EU applicants should make arrangements to undertake UKCAT in advance of this.

#### For students whose first language is not English

An IELTS score of 7.5 with a minimum of 7.0 in Speaking and Listening and 6.0 in the other test components or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

"My favourite aspect of the dental course is the clinical work. Every day we encounter something new and interesting, which makes the course very enjoyable."

Stephen Mullan,  
Dentistry student

## CAREERS/FURTHER STUDY

Studying for a dental degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

There are a wide range of career opportunities available in Dentistry. Following graduation, it is mandatory to undergo a further one year of training in a Dental Foundation Training Scheme. Dentists can then decide to follow a career as a general dental practitioner or train to become a specialist in a dental discipline. Other dental career options include hospital dentistry, community dentistry, armed forces dentistry and university teaching and research.

### Further Study

Many of our graduates combine specialist clinical training with further study at Queen's at PhD or Master's level in research or education.

## Dentistry at Queen's is ranked 5th in the UK.

(Guardian University Guide 2018)



**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Professor Donald Burden  
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w: [qub.ac.uk/mdbs](http://qub.ac.uk/mdbs)

# DIVINITY

The Bachelor of Divinity degree (BD) is a specialist course in Theology which equips students for handling all of the main theological disciplines. An integrated curriculum ensures a thorough grounding, by the time of graduation, in everything needed for vocational ministry or for postgraduate theological study. First-year (or Level 1) modules initiate students into Biblical Studies (including the biblical languages), Systematic Theology, Church History and Practical Theology. Building on this foundation, and incorporating an element of choice, Level 2 modules enable students to read Greek and Hebrew texts and consolidate their knowledge, skills and tools across the range of Theology's sub-disciplines. In their final year, while Practical Theology modules help all students explore interfaces with the contemporary Church, society or world, students also have opportunity to specialise in one or more areas of Theology. Through the BD programme, students develop sophisticated thinking and communication skills which are suited not only to Christian ministry or mission but to a great variety of professional situations.

## COURSE CONTENT

### Level 1

#### Compulsory (120 CATS)

- Introduction to Biblical Languages
- Beyond Paradise: An Introduction to the Pentateuch
- Early Church History
- Introduction to Systematic Theology
- Introduction to Jesus and the Gospels
- Introduction to Practical Theology

### Level 2

#### Compulsory (40 CATS)

- Greek Texts
- Hebrew Texts

#### Biblical Studies (at least 20 CATS)

- Old Testament Historical Books
- Biblical Theology
- Letters of Paul
- Revelation of John

#### Systematic Theology and Church History (at least 20 CATS)

- The Christian Doctrinal Tradition
- In Search of the Good Life: Ethics from Plato to Postmodernity
- Study of World Religions

- Christianity in Ireland since the Reformation
- Church History Project: Boyne Valley Field Trip

#### Practical Theology (at least 20 CATS)

- Youth Ministry 1
- The Theology and Practice of Pastoral Care

### Level 3

#### Independent Research (up to 40 CATS)

- Dissertation
- Double Dissertation
- Research Project

#### Biblical Studies (at least 20 CATS)

- Old Testament Prophetic Texts
- John
- Thinking and Singing: an introduction to the wisdom and lyrical books of the Old Testament
- Romans
- Hebrews
- Advanced Hebrew
- Advanced Greek

#### Systematic Theology, Philosophy and Church History (at least 20 CATS)

- Trends in Modern Theology
- Current Issues in Philosophical Theology
- Christianity in the Sixteenth Century
- Church History Field Trip to World War 1 Battlefields

## BD Honours

Divinity 3 yrs (V600)

See also: Theology

## Entrance Requirements

### A-level:

BBB

### All applicants:

There are no specific subject requirements to study Divinity.

Those returning to education after a break will be considered individually on their own merits.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Practical Theology (at least 40 CATS)

- Missiology
- The Church in the Contemporary World
- Youth Ministry 2
- Reconciliation Studies
- Reformed Spirituality and Worship

## WHY QUEEN'S?

### Global Opportunities

You will have the opportunity to take part in field trips to Belgium or Italy as well as elsewhere in the UK and Ireland. Erasmus exchanges (typically one semester long) are available in Budapest (Hungary) and Kampen (the Netherlands) or you may avail of the Study USA programme.

### Internationally Renowned Experts

By its very nature, and of necessity, Theology is authentically rooted in and focused on its immediate community setting: accordingly, all College staff are experienced and active practitioners in the Irish and British contexts. In addition, some enjoy international recognition and exposure, or have practised, taught or published, in Europe, North America or the developing world.

### Student Experience

Theology student satisfaction at Queen's is 93 per cent, ranked joint 7th in the UK (National Student Survey 2017)

### Prizes and Awards

Top performing students are awarded a scholarship by the Institute of Theology.

## CAREERS/FURTHER STUDY

Gaining your degree from Queen's Institute of Theology will put you in a strong position among UK Theology graduates. The excellent standards of our education are recognised by employers who value the quality of our programmes and recognise the skills of our graduates.

### Close Links with Employers

Theology at Queen's liaises closely with employers to offer guest lectures and on-site visits, amongst other activities. Theology students also take part in tailored employability and skills workshops, developed with the Student Guidance Centre.

## Skills to Enhance Employability

The analytical and communication skills that are essential to Theology are also recognised as important attributes for careers in many other areas, so there are job opportunities in many fields for successful graduates. Holders of a Theology degree will have demonstrated through their studies a capacity for assessing problems, exploring solutions and presenting the results of their work in a variety of media.

### Employment after the Course

- Social and community workers
- Teachers (primary and secondary)
- Civil servants
- Lawyers
- Journalists and media commentators
- Vocational Ministry
- Youth work

Graduate employers include DEL, PCI, Lloyds Banking Group, Housing Executive, Health and Social Care Trust.

“You have the opportunity to learn from some world-renowned scholars at Union Theological College and there is a real sense of community.”

Graham Mullan, BD Divinity

**In the most recent National Student Survey (2017), 93% of our Theology students said they were satisfied with the course.**



**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
The Director of the Institute of Theology

e: [theology@qub.ac.uk](mailto:theology@qub.ac.uk)  
t: +44 (0)28 9097 3612/3656  
w: [qub.ac.uk/ithe](http://qub.ac.uk/ithe)

# DRAMA STUDIES

Drama at Queen's combines history, theory and practice in an integrated and multidisciplinary approach, to discover why and how theatre works. Performance workshops and productions enable students to draw upon their reading of literary, cultural, historical and sociological studies to inform their practical understanding of performance. Students are also required to attend professional performances, and benefit from our exceptional links with the theatre sector in Northern Ireland and beyond. Visiting professionals lead workshops in specialist areas.

## COURSE CONTENT

All students take the following introductory modules at Level 1 (1st Year)

- DRA1001 Writing About Theatre: Theory, Criticism and Performance
- DRA1003 Introduction to Performing
- DRA1004 Introduction to Contemporary Performing Practices
- DRA1005 Theatre Now: Contemporary Performance
- DRA1006 Production Practices (technical module)

### Level 2 (2nd Year)

- DRA2002 Avant-Garde Theatre
- DRA2003 The Art of the Actor
- DRA2005 Devising Theatre
- DRA2007 Educational Drama
- DRA2009 Irish Theatre
- DRA2010 Greek Tragedy In Performance
- DRA2011 Art/History
- DRA2012 The Theatre of The Absurd
- DRA2022 Acting Shakespeare
- DRA2045 American Theatre
- DRA2050 Radio Drama
- DRA2051 Theory and Practice of Directing and Design

### Level 3 (3rd Year)

- DRA3010 The Theatre of Brian Friel
- DRA3025 Dissertation (including practice option)
- DRA3042 Post-conflict Drama: Performing the NI Peace Process
- DRA3056 Theory and Practice of Adaptation
- DRA3057 Drama, Health and Social Care
- DRA3060 Dance Theatre

- DRA3061 Performing the Classics
- SCA3001 Work-based Learning

## WHY QUEEN'S?

### Industry Links

Students have the opportunity to undertake a work placement in Year 3. This is a significant learning and employability enhancement opportunity. Drama at Queen's collaborates with leading arts organisations and theatre companies, such as the Belfast Festival, The Linen Hall Library, The Lyric Theatre, Prime Cut Productions, Tinderbox Theatre Company, Kabosh, and Ransom Productions, all of whom have helped us develop a vital professional practice dimension as part of our overall provision.

### World-Class Facilities

Our main teaching space, the Brian Friel Theatre ([brianfrieltheatre.co.uk](http://brianfrieltheatre.co.uk)), is one of the best-equipped theatres in Belfast with a 120-seat studio theatre, rehearsal room, dressing rooms, green room and workshop, housed in the Drama and Film Centre which also comprises the Queen's Film Theatre.

### Student Experience

Extracurricular performance opportunities are offered by the Tyrone Guthrie Society and the student Drama Society, which have taken productions to student festivals in Ireland and the UK. Productions have also been taken to the Edinburgh Fringe Festival and to festivals in Belgium and Italy.

### Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Université François-Rabelais, Tours.

## BA Single Honours

Drama 3 yrs (W400)

## BA Joint Honours

Drama and English 3 yrs (WQ43) (see page 156)

See also Drama and English, Film and Theatre Making, Film Studies and Production, and Broadcast Production

## Entrance Requirements

### A-level:

BBB

### All applicants

There are no specific subject requirements to study Drama, however, students should have an interest in issues of performance, and be prepared to participate in practical theatre classes.

All applicants who receive offers will be invited to attend an interview and workshop. Interviews will be held between January and April.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

Studying for a Drama degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates from this degree at Queen's are well regarded by many employers and over half of all graduate jobs are now open to graduates of any discipline. Many students also apply the skills they develop through the degree entrepreneurially to create their own work opportunities and the University runs a number of extracurricular programmes in entrepreneurship.

Although the majority of our graduates are interested in pursuing careers in the theatre or in teaching, significant numbers develop careers in a wide range of other sectors. Graduates of Drama at Queen's have gone on to work in professional theatre locally

in Northern Ireland and throughout Great Britain and across the world, for example on the production of the recent JK Rowling play *Harry Potter and the Cursed Child* in London, and on a number of film and TV productions including *Game of Thrones*.

### Further Study

Further study, including Master's programmes, is also an option; see the School website for further information.

### Alumni Success

- Des Kennedy, assistant director, *Harry Potter and the Cursed Child*, Palace Theatre London
- Lisa McGee, stage and screen writer, won the Stewart Parker and Blackburn Award for *Girls and Dolls* (2006)
- Kerri Quinn, lead role in *Educating Rita*, Lyric Theatre, Belfast

"With a strong network support of staff, the opportunities to establish links with theatre practitioners greatly enriched my experience of studying Drama at Queen's."

Kevin McCluskey,  
Lurgan, Northern Ireland  
BA (2010), MA (2011) Drama Graduate,  
PhD (2015) in Drama and Performance

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Mr David Grant  
Subject Lead (Drama)  
School of Arts, English and Languages

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w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# DRAMA AND ENGLISH

Students undertaking Drama and English at Queen's explore theatre, performance, literature and language in the widest possible sense; from ancient Greece to Renaissance England, to the Irish Literary Revival and on to Postmodern America; from the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures.

## COURSE CONTENT

### Stage 1

#### Core modules

- Writing About Theatre: Theory, Criticism and Performance
- Theatre Now: Contemporary Performance
- Introduction to Performing
- English in Transition
- Introduction to English Language
- English in Context

### Stage 2

Students select three optional modules in each subject, subject to availability:

#### DRAMA

- American Theatre
- Irish Theatre
- Introduction to Arts Management
- Avant-Garde Theatre
- The Art of the Actor
- Devising Theatre
- Educational Drama
- Greek Tragedy in Performance
- Art/History
- The Theatre of the Absurd
- Acting Shakespeare

#### ENGLISH

- History of English: Studying Language Change
- The English Language: Language and Power
- Foundations for Speech Analysis
- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Introduction to Shakespeare and Renaissance Drama
- Eighteenth-Century and Romantic Literature
- Literature and Society: 1850 – 1930
- Introduction to American Writing
- Irish Literature
- Introduction to Critical and Cultural Theory

### Stage 3

Students select three optional modules in each subject from the following list, subject to availability:

#### DRAMA

- The Theatre of Brian Friel
- Dissertation
- Postconflict Drama: Performing the NI Peace Process
- Theory and Practice of Adaptation
- Drama, Health and Social Care
- Dance Theatre
- Performing the Classics

#### ENGLISH

- Broadcasting and Identity
- Speech Worlds: Phonology in Acquisition and Disorder
- Stylistics: Analysing Style in Language
- The Structure of English
- Marvels, Monsters and Miracles in Anglo Saxon England
- Writing Africa: The Colonial Past to Colonial Present
- Contemporary Irish and Scottish Fiction
- Representing the Working Class
- Televising the Victorians
- Renaissance Performance, Gender, Space
- Shakespeare on Screen
- Literature and Science in the Nineteenth Century
- Digital Textualities and the History of the Book
- Knowledge, Power and Imagination: Writing the East, 1662-1835
- Irish Gothic
- Writing New York 1880-1940
- Special Topic Irish Writing
- Poetry and Precariousness in the C21st
- Contemporary US Crime Fiction
- Comic Fiction (1740-1820)
- Stevens and Bishop
- Double dissertation (English only)

## BA Joint Honours

Drama and English 3 yrs (WQ43)

See also Drama, English Studies, Film and Theatre Making, Film Studies and Production, and Broadcast Production

## Entrance Requirements

### A-level:

BBB including A-level English

**Note:** for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English.

There are no specific subjects requirements to study Drama. However, students should have an interest in issues of performance and be prepared to participate in practical theatre classes. All applicants who receive offers will be invited to attend an interview and workshop interviews will be held between January and April.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## COMMON MODULES

- Work-Based Learning (placement module)
- Double Dissertation (combining Drama and English)

## WHY QUEEN'S?

Our lecturers have international expertise in theatre, linguistics and literature, including Shakespeare, Applied and Educational Drama, Dance, Irish and American Theatre, and many have backgrounds in professional practice as directors, choreographers and dramatists. This ensures strong industry links with a large number of employers including, for example, BBC Northern Ireland, HBO, Lyric Theatre (Belfast), Grand Opera House (Belfast).

### Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from Players, the Drama Society and Poetry to the extensive links with local theatre companies and production houses.

## CAREERS/FURTHER STUDY

Studying for a degree in Drama and English at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates from this degree have the proven ability to analyse subjects in depth and develop coherent arguments in written and verbal form, as well as linguistic fluency and experience of living and working abroad, all of which are highly sought-after skills in a global job market.

In a context where over half of all graduate jobs are now open to graduates of any discipline, we have found that employers of all kinds wish to employ Drama and English graduates.

Although many of our graduates are interested in pursuing careers in teaching, business, the Civil Service or advertising, significant numbers develop careers in a wide range of other sectors. A list of the major career sectors that have attracted our graduates in recent years is shown below:

- Advertising
- Voluntary Sector/Charities
- Public Relations
- Banking
- Export Marketing
- Publishing, Media and Performing Arts
- Teaching

- Fast Stream Civil Service
- Theatre Production
- TV Production
- Film Production
- Varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

## Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example, in Drama:

- Peter Coulter, award winning journalist, BBC
- Des Kennedy, acclaimed director, notable recent work includes assistant director on JK Rowling's Harry Potter and the Cursed Child, Palace Theatre London, 2016
- Lisa Magee, acclaimed writer for stage and screen, won the Stewart Parker and Blackburn awards for Girls and Dolls (2006)
- Kerri Quinn, acclaimed actress, notable for her lead role in Educating Rita, Lyric Theatre, Belfast, 2015
- James Rae, technical specialist, HBO, Game of Thrones
- And in English:
  - Seamus Heaney, Nobel Prize-winning poet
  - Paul Muldoon, academic and poet
  - Stephen Rea, actor
  - Helen Madden, writer and actor
  - Annie Kelly, journalist and writer
  - Annie Mac, radio presenter

## Further Study

Further study is also an option open to Drama and English graduates. Students can choose from a wide range of Master's programmes, including:

- MA in English Literary Studies
- MA in Media and Broadcast Production
- MA in Film
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities

**Drama Studies at Queen's builds on the remarkable heritage of Drama in Northern Ireland, as represented by its internationally-acclaimed playwrights, including Brian Friel and Stewart Parker, and globally-esteemed actors including Liam Neeson, Ciaran Hinds, Frances Tomelty and Geraldine Hughes.**



## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

Mr David Grant  
Subject Lead (Drama)  
School of Arts, English and Languages

e: [d.grant@qub.ac.uk](mailto:d.grant@qub.ac.uk)  
t: +44 (0)28 9097 3329  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# ECONOMICS

A BSc Economics degree provides you with an opportunity to develop a firm understanding of human behaviour, not only in commerce, but also in wider society. The models used by economists are as much qualitative (expressed in words) as they are quantitative. You will be provided the opportunity to gain quantitative, analytical, computing, presentation, and writing skills. These transferable skills are highly sought-after across industry, and also provide an excellent platform for future entrepreneurs.

## COURSE CONTENT

### Year 1

- Principles of Economics
- Mathematics for Economists
- Applied Economics
- Statistical Methods
- Price Theory
- Economics of Money, Banking and Financial Markets

### Year 2

- Economic Growth
- Game Theory
- Managerial Economics
- Industrial Organisation
- Introduction to Econometrics
- Macroeconomic Theory and Policy

### Year 3

- Applied Econometrics
- International Trade

### Optional

- Labour Economics
- Economic History
- Public Economics
- Economics Dissertation
- Economics of Networks and Institutions
- International Macroeconomics

## WHY QUEEN'S?

### Student Satisfaction

Economics student satisfaction at Queen's is 84 per cent, ranked joint 15th in the UK (National Student Survey 2017).

### World-Class Facilities

You will have access to Bloomberg terminals in the FinTrU Trading Room,

giving students the skills, experience and knowledge necessary to prepare them for a career in the financial services sector.

Students will also have access to specialist mathematical and statistical training and software, giving them the skills, experience and knowledge necessary to prepare them for careers in economics and business analytics.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research.

### Student Experience

Students can join the Economics Society, a student-run organisation which aims to educate its members on the use of Economics in practice through guest speakers, field trips abroad and educational seminars.

### Study Abroad

The Study USA programme provides students with the funded opportunity to study for a year in a US university.

### Prizes and Awards

Top performing students are regularly awarded prizes, scholarships and internships from leading companies, including:

- Shaw Memorial Prize for best-performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics
- Economics Group Prize is awarded to the best presentation in the Level 3 Dissertation module

### BSc Single Honours

Economics 3 yrs (L100)

### BSc Major Honours

Economics with Finance 3 yrs (L1N3) (see page 162)

Economics with French 4 yrs (L1R1)

Economics with Spanish 4 yrs (L1R4)

### BSc Joint Honours

Economics and Accounting 3 yrs (LN14) (see page 160)

See also Accounting, Business Economics, Finance, and Politics, Philosophy and Economics (PPE)

## Entrance Requirements

### Single Honours

#### A-level:

ABB + GCSE Mathematics grade A

### Major Honours with a Minor in a Modern Language

#### A-level:

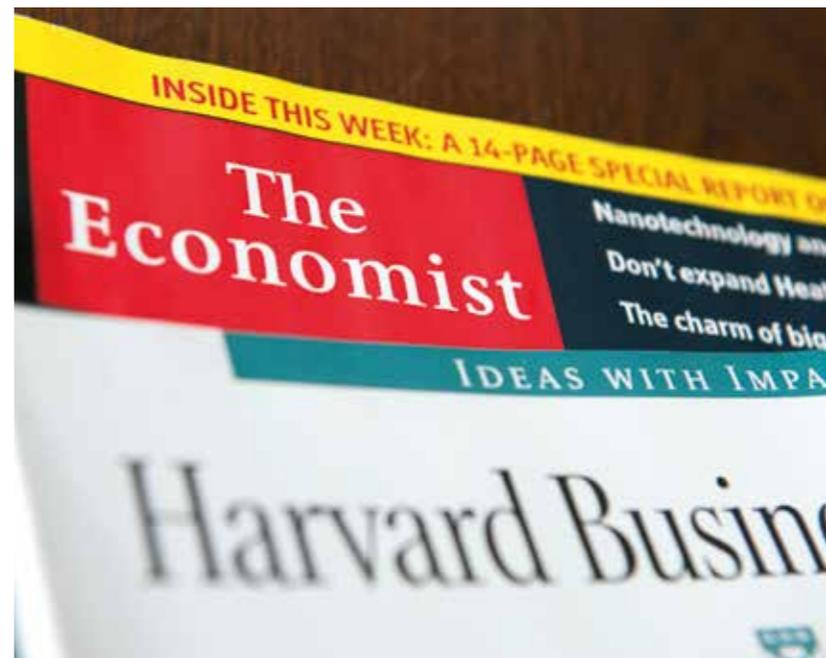
ABB + GCSE Mathematics grade B

- For French option: normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language
- For Spanish option: normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language

**Note:** if the language is studied at a higher level then the grade required at that level must be achieved.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

Those pursuing a career in Economics should enjoy working with numbers and dealing with ambiguous and incomplete information as they attempt to understand and provide solutions to problems. They should also be effective communicators and work well with people. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret very sophisticated economic and financial information, and work productively as part of a team.

### Graduate Careers and Achievements

The skillset of an Economics graduate is highly sought after by employers, in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, specialist careers in banking and investment appraisal, as well as more generalist positions in economic consulting.

Typical career destinations of graduates include:

- Economic Consulting
- Accountancy
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments

### Employment Links

Graduate employers include PwC, EY, KPMG, Deloitte, BDO, Ulster Bank, Bank of Ireland, First Trust, Northern Ireland Civil Service, Northern Ireland Statistics & Research Agency, JP Morgan, Morgan Stanley, BBC, National Trust.

### Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

"I work directly for the Mayor of London, and have overall responsibility for all of Transport for London services – London Underground, London buses, Docklands Light Railway, Crossrail operations, London Overground, London Trams and the Emirates Air Line cable car! I am also heavily involved in the Congestion Charging scheme, road safety and schemes to boost cycling and walking."

Mike Brown MVO,  
BSc Economics, Queen's University  
(Commissioner - Transport for London)

**84% of Queen's Economics students are satisfied with their course, ranking us joint 15th in the UK.**

(National Student Survey 2017)

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Chris Colvin Programme Director,  
BSc Economics  
Queen's Management School

e: [chris.colvin@qub.ac.uk](mailto:chris.colvin@qub.ac.uk)  
t: +44 (0)28 9097 4735  
w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# ECONOMICS AND ACCOUNTING

The Economics and Accounting degree provides you with the opportunity to study economics modules alongside accounting ones. This degree integrates core elements of both economics and accounting degrees and offers an ideal platform for graduate students to enter into the accounting profession.

## COURSE CONTENT

### Year 1

- Price Theory
- Mathematics for Economists
- Statistical Methods

### Year 2

#### Compulsory modules

- Managerial Economics
- Financial Decision Making
- Financial Accounting
- Management Accounting

#### Optional modules (choose 2)

- Financial Market Theory
- Introduction to Econometrics
- Macroeconomic Policy and Performance
- Industrial Organisation

### Year 3

#### Compulsory modules

- Advanced Financial Accounting
- Law of Business Organisations
- Advanced Management Accounting
- Taxation

#### Optional modules (choose 2)

- Applied Econometrics
- Labour Economics
- Economic History
- Public Economics
- International Trade
- Economics of Corporate Strategy

## WHY QUEEN'S?

### Student Satisfaction

Economics student satisfaction at Queen's is 84 per cent, ranked joint 15th in the UK (National Student Survey 2017).

### Placements

Economics and Accounting students may take an optional placement year after their second year. Recent placements from students studying economics and business economics include: PwC, KPMG, Citi, Oxford Economics, Belfast City Council, First Derivatives, and Tayto Group Ltd.

### Exemptions

Joint Economics and Accounting students are eligible for exemptions from some professional accounting examinations.

### Student Experience

Students can join the Trading and Investment Club, a student-run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

### Trading Room

Students have access to Bloomberg software, a market leader in financial news, data and analytics, which is used by many financial institutions. The FinTrU Trading Room allows for an interactive and exciting learning environment which brings textbook theory to life.

### Prizes and Awards

Top-performing students are regularly awarded prizes, scholarships and internships from leading companies including:

- Shaw Memorial Prize for best-performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics.

### BSc Joint Honours

Economics and Accounting 3 yrs (LN14)

See also Accounting, Business Economics, Finance, and Politics, Philosophy and Economics (PPE)

### Entrance Requirements

#### A-level:

ABB + GCSE Mathematics grade B

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Those pursuing a career in Economics should enjoy working with numbers and dealing with ambiguous and incomplete information as they attempt to understand and provide solutions to Economics-related problems to a range of stakeholders such as the banking industry, investors, government, industry, etc. They should also be effective communicators and work well with people. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem-solve, understand and interpret very sophisticated economic and financial information and work productively as part of a team.

### Graduate Careers and Achievements

Students graduating with a degree in Economics from Queen's are well placed to secure a range of employment opportunities in economics and related areas in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, specialist careers in banking and investment appraisal, as well as more generalist positions in economic consulting.

Typical career destinations of graduates include:

- Economic Consulting
- Accountancy
- Financial Consulting
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments

### Further Study

Further study is also an option open to Economics and Accounting graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

**84% of Queen's Economics students are satisfied with their course, ranking us joint 15th in the UK.**

(National Student Survey 2017)

"This degree teaches me to think critically about real-world economic problems, understanding how problems occur and how they can be resolved through market theory. It has allowed me to gain the necessary skills for employment such as quantitative, analytical, computing, presenting and writing. The broad range of subjects means that I can experience the various areas before deciding on which area I want to specialise in."

Amy Gamble  
BSc Economics and Accounting



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Chris Colvin  
Programme Director, BSc Economics  
Queen's Management School

e: [chris.colvin@qub.ac.uk](mailto:chris.colvin@qub.ac.uk)  
t: +44 (0)28 9097 4735  
w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# ECONOMICS WITH FINANCE

The Economics with Finance degree blends economics with finance-related modules. Two thirds of the degree's modules are economics-based whilst the other third are finance. Finance is the study of investment and money management and as such complements the economics modules. This degree provides an excellent platform for graduates to pursue a career in economics, finance and related industries.

## COURSE CONTENT

### Year 1

- Principles of Economics
- Mathematics for Economists
- Accounting
- Statistical Methods
- Price Theory
- Financial Institutions and Markets

### Year 2

- Economic Growth
- Financial Market Theory
- Managerial Economics
- Macroeconomic Theory and Policy
- Introduction to Econometrics
- Financial Decision Making

### Year 3

- Applied Econometrics
- International Macroeconomics
- Corporate Finance and Derivatives
- Equity Markets

### Optional

- Public Economics
- International Trade
- Economics Dissertation
- Economics of Networks and Institutions

## WHY QUEEN'S?

### Student Satisfaction

Economics student satisfaction at Queen's is 84 per cent, ranked joint 15th in the UK (National Student Survey 2017).

### Placements

Economics with Finance students may take an optional placement year after their second year. Recent placements from students studying economics and business economics include: PwC, KPMG, Citi, Oxford Economics, Belfast City Council; First Derivatives, and Tayto Group Ltd.

### Student Experience

Students can join the Trading and Investment Club, a student-run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

### Trading Room

Students have access to Bloomberg software, a market leader in financial news, data and analytics, which is used by many financial institutions. The FinTrU Trading Room allows for an interactive and exciting learning environment which brings textbook theory to life.

### Prizes and Awards

Top-performing students are regularly awarded prizes, scholarships and internships from leading companies including:

- Shaw Memorial Prize for best-performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics

### BSc Major Honours

Economics with Finance 3 yrs (L1N3)

See also Accounting, Business Economics, Finance, and Politics, Philosophy and Economics (PPE)

### Entrance Requirements

#### A-level:

ABB + GCSE Mathematics grade A

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Those pursuing a career in Economics should enjoy working with numbers and dealing with ambiguous and incomplete information. They should also be effective communicators and work well with people. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret very sophisticated economic and financial information and work productively as part of a team.

### Graduate Careers and Achievements

Students graduating with a degree in Economics from Queen's are well placed to secure a range of employment opportunities in economics and related areas in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, specialist careers in banking and investment appraisal, as well as more generalist positions in economic consulting.

Typical career destinations of graduates include:

- Financial Economists
- Accountancy
- Financial Consultants
- Teachers
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments

### Graduate Employers

PwC, KPMG, Capita, Ulster Bank, Citi, Northern Ireland Civil Service, The Treasury, Dow Chemical, BT.

### Further Study

Further study is also an option open to Economics with Finance graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

"I provide strategic insight into the Bank of Ireland's key markets in the UK and am responsible for all its economic and market research, briefings and presentations in Northern Ireland. I am a member of the Confederation of British Industry (CBI), Northern Ireland's economic affairs committee and also appear regularly in the local media."

Alan Bridle,  
Graduate in BSc Economics,  
Head of Economics & Market Analysis, Bank of Ireland, London and Northern Ireland

**84% of Queen's Economics students are satisfied with their course, ranking us joint 15th in the UK.**

(National Student Survey 2017)



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Chris Colvin  
Programme Director, BSc Economics  
Queen's Management School

e: [chris.colvin@qub.ac.uk](mailto:chris.colvin@qub.ac.uk)  
t: +44 (0)28 9097 4735  
w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

# EDUCATION

Education is studied both as a preparation for teaching in schools and as an important area of academic and professional activity. If you are considering a career in teaching, there are two possible routes:

## 1. The concurrent route

The four-year Bachelor of Education (BEd) Honours degree offered by the University Colleges (St Mary's or Stranmillis) is a professional programme for those intending to teach in Nursery, Primary or Post-Primary schools. Professional preparation is concurrent with the study of academic subjects.

## 2. The consecutive route

You will come to the University and take a degree other than Education, applying on graduation to the one-year postgraduate teacher education course (PGCE) in the University's School of Social Sciences, Education and Social Work. St Mary's and Stranmillis also offer specialist PGCE programmes in Irish Medium education and Early Years Education respectively.

Either way, you will be a graduate of Queen's and a qualified teacher. The University and the University Colleges are required by the Government to adhere to strict quotas for admission to each type of course; however, with both routes you will still be qualified to teach in any type of school.

If you want to be a Primary or a Post-Primary teacher and decide on the concurrent route, you can apply through UCAS to follow the BEd degree programmes in Stranmillis University College. Applications for the BEd degree programmes in St Mary's University College must be made directly to the College. Information on how to apply is available on the Colleges' websites.

### COURSE CONTENT

The BEd is a professional degree for those intending to teach in Primary or Post-Primary schools and is four years in duration. Teaching and learning for the degree are undertaken in the University Colleges.

#### BEd Honours Primary (4 yrs)

The degree comprises five inter-related strands:

1. Education Studies
2. Key Skills
3. Professional Development and School Experience
4. Curriculum Studies
5. Subject Study and Subject Application (St Mary's) or Area of Specialism (Stranmillis)

In addition to education theory (Education Studies), students will study all areas of learning in the Northern Ireland Curriculum.

### BEd

Education (Bachelor of) 4 yrs

#### Entrance Requirements

For BEd entrance requirements and admission information, please contact St Mary's and Stranmillis University Colleges directly.

**Note:** each of the University Colleges issues its own prospectus and application is made differently for each.

• St Mary's – students apply directly to the College (see [smucb.ac.uk/admissions](http://smucb.ac.uk/admissions))

• Stranmillis – students apply through UCAS (see [stran.ac.uk/informationabout/courses/bedteachereducation](http://stran.ac.uk/informationabout/courses/bedteachereducation) for the appropriate UCAS code).

“The discipline and skills that I developed as a student at Queen's have been invaluable. I graduated with the ability to engage successfully with people from a different country and culture and the confidence that I could live and work overseas.

Queen's combines academia with access to industry, providing a practical education in a supportive environment.”

Karena Vaughan, Founder and Managing Director, Catalina Consulting London

Students at St Mary's University College will be required to specialise in one of the following academic subject areas:

- English
- History
- Irish
- Mathematics
- Music
- Physical Education
- Religious Studies
- Science

Stranmillis offers the following Areas of Specialism for students in Years 1-3, which supplement their Curriculum Studies courses through increased skills, knowledge and subject-leadership development:

- Art and Design
- Drama and English
- Geography and History
- Music
- Numeracy
- Physical Education
- Religious Education
- Science

#### BEd Honours Post-Primary (4 yrs)

Students will have the opportunity to specialise in one of the following academic subject areas:

- Business and Enterprise
- Mathematics and Science
- Religious Studies
- Technology and Design

Students at Stranmillis (with the exception of Maths and Science students) will also select a subsidiary subject from:

- Computing
- English
- Mathematics
- Physical Education
- Religious Studies

#### SPECIAL FEATURES/ WHY QUEEN'S?

Both St Mary's and Stranmillis have a range of well-established partnerships that enable students to undertake part of their studies in alternative workplace settings or in international placements.

Other undergraduate degrees offered in the University Colleges are:

St Mary's: BA Honours (Liberal Arts)

Stranmillis: BA (Early Childhood Studies) and BSc (Health, Physical Activity and Sport)

For further details, consult the relevant University College prospectus.



### CAREERS/FURTHER STUDY

Students graduating with a BEd degree are qualified to teach in all types of Primary and Post-Primary schools in the UK, and the degree is also a recognised teaching qualification in many international settings.

In addition, the BEd qualifies graduates to work in education-related settings appropriate to their academic specialisms, for instance, as an Education Officer or Advisory Teacher, as well as in alternative education settings, and can also lead to employment in organisations where the training of staff is a key priority.

All students have the opportunity to continue their studies to postgraduate level at Stranmillis University College by selecting an appropriate specialist option from the MEd, MTeach or MA programmes. St Mary's offers an MEd programme specially designed for the professional development of teachers and educationalists which has 10 specialist options.

**Queen's is ranked in the top 200 in the world for Education and Training.**

(QS World Rankings by Subject 2017)

#### Entrance requirements

For BEd entrance requirements and admission information, please contact St Mary's and Stranmillis University Colleges directly (see below).

#### Contact

St Mary's University College  
Academic Registry  
t: +44 (0)28 9026 8320  
e: [admissions@smucb.ac.uk](mailto:admissions@smucb.ac.uk)  
w: [smucb.ac.uk](http://smucb.ac.uk)

Stranmillis University College  
Academic Registry  
e: [registry@stran.ac.uk](mailto:registry@stran.ac.uk)  
t: +44 (0)28 9038 4263  
w: [stran.ac.uk](http://stran.ac.uk)

# ELECTRICAL AND ELECTRONIC ENGINEERING

There can be few modern enterprises and aspects of human life which remain untouched by Electronics or Electrical Engineering – it is one of the broadest engineering disciplines. Electrical and Electronic Engineering at Queen's is concerned with solving practical problems using electrical/electronic science. It is an exciting area of immense growth with a worldwide shortage of qualified engineers.

The subject area is broad, ranging from microelectronic chip design and manufacture to power generation and distribution. Rapid advances are occurring in fields such as telecommunications, computer software, hardware and networking, medical electronics, security, virtual and augmented reality, control and robotics and renewable energy systems.

## COURSE CONTENT

### BEng

This is an enhanced, three-year Honours degree. All BEng students are normally required to complete at least 12 weeks of approved industrial training before graduating. The BEng is also offered incorporating a sandwich year in industry. This professional experience year is usually taken after Stage 2. Transfer from BEng to MEng is possible at the end of Stage 2, subject to satisfactory performance.

### Stage 1

- Electrical Engineering
- Electronics
- Computer Programming
- Embedded Systems
- Mathematics

### Stages 2 and 3

A choice of modules is offered, including:

- Circuits and Control
- Connected Health
- Control Systems Engineering
- Digital Systems Architecture and Design
- Electrical Power and Energy
- Electrical Power Engineering
- Electronics

- Embedded Systems
- Engineering Entrepreneurship
- High Frequency System Techniques
- Individual Project (BEng)
- Mathematics and Algorithms
- Networks and Communications Protocols
- Signals and Communications Systems
- Signal Processing and Communications

### MEng (Stage 4)

This four-year extended engineering degree has been established to provide a good supply of well-qualified engineers with an appropriate blend of engineering knowledge and skills in business practice and management. There is a core component of entrepreneurship, giving key insights into company creation. All of the material in the first two years is common with the BEng degree.

Stage 4 modules include:

- High Frequency Technology and Design
- Individual Project (MEng)
- Intelligent Systems and Control
- MEMS Devices and Technology
- Smart Grids
- Sustainable Energy Systems
- Wireless Communications Systems
- Wireless Sensor Systems

### BEng Honours

Electrical and Electronic Engineering 3 yrs (H600)

Electrical and Electronic Engineering 4-yr SW (H604)

### MEng Honours

Electrical and Electronic Engineering 4 yrs (H602)

Electrical and Electronic Engineering 5-yr SW (H605)

See also Software and Electronic Systems Engineering

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Technology and Design, Electronics, Further Mathematics or Double Award Applied Science.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

### Higher National Diploma:

Those with good grades in a relevant Higher National Diploma will be considered on their individual merits for entry to Stage 2.

### MEng

#### A-level:

AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Technology and Design, Electronics, or Further Mathematics.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** MEng applicants will automatically be considered for admission to the BEng if they are not eligible for entry to the MEng, both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BEng and MEng may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

“I would recommend Electrical and Electronic Engineering to anyone hoping to pursue a career in industry, as it is so well respected. I graduated in 2014, and have recently started a graduate scheme in BT working on projects aimed at reducing energy use through innovative and renewable technologies.”

Paula Dunlop, Belfast  
Electrical and Electronic  
Engineering Graduate



All MEng students must normally complete at least 24 weeks of approved industrial training before graduating. The MEng is also offered incorporating a sandwich year in industry – this professional experience year is usually taken after Stage 2.

## WHY QUEEN'S?

**Accreditation:** These degrees are fully accredited by the relevant professional body (the Institution of Engineering and Technology).

**Placement:** Students may undertake a year's paid placement in industry and there are currently many companies to choose from. Examples of companies where our students have spent their placements include BT, Sensata (Schrader), Andor Technology, NIE Networks, BAE Systems, Atkins, Microsoft and Seagate. Students may also gain summer work experience through the IAESTE programme. Croatia, Hong Kong, Thailand and Malaysia are just some of the countries our students have visited through this scheme.

**Scholarships:** Queen's is one of only eight UK universities involved in the prestigious 'Power Academy' scholarship scheme, which each year provides 60 scholarships worth over £30k each to well-qualified students on the BEng and MEng degrees across the eight member universities. NIE Networks, Caterpillar and Asidua also sponsor students on these degrees.

**Research-led Teaching:** Electrical and Electronic Engineering at Queen's is ranked in the Top 10 in the UK for research (Times Higher Education rankings based on REF 2014).

## CAREERS/FURTHER STUDY

A shortage of Electrical and Electronic Engineers, not only in Northern Ireland and the rest of the UK, but worldwide, means career prospects are excellent. The employment rate for Queen's graduates is 94.4 per cent (ie percentage employed in a graduate-level job within six months of graduating, HESA Destination of Leavers from Higher Education Survey, 2015/16). Studying for this degree at Queen's will help you to develop the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Although the majority of our graduates pursue careers in engineering, significant numbers develop careers in a wide range of other sectors.

### Further Study

Further study is also available – graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
School of Electronics, Electrical  
Engineering and Computer Science

e: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
t: +44 (0)28 9097 4669  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)

# ENERGY, ENVIRONMENT AND SUSTAINABILITY (FD)

This FdSc in Energy, Environment and Sustainability is taught at South West College in Omagh. The rural sector is currently undergoing a rapid change with the decline in importance and profitability of traditional industries, environmental pressures and new opportunities in diversification activities and technologies such as application of renewable energy, production of energy crops and industrial or business applications.

This programme aims to provide students with the technological and business skills required to meet these challenges, supporting the move towards environmental and financial sustainability within the rural economy.

## COURSE CONTENT

This degree is suitable for those who are interested in increasing their knowledge of renewable energies, diversification or rural business development and the integral work placement ensures that students are able to fully apply their knowledge gained on the programme.

The Foundation degree in Energy, Environment and Sustainability meets all these attributes through the provision of work placement, real-life case studies, an articulation route to the BSc Environmental Management degree within Queen's and partnership with South West College, Omagh Campus, where the programme is delivered.

The modules are:

### Stage 1

- Biomass and Biofuel Technology
- Business and Management
- Engineering Principles
- Environment and Sustainability
- Renewable Energy Applications
- Waste Management
- Wind Turbine Technology

### Stage 2

- Business Improvement Techniques
- Economics of Renewable Energy Technology
- Energy Assessment
- Environmental Business Planning
- Environmental Science
- Work Placement

## WHY QUEEN'S?

### Work Placement

Full-time students taking the foundation degree in Energy, Environment and Sustainability undertake a work-placement in the second semester of year 2. This compulsory work placement provides students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

Past students have gained work placement with organisations such as Armagh District Council, Cavan County Council, Terex Finlay Ltd, SynErgy NI Ltd, Department of Agriculture and Rural Development (now DAERA), and Future Renewables Ltd.

### Progression

Subject to achieving specific academic standards in the FdSc, students may articulate to Stage 2 of the BSc Environmental Management programme at Queen's University Belfast, or the Part-time BSc in Energy, Environment and Sustainability at Omagh Campus, South West College.

## FdSc (Foundation Degree)

Energy, Environment and Sustainability 2 yrs (FD) (D444)  
Based at South West College, Omagh Campus

See also Environmental Management

## Entrance Requirements

### A-level:

CC + GCSE Mathematics grade C

OR

CD including Biology, Chemistry, Geography, Mathematics or Physics + GCSE Mathematics grade C.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageRegs](http://go.qub.ac.uk/EnglishLanguageRegs)

## CAREERS/FURTHER STUDY

Studying for an FdSc Energy, Environment and Sustainability degree at Queen's and South West College will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates from this degree are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including Energy, Environment and Sustainability.

Although the majority of our graduates are interested in pursuing careers in renewable energy applications and environmental management, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Management Consultancy
- Environmental Consultancies
- Education Sector
- Civil Service

### Employer Links

We regularly consult and develop links with a large number of employers including, for example, Camphill Communities NI, Rural Generation Ltd, ReCyCo Ltd, Omagh and Fermanagh District Councils who are members of the employer liaison panel for the course.



**With the increasing costs associated with fossil fuel, the focus of the energy sector is moving steadily to renewable energy applications. This Foundation degree develops and improves participants' environmental knowledge and sustainable practices aimed at increasing diversification of economies. As well as gaining an understanding of the renewable energy sector, students will also be able to develop a sound understanding of current environmental and waste management systems, their future development and the legislation surrounding changes in environmental practice and resource management.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

John Moore / Dr Alberto Longo  
Programme Co-ordinators  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# ENGLISH STUDIES

Students undertaking English Studies at Queen's explore literatures in English in the widest possible sense. From the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures, students study English in its historical, cultural and ideological circumstances and material manifestations. Our language modules (also available on the Linguistics pathway) explore language structure and function; the day-to-day use of language, including in the media; and the major influences that have shaped English.

## COURSE CONTENT

### Stage 1

#### Core modules

- English in Transition
- English in Context
- Introduction to English Language

#### Optional Modules

- Introduction to Creative Writing
- Sounds of the City
- Adventures in Literature and the History of Ideas

### Stage 2

#### Optional modules

- An Introduction to Critical and Cultural Theory
- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Shakespeare and Renaissance Drama
- C18th and Romantic Literature
- Literature and Society 1850-1930
- American Writing
- Irish Literature
- Patterns of Spoken English
- Language and Power
- History of English Language

### Stage 3

#### Core module

- Dissertation

#### Optional modules

- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women's Writing 1660-1820
- Contemporary Irish and Scottish Fiction
- Representing the Working Class
- Televising the Victorians
- Shakespeare on Screen

- Literature and Science in the C19th
- Digital Textualities and the History of the Book
- Literature and the First World War
- Writing New York 1880-1940
- Contemporary Literature: Poetry and Precariousness in C21st
- Irish Gothic
- Stevens and Bishop
- Contemporary US Crime Fiction
- Comic Fiction: Fielding to Austen
- Special Topic Irish Literature
- Speech Worlds: Phonetics and Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language and Literature Together
- The Structure of English

**Note:** Modules at Stages 2 and 3 are subject to change based on availability.

## WHY QUEEN'S?

### Global Opportunities

English at Queen's offers a range of Study Abroad opportunities, from the Erasmus programme with a range of European partners, to the chance to study at a number of partner institutions in the United States.

### Industry Links

We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland.

### Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from the English Society and Poetry and Pints to the Lifeboat and the Yellow Nib, makes studying English at Queen's a unique proposition.

## BA Single Honours

English 3 yrs (Q300)

## BA Joint Honours

Anthropology and English 3 yrs (QL36)

Drama and English 3 yrs (WQ43)

English and Film Studies 3 yrs (QW36)

English and French 4 yrs (QR31)

English and History 3 yrs (QV31) (see page 176)

English and Irish 3 yrs (QQ53)

English and Linguistics 3 yrs (QQ31) (see page 178)

English and Philosophy 3 yrs (QV35)

English and Politics 3 yrs (QL32)

English and Sociology 3 yrs (QL33)

English and Spanish 4 yrs (QR34)

See also Drama and English, and English and History

## Entrance Requirements

### A-level:

ABB including A-level English for Single Honours and Joint Honours with Anthropology, French, History, Irish, Linguistics, Philosophy, Politics and Spanish. BBB including A-level English for other options.

**Note:** for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English.

### All applicants:

If you plan to study English as a Joint Honours degree you should refer to the subject requirements for the other course, in addition to those for English. For BA English and History, please see separate entry.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageRegs](http://go.qub.ac.uk/EnglishLanguageRegs)

## CAREERS/FURTHER STUDY

Studying for an English degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including English. In particular, employers value the initiative, imagination, creativity and independence of thought fostered by the English degree.

The following is a list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years:

- Advertising
- Librarianship
- Public Relations (£20,000)
- Publishing, Media and Performing Arts (£16,000–£25,000)
- Fast Stream Civil Service (£25,000)
- Management Consultancy

### Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example:

- Seamus Heaney, Nobel Prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter

### Further Study

Further study is also an option open to English graduates. Students can choose from a wide range of Master's programmes, including:

- MA in English Literary Studies
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities (English) – research-led

**Queen's is ranked in the top 100 in the world for English Language and Literature.**

(QS World Rankings by Subject 2017)



“As clichéd as it may be (and though this notion may be shunned in the art of creative writing!), the community of Queen's English really is one big supportive family. I employ not one ounce of hyperbole when I say that choosing to study English at Queen's was the greatest decision I ever have (and probably ever will) make in my life.”

Niamh Lundy, Stage 3 student

**English Studies at Queen's has an extraordinary heritage, as represented by its globally-esteemed writers, such as Nobel Laureate Seamus Heaney and T.S. Eliot Prize recipients Paul Muldoon and Ciaran Carson, among others. A new generation, such as Poetry Book Society 'Next Generation Poet' Dr Leontia Flynn, who also won the Forward Prize for Best First Collection, continue a proud tradition.**

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Stephen Kelly  
School of Arts, English and Languages

e: [s.p.kelly@qub.ac.uk](mailto:s.p.kelly@qub.ac.uk)  
t: +44 (0)28 9097 3952  
w: [qub.ac.uk/ae/](http://qub.ac.uk/ae/)

# ENGLISH AND HISTORY

Students undertaking English and History at Queen’s explore literature, language and history in the widest possible sense, from the earliest writings in Anglo-Saxon to contemporary Irish, British, and ‘global’ literatures. From the origins of ancient Greece and Rome to modern Irish, European, American and Chinese history, students study English in its linguistic, historical and ideological circumstances and in History can choose modules that focus on gender, social and cultural history, colonial history, politics, religious and economic change.

## COURSE CONTENT

### Stage 1

#### Core modules

- English in Transition
- English in Context
- Introduction to English Language
- History and Historians
- Exploring History 2
- Exploring History 1

### Stage 2

#### Optional modules

- Introduction to Critical and Cultural Theory
- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Shakespeare and Renaissance Drama
- C18th and Romantic Literature
- Literature and Society 1850-1930
- American Writing
- Irish Literature
- Patterns of Spoken English
- Language and Power
- History of English Language
- Politics and Society in C19th Ireland
- Politics and Society in C20th Ireland
- The Making of Contemporary Britain
- The Making of Modern Britain
- Greece and Macedon 404-337 BC
- Running the Roman Empire (AD 41-235)
- The American South 1619-1685
- The American South 1865-1980
- The Expansion of Medieval Europe
- The Roman Origins of the East and West 300-800
- Europe between the Wars
- Life, Love and Death in England and Ireland 1350-1650
- History and Society

- Revolutionary Europe 1500-1780
- Recording History
- Uniting Kingdoms
- Apocalypse! End of the World
- Maymester Module: Civil Rights in Northern Ireland and the US

### Stage 3

#### Optional modules

- Dissertation
- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women’s Writing 1660-1820
- Contemporary Irish and Scottish Fiction
- Representing the Working Class
- Televising the Victorians
- Shakespeare on Screen
- Literature and Science in the C19th
- Digital Textualities and the History of the Book
- Literature and the First World War
- Writing New York 1880-1940
- Contemporary Literature: Poetry and Precariousness in C21st
- Irish Gothic
- Stevens and Bishop
- Contemporary US Crime Fiction
- Comic Fiction: Fielding to Austen
- Special Topic Irish Literature
- Speech Worlds: Phonetics and Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language and Literature Together
- The Structure of English
- The Second World War in Europe
- The Peasants’ Revolt 1381
- Working Class Communities in UK
- Crisis and Decolonisation: The British Empire and the World, 1939-1997

## BA Joint Honours

English and History 3 yrs (QV31)

See also English Studies, and Drama and English

## Entrance Requirements

### A-level:

ABB including A-level English

**Note:** for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

- Society and Politics in Belfast 1780-1914
- The Russian Revolution
- Popular Culture in England 1500-1700
- The Origins of the Reformation
- The Soviet Union 1921-1991
- Britain and the Cold War 1945-1991
- Evangelical Protestantism in Ulster
- Kings and Saints in Early Medieval Ireland
- The Rise of Christianity 1
- The Rise of Christianity 2
- Rome Under The Early Emperors
- The Irish Revolution 1917-1921
- Dissertation
- Kings, Courts and Culture in Carolingian Europe
- After Slavery: Race and Labour
- Going Places
- Family, Gender and Household, 1740-1844
- Cold War in Asia
- The Age of Anxiety: Culture and Society in Interwar Ireland
- Religion, Secularisation and Conflict in Modern Europe, 1789 to Present
- There Ain’t No Black in the Union Jack: Race and Immigration in Post-war Britain
- The War of Ideas in C17th Ireland
- Modern America: The United States since 1964

**Note:** Modules at Stages 2 and 3 are subject to change based on availability.

## WHY QUEEN’S?

### Industry Links

We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland.

Internships have also been developed to allow students the opportunity to carry out work experience in history-related fields.

### Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from the English Society and Poetry and Pints to the Lifeboat and the Yellow Nib, makes studying English at Queen’s a unique proposition.

## CAREERS/FURTHER STUDY

Studying for an English and History degree at Queen’s will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

A good degree in English and History is a guarantee that the holder can analyse subjects in depth and develop coherent arguments in written and verbal form. In addition, the subject matter studied is always related to a wide range of contemporary issues, which allows graduates to understand the present in its proper perspective.

Graduates from this degree at Queen’s are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

A list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years is shown below:

- Advertising
- Librarianship
- Voluntary sector/charities (£15,000-£18,000)
- Public Relations (£20,000)
- Banking (£28,000)
- Export Marketing (£15,000-£25,000)
- Publishing, Media and Performing Arts (£16,000-£25,000)
- Teaching (£21,500)
- Fast Stream Civil Service (£25,000)
- Translation/Interpreting (£18,000-£26,000)
- Varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

### Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example, in English:

- Seamus Heaney, Nobel Prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter
- And in History:
- Bill Neely (ITV News Editor)
- Alan Green (Radio 5 Live)

## Further Study

Further study is also an option open to English graduates. Students can choose from a wide range of Master’s programmes, including:

- MA in English Literary Studies
- MA in Media and Broadcast Production
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master’s in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities (with a focus on English or History) – research-led

“I’ve had the chance to study such a breadth of prose, poetry and drama across all sorts of periods under some of the most fantastic lecturers. Probably my favourite aspect of studying at Queen’s is the community and friends that I’ve made within English. From being able to attend my lecturers’ research seminars to peer mentoring first years, it feels like a (fantastically literary) family and I feel I couldn’t have made a better choice.”

Micheal McCann, Stage 2 student

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Stephen Kelly  
School of Arts, English and Languages

e: [s.p.kelly@qub.ac.uk](mailto:s.p.kelly@qub.ac.uk)  
t: +44 (0)28 9097 3952  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)



# ENGLISH WITH CREATIVE WRITING

Students undertaking English with Creative Writing at Queen's explore literatures in English in the widest possible sense and work with some of the leading writers working in the UK and Ireland. From the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures, students study English in its historical, cultural and material contexts.

## COURSE CONTENT

### Stage 1

#### Core modules

- English in Transition
- English in Context
- Introduction to English Language

#### Optional Module

- Introduction to Creative Writing
- Sounds of the City
- Adventures in Literature and the History of Ideas

### Level 2

#### Core modules

- Creative Writing Drama
- Creative Writing Poetry
- Creative Writing Prose

#### Optional modules

- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Shakespeare and Renaissance Drama
- C18th and Romantic Literature
- Literature and Society 1850-1930
- American Writing
- Irish Literature
- Patterns of Spoken English
- Language and Power
- History of English Language
- An Introduction to Critical and Cultural Theory

### Level 3

#### Core module

- Dissertation

**Note:** Modules at Stages 2 and 3 are subject to change based on availability.

#### Optional modules

- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women's Writing 1660-1820
- Contemporary Irish and Scottish Fiction
- Representing the Working Class
- Televising the Victorians
- Shakespeare on Screen
- Literature and Science in the C19th
- Digital Textualities and the History of the Book
- Literature and the First World War
- Writing New York 1880-1940
- Contemporary Literature: Poetry and Precariousness in C21st
- Irish Gothic
- Stevens and Bishop
- Contemporary US Crime Fiction
- Comic Fiction: Fielding to Austen
- Special Topic Irish Literature
- Speech Worlds: Phonetics and Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language and Literature Together
- The Structure of English

## BA Single Honours

English with Creative Writing 3 yrs (Q3W8)

See also English Studies

## Entrance Requirements

### A-level:

ABB including A-level English

**Note:** for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Global Opportunities

English at Queen's offers a range of Study Abroad opportunities, from the Erasmus programme with a range of European partners, to the chance to study at a number of partner institutions in the United States.

### Industry Links

We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland.

### Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from the English Society and Poetry and Pints to the Lifeboat and the Yellow Nib, makes studying English with Creative Writing at Queen's a unique proposition.

## CAREERS/FURTHER STUDY

Studying for an English with Creative Writing degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including English. In particular, employers value the initiative, imagination, creativity and independence of thought fostered by our English degrees.

The following is a list of the major career sectors that have attracted our graduates in recent years:

- Publishing, Media and Performing Arts
- Public Relations
- Advertising
- Librarianship
- Fast Stream Civil Service
- Management Consultancy

### Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example:

- Seamus Heaney, Nobel Prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter



### Further Study

Further study is also an option open to English with Creative Writing graduates. Students can choose from a wide range of postgraduate programmes, including:

- MA in English Literary Studies
- MA in Media and Broadcast Production
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities (research-led)

"English at Queen's has a fantastic reputation, having taught some of the most famous poets and novelists in the UK."

Shiraz Engineer, London, England  
BA English with Creative Writing Graduate (2012)



**5TH IN UK FOR CREATIVE WRITING**  
(Guardian University Guide 2018)

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Stephen Kelly  
School of Arts, English and Languages

e: [s.p.kelly@qub.ac.uk](mailto:s.p.kelly@qub.ac.uk)  
t: +44 (0)28 9097 3952  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# ENVIRONMENTAL AND CIVIL ENGINEERING

Environmental and Civil Engineering is concerned with the impact of infrastructure on the natural environment. It encompasses planning, design, construction, sustainability and management of the built environment. Fields of activity include water engineering, waste management, structures, transportation and foundations. Environmental engineers require not only technical skills but also project management and communication skills.

Civil Engineering was one of the founding degrees at Queen's, making it one of the oldest in the UK and Ireland. Staff are leading high-quality research and are recognised for their excellence in teaching.

## COURSE CONTENT

This degree programme is designed to provide students with a good basis for a professional career as a chartered civil engineer. Emphasis is placed on the application of theory to the practical situation through design and laboratory work. The degrees contain an element of modular choice, but all students are required to take modules which will equip them with the technical, management and professional skills needed for a career in environmental and civil engineering.

### Stage 1

Students study the fundamentals of civil engineering theory and practice. This forms the transition from the basic mathematics and sciences studied at secondary level to engineering applications. At the end of Stage 1 all students take part in a week-long residential surveying field course.

### Stage 2

This is a very important year of study, when the major knowledge of Civil Engineering subjects and their application within design are developed. Students following the sandwich degree will take an Industrial Placement Year between Stages 2 and 3, or between Stages 3 and 4.

### Stage 3

Theory is now applied in a professional context. Students are introduced to water treatment and management and economics within the civil engineering profession. All students undertake a major individual research project.

### Stage 4

The MEng is an Integrated Master's programme, so Stage 4 is set at Master's level. In this year students develop knowledge of environmental and business management. They work in teams on large integrated designs, which form a substantial part of their studies. Students also broaden their knowledge by a wide choice of environmental engineering modules while being required to take relevant core Civil Engineering subjects to advanced level.

## MEng Honours

Environmental and Civil Engineering 4 yrs (H252)

Environmental and Civil Engineering 5-yr SW (H255)

See also Civil Engineering and Structural Engineering with Architecture

## Entrance Requirements

### A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** applicants for the MEng degree will automatically be considered for admission to the BEng Civil Engineering degree if they are not eligible for entry to the MEng degree both at initial offer making stage and when results are received.

**Option to Transfer:** transfers between BEng Civil Engineering degree and this MEng may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

Civil Engineering at Queen's is an academic partner of the Institution of Civil Engineers and 94.4 per cent of Queen's graduates are in employment or further study six months after graduation (HESA Destination of Leavers from Higher Education Survey, 2015/16).

**Accreditation:** this degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng), see [jbm.org.uk](http://jbm.org.uk) for information.

**Placement:** many of our students have also gained international work placement through organisations such as IAESTE.

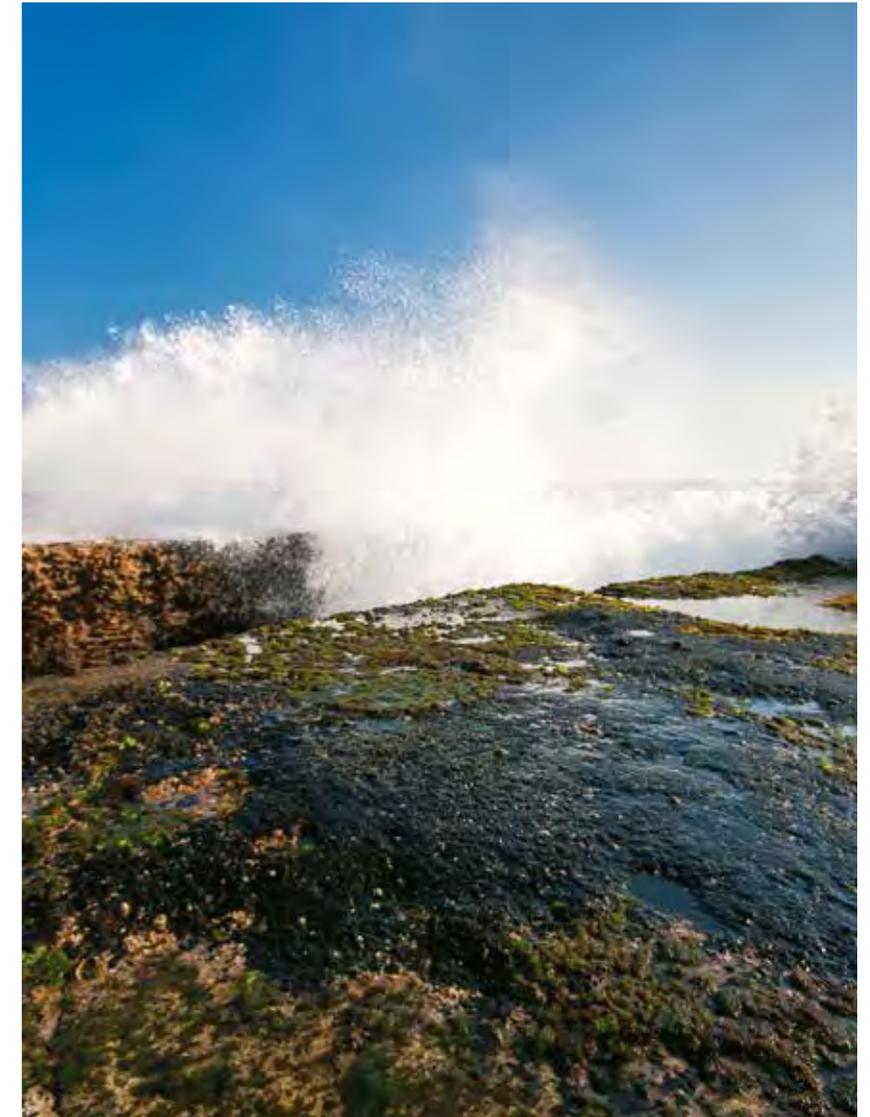
## CAREERS/FURTHER STUDY

Studying for an MEng degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

All major infrastructure developments require environmental assessment for their design and construction. Expertise in environmental assessment and Civil Engineering is therefore in demand. Graduates from this degree are ideally suited to this role, and can expect to find employment in the expanding areas of environmental management and regulation.

Although the majority of our graduates pursue careers in environmental and civil engineering, significant numbers develop careers in a wide range of other sectors, eg management consultancy, accountancy, fast-stream Civil Service, varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK).

We regularly consult with and develop links with a large number of local, national and international employers, some of whom provide sponsorship through the national QUEST Scholarship Scheme. Queen's is among the top universities in the number of scholarships gained. We also have a Civil Engineering Advisory Panel, which includes members from the major employer sectors and which forms the benchmark for the UK Civil Engineering Accrediting body, the Joint Board of Moderators.



## Further Study

Further study is also an option – graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr D Phillips  
School of Natural and Built Environment

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t: +44 (0)28 9097 4006  
w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)

# ENVIRONMENTAL MANAGEMENT

The growing changes affecting the natural environment, and the increasing role of environmental policies affecting businesses and organisations are creating new and challenging career opportunities for those familiar with issues of sustainable development, planning and environmental protection and management.

## COURSE CONTENT

The BSc in Environmental Management explores the physical, social, economic and cultural aspects of environmental management.

Students will be enabled to understand:

- Issues of sustainable development, conservation and environmental protection and management
- The integrated and holistic nature of environmental management.
- Devising, managing and critically evaluating project work

The modules are:

### Stage 1

- Contemporary Issues in Urban and Rural Planning
- Dynamic Earth
- Environmental Change: Past, Present and Future
- Environmental Management
- Planning, Health and Well Being
- Processes and Principles of Physical Geography

### Stage 2

- Environmental Assessment
- Research Design and Professional Development
- Introduction to Environmental Economics
- Landscapes and Geographical Information Systems
- One of the following:
  - Planning Theory and Society
  - Sustaining the Biosphere

### Work Placement

- Environmental Management students will complete an optional 16-week degree-related work placement
- Environmental Management with Professional Studies students will complete a one year, degree related work placement

### Stage 3

- Business Innovation and Entrepreneurship
- Policies for Environmental Sustainability
- Environmental Management Dissertation
- Spaces of Urbanisation in Emerging Economies and Sustainable Development

One of the following:

- Climate Change: Science, Scenarios and Impacts
- Infrastructure and Transportation Planning

## BSc Honours

Environmental Management 3 yrs (F850)

Environmental Management with Professional Studies 4-yr SW (F854)

## Entrance Requirements

### A-level:

BBB including at least two from Biology, Economics and Geography + GCSE Mathematics grade C

OR

ABB + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit + GCSE Mathematics grade C

OR

Any BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit + GCSE Mathematics grade C.

### All applicants:

Certain modules will require GCSE Mathematics grade B.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Degree Accreditation

The Environmental Management degrees at Queen's are accredited by the Royal Institution of Chartered Surveyors (RICS).

### Work Placement

Compulsory work placements on these programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

### Multidisciplinary

This is a unique interdisciplinary course shared between two Schools – Biological Sciences and Natural and Built Environment.

### Interactive Teaching

The course includes 'Dragons' Den' presentations to external experts in the final year for the module Business Innovation and Entrepreneurship. Planning and Geography modules host guest lectures from business practitioners. Site visits are an important component of many modules, including Environmental Management, Environmental Assessment, Policies for Environmental Sustainability, Dynamic Earth and Environmental Change.

## CAREERS/FURTHER STUDY

Careers are diverse, not only in the rural and land use industries and government services, but also in private sector industries, financial institutions and agribusiness concerns of various kinds.

Graduates will have a knowledge of the natural environment, be able to demonstrate familiarity with sustainable development, conservation and environmental protection issues, as well as an understanding of the integrated and holistic nature of land use and environmental management.

Possible careers include environmental management (private and public sectors) and include consultancy and environmental impact assessment with environmental organisations (eg RSPB, WWF). Graduates can become Chartered Surveyors. Opportunities also exist within the full range of occupations associated with graduate employment.

## Employment after the Course

Students who graduate from the Environmental Management programmes have primarily embraced careers in the following areas: environmental management; environmental consultancy; environmental conservation; environmental surveying.

Graduates from this course have found employment in several organisations, including:

- Action Renewables
- The Consumer Council
- DAERA
- Ecologia
- Environment Agency
- Nestlé
- RecyCo Waste Management
- RSPB

### Further Study

Graduates from this course have continued into further education, studying MSc programmes in Ecological Management and Conservation Biology; Leadership for Sustainable (Rural) Development, and PhD programmes in Ecosystem Biology and Sustainability.

“As part of my degree in Environmental Management, I was offered a one-year placement with RPS, a leading multidisciplinary engineering and environmental consultancy. During this time I worked on important projects and gained practical skills in report writing, Environmental Impact Assessment (EIA), field surveys and Geographical Information Systems (GIS). Following completion of my undergraduate degree I was offered a full-time position as a Graduate Scientist with RPS Group, before being promoted to Senior Scientist.”

Francis Mackin, Environmental Management Graduate



**Entrance requirement**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
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School of Biological Sciences

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w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# EUROPEAN PLANNING

This MPlan is a unique degree, offering a complete four-year pathway in professional planning education, with a specialisation in European Planning. Innovative features include an emphasis on understanding European-wide planning issues, and overseas study at a European university, which will include opportunities for work placement. This provides unique insights into the diversity of planning cultures and challenges across the continent, allowing graduates to grasp a wide range of employment opportunities in the UK, Europe and beyond.

## COURSE CONTENT

The first two years are shared with the BSc in Planning, Environment and Development degree and students will be eligible to transfer from one degree to the other at the end of the second year. In the third year, MPlan students begin to concentrate on aspects of European planning, including specialised language training.

The degree includes fieldwork in Stages 1–3, including field studies in Europe during Stage 3 (recent destinations have included Amsterdam, Barcelona and Krakow). The fourth year is spent at a partner university in Europe. We currently have partners in Sweden, the Netherlands and Germany, and new partners are always added.

### Stage 1

- Planning, Health and Well Being
- Planning Skills and GIS
- Design Principles in the Built Environment
- Spaces, Places and Plans
- Contemporary Issues in Urban and Rural Planning
- Institutional Context of Planning Practice

### Stage 2

- Site Layout and Design
- Theory and Practice of Development Management
- Planning Theory and Society
- Planning and Climate Change
- Economy and Space
- Theory and Practice of Spatial Planning Policy

### Stage 3

- Planning Practice Field Study
- Comparative Planning Studies
- Themes in European Planning
- Legal Studies in Planning
- European Planning Perspectives
- Researching European Planning
- Infrastructure and Transportation Planning
- Conservation of the Built Environment

### Stage 4

- Advanced European Planning Studies (i)
- Advanced European Planning Studies (ii)
- Independent Research Project in European Planning
- Work-based Study in European Planning Practice

## WHY QUEEN'S?

**Unique:** this degree is unique in the UK in that it offers a four-year combined programme in Planning, linked to specialisation in European Planning.

**Ranking:** Planning at Queen's is ranked 5th in the UK in the Times and Sunday Times Good University Guide 2018 and 4th in the Guardian University Guide 2018.

**Accreditation:** this degree is accredited by both the Royal Institution of Chartered Surveyors (RICS) and the Royal Town Planning Institute (RTPI).

**Placement:** Students have the opportunity to gain work experience in another European country in the fourth year as part of the Erasmus programme. This provides a unique opportunity to develop strong relationships with internationally renowned planning offices and consultancy companies and provides participating students with skills that are rarely developed by other planning courses.

## MPlan Honours

European Planning 4 yrs (K490)

See also BSc in Planning, Environment and Development

## Entrance Requirements

### A-level:

ABB + GCSE Mathematics grade C

### BTEC Extended Diploma:

A BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit + GCSE Mathematics grade C

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

This degree builds on the University's established reputation for high-quality planning education. On past experience of the BSc in Planning, Environment and Development and the MPlan's, we anticipate that graduates will find employment in areas such as:

- Planning authorities and municipalities
- Private planning practice/property development
- Design consultants
- Housing authorities and agencies, such as housing associations
- Health trusts
- Policy advisers in planning, urban regeneration and the environment, particularly at the level of the EU
- Conservation and environmental NGOs
- Teaching (particularly geography)
- Public bodies, such as advisory bodies on the environment, heritage, transport and heritage
- Various graduate programmes (including banking and management)
- Further study (PhD) and research positions

We regularly consult with employers, links which are further enhanced through formal partnership meetings with the bodies that accredit our courses (RICS and RTPI), having a practising planner as one of our External Examiners, and involving a wide range of potential employers in student projects and regular careers events.



“This MPlan offered the chance to study and live in Stockholm and opened the door to working abroad after graduation. If you are interested in understanding first-hand the dynamics of sustainable European cities and would like the opportunity to study abroad for a year, then this is the course for you.”

Lucia Devon, Bangor, Northern Ireland  
3rd Year, MPlan European Planning

**94% of Planning students at Queen's are satisfied with their course, ranking us joint 3rd in the UK.**

(National Student Survey 2017)

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Wesley Flannery  
School of Natural and Built Environment

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w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)

# FILM AND THEATRE MAKING

The BA in Film and Theatre Making combines the strengths of Queen's highly regarded Film (ranked 12th in the Guardian University Guide 2018) and Drama departments, offering students a unique opportunity to study the intricacies of production practice in both film and theatre. Over the three years of the programme, students will learn the basics of directing and acting, along with technical and production elements for both stage and screen.

## COURSE CONTENT

In each year, students will integrate practical learning with historical and theoretical modules that encourage them to take lessons from the history of theatre and film to create new, exciting and innovative work. A typical student pathway might include:

### Level 1

- Practical Theatre 1
- Introduction to Film Practice
- Performance Analysis
- Introduction to Film Studies 1
- Film Editing

### Level 2

- Practical Theatre 2
- American Drama
- Cinematography
- Experimental Practice
- Hollywood Cinema 1

### Level 3

- Advanced Film Practice 1
- Advanced Film Practice 2
- Dance Theatre
- Theory and Practice of Adaptation
- Contemporary Cinema

## WHY QUEEN'S?

### Industry Links

This programme features close links to the Lyric Theatre Belfast, Film NI and the BBC.

### World-Class Facilities

Students make use of Queen's state-of-the-art Film Studio, the QFT with two digital cinemas, the 120-seat Brian Friel Theatre (with full lighting and sound facilities) and studio rehearsal space.

### Internationally-Renowned Experts

The programme features world-leading experts in Documentary Film, British Film and Drama, Irish Drama, Shakespeare, Dance, etc.

### Student Experience

Extracurricular performance opportunities are offered by the Tyrone Guthrie Society and the student Drama Society, which have taken productions to student festivals in Ireland and the UK as well as to the Edinburgh Fringe Festival and to festivals in Belgium and Italy.

## CAREERS/FURTHER STUDY

With its practical and professional components, study in Theatre and Film at Queen's provides an excellent background for work in film, television, on the stage, and in the creative industries. Our graduates have progressed to a range of entertainment and media-based careers.

Positions obtained by recent graduates of Film and Drama at Queen's include:

- Researcher at BBC NI
- Production Trainee at BBC
- Professional actors and directors for the stage
- On-set VFX Supervisor for HBO (Game of Thrones)
- Camera Department for HBO (Game of Thrones)
- Festival Director at Belfast Film Festival
- Editor at Fifty Fifty Productions, London

### BA Honours

Film and Theatre Making 3 yrs (WW65)

See also Drama, and Film Studies and Production

### Entrance Requirements

#### A-level:

ABB

#### All applicants:

There are no specific subject requirements to study Film and Theatre Making.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Queen's Film Studies has a 96 per cent student satisfaction rate, ranked 2nd in the UK.**

(National Student Survey 2017)

Other popular graduate career routes include education and training, arts administration, public relations, marketing and postgraduate study.

### Further Study

Further study, including Master's programmes, is also an option; see the School website for further information.

"The drama department offers an excellent programme of study that finely balances practice and theory, giving students adequate freedom to tailor the options according to their strengths, preferences or interests. Along with a strong support network of staff, the opportunities to establish links with theatre practitioners serves only to enrich the experience of studying drama at Queen's."

Kevin McCluskey, BA, MA, PhD in Drama

"Drama at Queen's takes pride in offering students a complete education in all aspects of theatre and drama, practical, theoretical, and historical. Students learn from world-class staff in top-notch facilities in an atmosphere designed to foster intellectual inquiry and personal growth. We offer tutorials with professional theatre practitioners and links to most of the major theatres in Belfast."

Dr Kurt Taroff, Lecturer in Drama



**Queen's is unique among Russell Group institutions in offering a pathway in Film and Theatre Making, allowing the best and brightest students to focus on practical skills in both disciplines.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

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w: [qub.ac.uk/ae/](http://qub.ac.uk/ae/)

# FILM STUDIES AND PRODUCTION

The Film Studies and Production degree aims to introduce students to the widest possible experience of filmmaking and film culture through the integration of film production and critical thinking. Film degrees at Queen's were ranked 12th in the 2018 Guardian League Tables.

## COURSE CONTENT

The BA in Film Studies and Production is taught through an equal mix of hands-on film production modules and critical film studies modules, with increasing flexibility at Levels 2 and 3. The modules will typically include:

### Year 1

- Introduction to Film Studies 1\*
- Introduction to Film Practice\*
- Editing for Film and Television\*
- Introduction to Film Studies 2\*
- Visual Studies: Theory and Practice

Level 1 students also have the opportunity to take one or two approved modules in other subject areas.

### Year 2

#### Compulsory

- Cinematography and/or
- Screenwriting

#### Optional

- Experimental Practice
- Hollywood Cinema 1
- World Cinemas
- Film Authorship
- Cinema and Modernism
- Documentary Film
- British Cinema: Nation, Identity and Industry
- Screen Industries in Europe
- Introduction to Arts Management

### Year 3

- Advanced Film Practice 1\*
- Advanced Film Practice 2\*
- Work Placement
- Dissertation
- Film and Music
- Cinema and Postmodernism
- British Film and Cinema: Decades and Debates
- Contemporary Cinema
- Hollywood Cinema 2

\*Indicates compulsory module

## WHY QUEEN'S?

### Industry Links

Northern Ireland has one of the fastest growing creative industry sectors in the UK economy. Film production teaching is regularly carried out and supervised by tutors who are actively involved in the film and media industry, providing invaluable opportunities to learn first-hand from film and media professionals.

Film at Queen's has links with a range of independent and community-based film and media production companies (including Stirling Film and Television Productions, Double Band, Northern Visions, Green Inc.); as well as BBC (NI), UTV, the Belfast Film Festival, Film Devour Short Film Festival; Respect Human Rights Film Festival, and the Prison Memory Archive (PMA).

### Global Opportunities

You will have the opportunity to apply to study abroad for a semester through student exchange on this degree in Europe or North America. The School has links with a number of international institutions including Universiteit Utrecht and University of Groningen.

## BA Honours

Film Studies and Production 3 yrs (W600)

See also Film and Theatre Making

## Entrance Requirements

### A-level:

BBB

### All applicants:

There are no specific subject requirements to study Film Studies and Production.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Queen's Film Studies has a 96 per cent student satisfaction rate, ranked joint 2nd in the UK.**

(National Student Survey 2017)

## World-Class Facilities

Our Film degrees use cutting-edge digital production facilities; we have both offline and online editing suites, with software such as Avid Media Composer, DaVinci Resolve, Nuke for VFX Compositing, Fusion and Pro Tools. Full high-definition cameras are available, as are substantial lighting and grip kits for location work. Practical classes are held in a dedicated Film Studio with full broadcast-quality LED lighting using electrically-controlled hoists and green screen.

## Student Experience

We are an Authorised Avid Learning Partner for Pro Tools and Avid Media Composer, offering certified industry-approved training integrated into the degree.

## Placement

Film at Queen's has built up extensive industry partnerships with local film production companies, which have been experiencing significant growth in recent years. Industry placement forms an important component of the Single Honours degree at Level 3.

## CAREERS/FURTHER STUDY

Film, with its practice and professional components, provides an excellent background for work in film, television and other media and creative industries. A degree in Film Studies can lead to a wide range of careers in education, training and arts administration as well as postgraduate study.

Our graduates include:

- Claire Campbell (Researcher, BBC NI)
- Daniel McCabe (Production Trainee, BBC)
- Niall McEvoy (on set VFX supervisor, HBO, Game of Thrones)
- Grace Sweeney (Camera Department, HBO, Game of Thrones)
- Michele Devlin (Director of The Belfast Film Festival)

Further study at Master's and doctoral level is also an option; see the School website for further information on the MA in Film, and the Film PhD programmes (including practice-based research)



"I would recommend the course to anyone aiming towards a career in the creative industries, as well as anyone looking to learn from highly-experienced staff."

Daniel McCabe,  
Ballynahinch, Northern Ireland  
BA Film Studies Graduate (2011)  
Currently Sound Trainee at HBO  
(Game of Thrones)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
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# FINANCE

Finance is about making and managing money. It can involve investing in the stock market, trading in currencies and derivatives, or making lending decisions in banks. Students who study the BSc Finance degree at Queen's will gain the skills and knowledge that are needed to succeed in the financial industry. Integral to the BSc Finance programme is the placement year with a financial institution. A dedicated placement team ensures that students are well prepared for placement and obtain positions which are of the highest quality.

## COURSE CONTENT

Six modules are taken in each of Years 1, 2 and 4. In Year 3, students undertake a salaried placement in a financial environment for a minimum of nine months.

### Stage 1

- Financial Reporting and Analysis
- Instruments, Markets and Institutions
- Price Theory
- Mathematics for Finance
- Principles of Economics
- Statistical Methods

### Stage 2

- Behavioural Finance
- Introductory Econometrics
- Investment Analysis
- Futures and Options
- Monetary Theory
- Excel and VBA

### Stage 3

Placement (internship with a financial organisation)

### Stage 4

- Capital Markets
- Corporate Finance
- Financial Econometrics
- Financial Engineering
- Fixed Income Instruments
- International Finance

## WHY QUEEN'S?

### Professional Recognition

The BSc Finance at Queen's has been accepted into the Chartered Financial Analysts (CFA) University Affiliation Program.

### Placements

During the third year of the degree, students complete a nine to 12-month placement within a financial institution. These placements are usually in Belfast, Dublin, Glasgow or London. Example placements include Morgan Stanley, Goldman Sachs, Bank of England and KPMG. The placement year provides students with excellent experience and connections, and gives students a competitive edge when seeking graduate employment.

### World-Class Facilities

You will have access to Bloomberg terminals in the FinTrU Trading Room, giving students the skills, experience and knowledge necessary to prepare them for a career in the financial services sector.

### Student Experience

Students can take part in the Queen's Student Managed Fund, which gives participants the opportunity to invest real money and manage the risk of their portfolios. Students rate the course very highly, giving a student satisfaction rate of 91 per cent in the most recent National Student Survey (2017).

### Prizes and Awards

Top-performing students are regularly awarded prizes and scholarships from leading financial companies, eg Morgan Stanley, KPMG, Ulster Bank and Citi.

## BSc Honours

Finance 4-yr SW (N300)

See also Economics, Business Economics and Accounting

## Entrance Requirements

### A-level:

ABB including Mathematics

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

This programme closely reflects the real-world finance and investment environment and focuses on the applied skills that employers look for.

We regularly consult and develop links with a large number of employers including all the major finance employers in Northern Ireland, Republic of Ireland and Britain. We host annual employer liaison meetings for the course as well as annual finance careers fairs at which students can engage with a range of employers on a one-to-one basis.

Students are also offered exposure to experts from the London financial markets, who share their industry knowledge and advice.

### Graduate Careers and Achievements

Our graduates find employment in investment banks, corporate banks, building societies, insurance houses, stockbrokers, investment banks, accountancy and actuarial

firms, specialist financial and private equity companies as well as in the finance functions of more general companies.

Typical career destinations of graduates include:

- Financial Analysts (in bonds, equities and derivative products)
- Fund Managers
- Treasurers
- Financial Planners
- Wealth Managers
- Accountants
- Financial Economists
- Forecasters
- Corporate Lenders

Recent graduate employers have included: Allstate; Bank of Ireland; Citi Group; Delta Index; Energia; Ernst & Young; First Derivatives; Goldman Sachs; HSBC; Kerr Henderson; KPMG; Mercer Plc; Morgan Stanley; Nationwide Building Society; Nomura Bank; Oxford Economics; PIMCO; PwC; Setanta Asset Management.

## Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

"I think it's great that Finance students have access to Bloomberg terminals from first year: it is a big advantage over other finance degrees. The placement year is also an invaluable opportunity to develop professional skills, work out your career path, and secure graduate job offers going into final year."

Kerri Cassidy, BSc Finance



**QUEEN'S IS RANKED 7TH IN THE UK FOR ACCOUNTING AND FINANCE**  
(Times and Sunday Times Good University Guide 2018)

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

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Queen's Management School

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w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)



# FOOD QUALITY, SAFETY AND NUTRITION

This degree programme is about gaining the knowledge and understanding of three key areas in relation to food production and consumption.

- **Food Quality** concerns the ‘fitness for purpose’ of our food in terms of appearance (eg colour and surface qualities, texture, flavour and odour) and how these can be improved.
- **Food Safety** considers the physical, microbiological and chemical aspects of our food, which may be harmful to human health, and how these can be minimised.
- **Nutrition** concerns the nutrient supply from foods necessary to support the human body in health and during ill health throughout all life stages.

These degrees emphasise the inter-relationship between these areas and their equal importance in food production.

## COURSE CONTENT

The subjects studied on this course are wide ranging and include; Food (Biochemistry, Chemistry, Commodities, Hygiene, Marketing, Microbiology, Policy, Processing, Product Development, Psychology, Quality And Safety), Fundamental and Clinical Nutrition, Human Physiology, Diet and Health, as well as Business Innovation and Entrepreneurship.

The modules are:

### Stage 1

- Chemistry and Composition of Foods
- Fundamentals of Nutrition and Food Policy
- The World of Microorganisms

### Stage 2

- Food Commodities, Processing and Hygiene
- Food Choice, Diet and Health
- Principles of Food Quality
- Instrumental Food Analysis

### Work Placement

- Food Quality, Safety and Nutrition students can complete an optional 16-week degree-related work placement
- Food Quality, Safety and Nutrition with Professional Studies students will complete a one-year, degree-related work placement.

### Stage 3

- Business Innovation and Entrepreneurship
- Clinical Nutrition
- Food Product Development
- Food Supply Chain Safety and Security
- Research Project (BSc students only)

### Stage 4 (MSci students only)

- Research Project

## WHY QUEEN'S?

### Prizes and Awards

All students undertake the Level 3 Award in Food Safety Supervision for Manufacturing as part of the module Food Commodities, Processing and Hygiene.

Yakult provides prizes for the best overall final year student and the best Honours project in final year. Safe Food also provides a prize for the best essay in the final year module ‘Food Supply Chain Safety and Security’.

### Work Placement

Work placements on these programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

### BSc Honours

Food Quality, Safety and Nutrition 3 yrs (DB6K)

Food Quality, Safety and Nutrition with Professional Studies 4-yr SW (BDK6)

### MSci Honour

Food Quality, Safety and Nutrition 4 yrs (DB64)

Food Quality, Safety and Nutrition with Professional Studies 5-yr SW (BD46)

See also Food Science and Food Security

## Entrance Requirements

### BSc

#### A-level:

BBB including Biology and Chemistry + GCSE Mathematics grade C

OR

BBB including Biology and either Home Economics or Nutrition and Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Chemistry and either Home Economics or Nutrition and Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

ABB including Biology or Chemistry or Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant Food/Science BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### MSci

#### A-level:

AAB including Biology and Chemistry + GCSE Mathematics grade C

OR

AAB including Biology and either Home Economics or Nutrition and Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Chemistry and either Home Economics or Nutrition and Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology or Chemistry or Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant Food/Science BTEC Extended Diploma with 140 credits at Distinction and 40 credits at Merit + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for entry to the MSci, both at initial offermaking stage and when results are received.

**Option to Transfer:** transfers between BSc and MSci may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

For many students this is the most important aspect of the degree, enabling them to experience the types of jobs which are available on graduation and through the preparation of CVs, interviews, etc, ensuring they are well prepared for the job market.

Our past students have gained work placement with organisations such as: Sainsbury's, Marks & Spencer, Kerry Group, Kraft Foods, Moy Park, Tayto, Ulster Cancer Foundation, hospital trusts and many more.

### Flexibility

The unique flexible design of these degrees enables transfer to the MSci Food Science and Food Security degree up until the end of Stage 2 (provided students meet the necessary requirements).

## CAREERS/FURTHER STUDY

Studying for a Food Quality, Safety and Nutrition degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Although the majority of our graduates are interested in pursuing careers in the food industry or health promotion, some develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Food industry – graduate recruitment schemes
- Food industry – new product development
- Food industry – technical areas
- Food industry – quality management
- Charities – health promotion
- Nutrition – assistant dietician in a hospital trust
- Teaching – home economics [PGCE needed]
- Research – industry research association
- Research – PhD studies

### Employer Links

We regularly consult and develop links with a large number of employers including all those who provide work placement opportunities. These range from multinationals such as Moy Park and Sainsbury's to local companies such as Irwin's and Tayto.

Many companies provide support for the course and students through repeatedly offering 16-week work placements. A number of such placements lead to employment for the students when they graduate.



“When I came to Queen's I was intrigued to learn more about Food Quality as I had an interest in working in the area of food, particularly within the area of Nutrition. I would really recommend this course at Queen's as it has given me the opportunity to learn so much. I'm now employed by a local food producer and I'm able to put the knowledge from my course into practice.”

Geraldine Renaghan,  
Food Quality, Safety and Nutrition  
with Professional Studies Graduate  
Food Quality Coordinator – Suki TEA

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Lisa Connolly  
Programme Co-ordinator  
School of Biological Sciences

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t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# FOOD SCIENCE AND FOOD SECURITY

Globally we face huge and growing challenges to supply the world's population with adequate safe and nutritious food. Food scientists will play a crucial role in addressing global food insecurity.

This unique Food Science qualification combines BSc and Master's-level study and allows students to develop their subject to a high level, experiencing cutting-edge technologies involved in food research.

The subject is underpinned by a scientific understanding of food, such as its properties and composition, production and manufacture, testing and regulation, interaction with the human body, and the current and future challenges for its safety and supply.

## COURSE CONTENT

The overall vision is to provide a dynamic learning environment committed to excellence in teaching and research, that contributes to national and global efforts, to provide the world's growing population with a sustainable, safe and secure supply of high-quality food.

In doing so Queen's seeks to prepare internationally-recognised graduates for leading roles in the production and supply of safe and nutritious food.

The modules are:

### Stage 1

- Chemistry and Composition of Foods
- Fundamentals of Nutrition and Food Policy
- The World of Microorganisms

### Stage 2

- Food Commodities, Processing and Hygiene
- Food Choice, Diet and Health
- Principles of Food Quality

### Work Placement

- Food Science and Food Security students complete a 16-week degree-related work placement
- Food Science and Food Security with Professional Studies students will complete a one-year, degree-related work placement

### Stage 3

- Business Innovation and Entrepreneurship
- Global Issues in Agriculture
- Food Product Development
- Food Supply Chain Safety and Security
- Honours Project

### Stage 4

- Agri Food Traceability and Fraud
- Food Safety Health and Disease
- Advanced Food Bioanalysis
- MSci Research Project

## MSci

Honours Food Science and Food Security 4 yrs (D990)

Food Science and Food Security with Professional Studies 5-yr SW (D991)

See also Food Safety, Quality and Nutrition

## Entrance Requirements

### A-level:

AAB including Biology and Chemistry + GCSE Mathematics grade C

OR

AAB including Biology and either Home Economics or Nutrition and Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Chemistry and either Home Economics or Nutrition and Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology or Chemistry or Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant Food/Science BTEC Extended Diploma with 140 credits at Distinction and 40 credits at Merit + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the BSc Food Quality, Safety and Nutrition degree if they are not eligible for entry to the MSci, both at initial offermaking stage and when results are received.

**Option to Transfer:** transfers between BSc Food Quality, Safety and Nutrition and MSci may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Work Placement

Work placements on these programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

Our past students have also gained work placement with organisations such as Sainsbury's, Marks & Spencer, Kerry Group, Kraft Foods, Moy Park, Tayto, Ulster Cancer Foundation, hospital trusts and many more.

### Experience

The degree also offers opportunities for additional laboratory training and experience, for example summer scholarships.

### Flexibility

The unique flexible design of these degrees enables transfer to the BSc Food Quality, Safety and Nutrition degrees up until the end of Stage 2.

### Convenience

This tailored degree is shorter than studying for BSc and Master's degrees separately, and students are able to finance their postgraduate-level studies within existing student finance arrangements.

## The Institute for Global Food Security

This programme is linked to the Institute for Global Food Security at Queen's and students may complete their project work at the Institute. Known globally for their world-renowned research, the Institute was at the forefront of uncovering and understanding the horsemeat scandal in the UK.

## CAREERS/FURTHER STUDY

Nationally and internationally there is a shortage of food science graduates with higher level research skills and technical expertise. These degrees are designed to produce graduates ideally suited to high-level careers in research, R&D, industry, education, and also for PhD study.

Although the majority of our graduates are interested in pursuing careers in the food industry or health promotion, some develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Food industry – graduate recruitment schemes
- Food industry – new product development
- Food industry – food technologist

- Food industry – quality management
- Charities – health promotion
- Nutrition – assistant dietician in a hospital trust
- Teaching – home economics (PGCE needed)
- Research – industry research association
- Research – PhD studies

## Employer Links

We regularly consult and develop links with a large number of employers including all those who provide work placement opportunities. These range from multinationals such as Moy Park and Sainsbury's to many local companies such as Irwin's and Tayto.

**Queen's Food Science is ranked 5th in the UK (Times and Sunday Times Good University Guide 2018). This unique Food Science qualification combines BSc and Master's-level study and allows students to develop their subject to a high level, experiencing cutting-edge technologies involved in food research. The degree also offers opportunities for additional laboratory training and experience, for example summer scholarships.**

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
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Programme Co-ordinator  
School of Biological Sciences /  
Institute for Global Food Security

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T: +44 (0)28 9097 5786  
W: [qub.ac.uk/bb](http://qub.ac.uk/bb)  
and [qub.ac.uk/igfs](http://qub.ac.uk/igfs)



# FRENCH STUDIES

French at Queen's reflects the dynamism and cultural diversity of the French-speaking world, focusing on the language, culture and society of metropolitan France, and opening up perspectives on a range of global cultures. French language, written and oral, is at the centre of the course. Students will also explore a variety of contemporary issues, historical periods and geographical areas through a range of media, including art, cinema, linguistics and literature. All students spend an academic year in a Francophone country.

## COURSE CONTENT

### Level 1

#### Core Modules

- French Language 1
- OR
- Intermediate French 1
- OR
- Beginners' French 1
- Introduction to French Studies 1
- Introduction to French Studies 2
- 5th module to be chosen from agreed list
- 6th module to be chosen from agreed list

### Level 2

#### Core Module

- French Language 2

#### Optional Modules

- Myth and Biography in Recent French Fiction
- French Noir
- Linguistic Variation in French
- Modern Autobiography
- Sociolinguistics

### Level 3

#### Core Module

- French Studies 3

#### Optional Modules

- Modernism(s)
- Ambition and Desire: The Nineteenth Century French Novel
- Romance and Realism in Media Cultures
- Contemporary Francophone Chinese Fiction
- Caribbean Cultures
- The Structure of Modern French

## WHY QUEEN'S?

### Global Opportunities

Students taking a BA in French undertake an extended period of residence abroad (typically eight months), normally working as an assistant in a school or undertaking a paid work placement in a French-speaking country (options include France, but also, for example, Canada, Martinique and Réunion). Students can also elect to study at a French-speaking university. In addition to the benefits for oral competence, the residence provides a unique opportunity for immersion in French and Francophone culture. Moreover, the Year Abroad is a significant learning and employability enhancement opportunity. This feature of our degree programme gives students the opportunity for personal development, and further develops communication and language skills and intercultural awareness. The challenges of living abroad are a unique (and unforgettable) stage in your personal development.

### World-Class Facilities

Queen's has an excellent library with an outstanding range of resources in French and Francophone cultures. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

### Internationally Renowned Experts

French at Queen's is taught by world-leading experts in nineteenth and twentieth-century French and Francophone culture, with particular expertise in visual culture, linguistics, popular culture, medical humanities and postcolonial writing. Research in Languages at Queen's was ranked 3rd in the UK in the most recent Research Assessment (Times Higher Education rankings based on REF 2014).

### BA Single Honours

French 4 yrs (R120)

### BA Joint Honours

Anthropology and French 4 yrs (RL16)

English and French 4 yrs (QR31)

French and History 4 yrs (RV11)

French and International Studies 4 yrs (RLC2)

French and Irish 4 yrs (QR51)

French and Politics 4 yrs (RL12)

French and Portuguese 4 yrs (RR15)

French and Spanish 4 yrs (RR14) (see page 196)

French may also be studied as part of the following degrees (see separate entries):

Archaeology with French (BA Hons) 4 yrs (V4R1)

Accounting with French (BSc Hons) 4 yrs (N4R1)

Chemistry with French (MSci Hons) 5 yrs (FR11)

Common and Civil Law with French (LLB Hons) 4 yrs (M2R1)

Economics with French (BSc Hons) 4 yrs (L1R1)

International Business with French (BSc Hons) 4 yrs (N1R1)

### Entrance Requirements

#### Post-A-level:

ABB including A-level French.

**Note:** for applicants who have not studied A-level French then AS-level French grade B would be acceptable in lieu of A-level French.

#### Beginners' level:

ABB + GCSE French grade B or evidence of linguistic ability in another language.

**Note:** the Beginners' option is not available to those who have studied A-level or AS-level French.

#### All applicants:

If you plan to study French as a Joint Honours degree or as part of a BSc/ LLB/ MSci degree you should refer to the subject requirements for the other course.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Student Experience

Students run a lively French Society and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

## Prizes and Awards

There are a number of undergraduate prizes available to top-performing students on this pathway. In addition to Foundation Scholarships recognising outstanding achievement in Level 1, we have a range of endowed prizes. The AN Troughton Award and The Samuel and Sarah Ferguson Travel Prize recognise academic achievement at Levels 1 and 2. The Chris Shorley Prize rewards the best performances in the Language exam in Level 3, and the Richard Bales Prize is awarded to the student with the highest mark in an optional module in Level 3. Students of both languages receive a certificate of distinction for first class performance in the Level 3 oral.

## CAREERS/FURTHER STUDY

Typical careers pursued by our graduates include business, media and communications, marketing, advertising, publishing, education/teaching, translation/interpreting, PR, journalism, tourism, Fast Stream Civil Service, and banking. Graduates are particularly in demand in careers requiring a high level of communication and presentation skills, as well as strong critical and analytical thinking.

Eighty-eight per cent of our graduates are in employment or further study within six months of graduation. Starting salaries are in the region of £21,800. They are employed in a range of organisations, from the BBC and UTV to the Civil Service, from the Irish News to the European Parliament, and including a very wide range of local, national and international companies.

### Employer Links – Consultations

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council.

### Placement Employers

Our past students have also gained work placements with organisations such as the British Council Assistantships Programme.

### Further Study

Further study is also an option open to French graduates. Students can continue to our MRes programme, which will be tailored to a student's particular interests, and will

involve a combination of guided study and independent research. It is a research preparation degree, allowing students to explore in depth a topic of their choice. It is an ideal preparation for PhD research. Other postgraduate programmes of possible interest for graduates of French include the MA in Arts Management and the MA in Translation.

“As part of the BA in French, you learn skills that are invaluable in the workplace. Writing and delivering presentations; building working relationships and teaching classes in a foreign country; organising events; working to set deadlines and using critical analysis – all experiences and abilities I have carried with me into employment.”

Robert Ainley, BA French (2009)  
Assistant producer, UTV



“I have thoroughly enjoyed my experience here at Queen's. I have found my course to be both stimulating and enjoyable and the facilities really are second to none. The standard of teaching is first class and the support available to students is excellent. I would definitely recommend Queen's to anyone.”

Maoliosa McGarry, Level 3 student

**Modern Languages and Linguistics at Queen's were ranked 5th in the UK (Times Higher Education rankings based on REF 2014). French at Queen's is ranked 14th in UK (Times and Sunday Times Good University Guide 2018) and 17th in the Complete University Guide 2018. Modern Languages at Queen's are ranked in the top 200 in the world (QS World Rankings by Subject 2017).**

# FRENCH AND SPANISH

The emphasis in the BA in French and Spanish is on linguistic proficiency and inter-cultural awareness; language and identity are central to the programme. You will be critically reflecting on a variety of contemporary issues, historical periods and geographical areas (France and Spain, but also for example Latin America and the Francophone Caribbean), explored through a range of media including art, cinema, linguistics and literature. The degree includes residency (average eight months) in a Francophone or a Spanish-speaking country.

## COURSE CONTENT

### Level 1

In French, students must take TWO modules at Level 1 – students must take the core and one optional which can be taken either semester. In Spanish, students must also take TWO modules at Level 1 – students must take the core and one optional which can be taken either semester.

#### Core Modules

- French 1
- OR
- Intermediate French
- OR
- French for Beginners
- Spanish 1
- OR
- Intermediate Spanish
- OR
- Spanish for Beginners

#### Optional Modules

- Introduction to French Studies 1
- Introduction to French Studies 2
- Introduction to Iberian Studies
- Introduction to Latin American Studies

### Level 2

In French, students must take TWO modules at Level 2 – students must take the core and one optional which can be taken either semester. In Spanish, students must also take TWO modules at Level 2 – students must take the core and one optional which can be taken either semester.

#### Core Modules

- French 2
- Spanish 2

#### Optional Modules

- Myth and Biography in Recent French Fiction
- French Noir
- Linguistic Variation in French
- Modern Autobiography
- Issues and Cultures of the US-Mexico borderlands
- Afterlives: Rogues and Mystics of the Spanish Golden Age
- Spanish Memoirs and Autobiographies
- The Fantastic in Latin America

#### Year Abroad Modules

Either

- Working and Studying Abroad (French)
- International Placement: Languages Year Abroad (French)

OR

- Working and Studying Abroad (Spanish)
- International Placement: Languages Year Abroad (Spanish)

### Level 3

In French, students must take TWO modules at Level 3 – students must take the core and one optional which can be taken either semester. In Spanish, students must also take TWO modules at Level 3 – students must take the core and one optional which can be taken either semester.

#### Core Modules

- French 3
- Spanish 3

#### Optional Modules

- Modernism(s)
- Ambition and Desire: The Nineteenth Century French Novel
- Romance and Realism in Media Cultures
- Contemporary Francophone Chinese Fiction
- Caribbean Cultures

## BA Joint Honours

French and Spanish 4 yrs (RR14)

See also French Studies

### Entrance Requirements

#### Post A-level French:

ABB including A-level French.

**Note:** for applicants who have not studied A-level French then AS-level French grade B would be acceptable in lieu of A-level French.

#### Beginners Level French:

ABB + GCSE French grade B or evidence of linguistic ability in another language.

**Note:** the Beginners' option is not available to those who have studied A-level or AS-level French.

#### Post A-level Spanish:

ABB including A-level Spanish.

**Note:** for applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish.

#### Beginners Spanish:

ABB + GCSE Spanish grade B or evidence of linguistic ability in another language.

**Note:** the Beginners' option is not available to those who have studied A-level or AS-level Spanish.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

- The Structure of Modern French
- Rewriting Love in the Renaissance
- Identity, Sex and Sexuality in Post-Revolutionary Cuba
- Failed Romances of Latin American Literature
- Imperfect Heroines: Spanish Fiction in the 19th and 20th centuries

## WHY QUEEN'S?

### Global Opportunities

Students taking a BA in French and Spanish have a very genuine opportunity to acquire professional experience in a global context. They undertake an extended period of residence abroad in a French- or Spanish-speaking country (typically eight months), normally working as an English language assistant in a school, or undertaking a paid work placement (destinations include France and Spain, but also for example Mexico, Canada and Martinique). Students can also elect to study at a French- or Spanish-speaking university. In addition to the benefits for oral competence, the residence provides a unique opportunity for immersion in one of the cultures of the languages studied. Moreover, the Year Abroad is a significant learning and employability enhancement opportunity.

### Industry Links

Graduates of French and Spanish have risen to the top in a number of fields, including media, print journalism, translating, marketing, local government, fast-stream Civil Service, and a very wide range of local, national and international companies.

### World-Class Facilities

Queen's has an excellent library with an outstanding range of resources in French and Spanish cultures. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

## Student Experience

Students run lively French and Spanish Societies, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

## CAREERS/FURTHER STUDY

Typical careers pursued by our graduates include business, media and communications, marketing, translation, publishing, education/teaching, translation/interpreting, PR, journalism, fast stream Civil Service, tourism and banking. Graduates are particularly in demand in careers requiring a high level of communication and presentation skills, as well as strong critical and analytical thinking.

Eighty-eight per cent of our graduates are in employment or further study within six months of graduation. Starting salaries are in the region of £21,800. They are employed in a range of organisations, from the BBC and UTV to the Civil Service, from the Irish News to the European Parliament, and including a very wide range of local, national and international companies.



We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council.

Our past students have also gained work placements with organisations such as the British Council Assistantships Programme and with Citibank.

## Further Study

Further study is also an option open to graduates of French and Spanish. Students can continue to our MRes programme, which will be tailored to a student's particular interests, and will involve a combination of guided study and independent research. The MRes can lead on to a PhD programme – research specialisms of individual staff are available on the School website. Other postgraduate courses of possible interest for graduates of French and Spanish include the MA in Arts Management and the MA in Translation.

“My experience of studying French and Spanish at Queen's has been incredible. The classes and year abroad experience have really helped me improve my languages, but what I have loved most about this course has been the opportunity to learn about so much more than just the languages themselves. It has given me a passion for studying culture, history and literature from France and Spain.”

Emily Rankin, Joint French and Spanish student

Modern Languages and Linguistics at Queen's were ranked 5th in the UK (Times Higher Education rankings based on REF 2014). French at Queen's is ranked 14th in UK (Times and Sunday Times Good University Guide 2018) and 17th in the Complete University Guide 2018. Modern Languages at Queen's are ranked in the top 200 in the world (QS World Rankings by Subject 2017).

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Maeve McCusker,  
Senior Lecturer, French  
School of Arts, English and Languages

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# GEOGRAPHY

Geography embraces the study of human societies and their environment, and is one of the few subjects in which the human and physical aspects of the environment are integrated. Our flexible degree programme enables students to gain an understanding of the major global, regional and local processes that shape our world and the challenges we will face in the future.

## COURSE CONTENT

Our degrees provide fundamental skills and knowledge while allowing students to tailor their degree according to their interests and ambitions. There are three stages, outlined below.

### Stage 1

Students take a foundation year of Human and Physical Geography modules:

- Dynamic Earth
- Human Geographies of the Modern World
- Processes and Principles of Physical Geography
- Spaces of Development

Modules are delivered through combinations of lectures, tutorials, practical classes and field work. They provide an introduction to the subject and analysis of the inter-connections between global, regional and local scales. Associated essays, practicals and research projects contribute to the overall assessment.

### Stage 2

Single Honours students take core modules that explore contemporary approaches to geographical inquiry, the acquisition and analysis of geographical information, research design, and professional practice.

Students also select options from a range of aspects of human and physical geography. These include modules on sustaining the biosphere, climate and earth surface processes, political and cultural geography, maps and mappings, and international field work. The latter includes participating in overseas residential field-based research projects, such as the ones we currently run in Iceland, Malta and Mallorca.

### Stage 3

An element of independent study is required at Stage 3, where students carry out a supervised research project on a topic that interests them (the dissertation).

Students also select other specialised modules, which vary from year to year, but may include:

- Advanced GIS
- Arid Environments
- Climate Change
- Environmental Geopolitics
- Geoforensics
- Geographies of Contested Territories
- Geographies of Global Finance
- Geographies of War and Public Memory
- Geography, Science and Society
- Sea-Level Change: Past, Present and Future
- Spaces of Urbanisation in Emerging Economies
- Geography at Work (employer-based research projects)

## BSc Single Honours

Geography 3 yrs (F800)

Geography with a Language 4 yrs (F8RX)

## BSc Joint Honours

Archaeology-Palaeoecology and Geography 3 yrs (VF48)

## Entrance Requirements

### BSc Geography (Single and Joint Honours)

#### A-level:

BBB normally including A-level Geography + GCSE Mathematics grade C

### BSc Geography with a Language

#### A-level:

BBB normally including A-level Geography + GCSE Mathematics grade C

**For French option:** A-level French grade B

**For Spanish option:** A-level Spanish grade B

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

We also offer a variety of opportunities to study abroad in the EU, USA, Canada and Australia. In addition students enrolled in the Geography with a Language programme spend a year studying Geography at a French or Spanish university.

## Professional Accreditation

Our BSc Single Honours programme in Geography has been accredited by the Royal Geographical Society (with IBG). Accredited degree programmes contain a solid academic foundation in geographical knowledge and skills, and prepare graduates to address the needs of the world beyond higher education. The accreditation criteria require evidence that graduates from accredited programmes meet defined sets of learning outcomes, including subject knowledge, technical ability and transferable skills.

## CAREERS/FURTHER STUDY

Studying for a Geography degree at Queen's develops core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Some graduates pursue careers in geography-related areas such as urban and rural planning, environmental conservation and management, careers in GIScience and teaching. A significant number develop careers in a wide range of other sectors, eg management, marketing, NGOs, financial services, the Civil Service (especially land and property, environment, and development agencies), computing (especially using geographic data), and various graduate programmes.

We regularly consult and develop links with a large number of employers including the NI Environment Agency, the National Trust, Land and Property Services, and the Geological Survey of NI (GSNI), who provide advice on our programmes and in-depth careers sessions on their work.

We have embedded a careers programme within our personal tutoring system and a dedicated module in Stage 2. The latter includes talks from employers on career opportunities, support in building your CV, and practice in applying and interviewing for graduate-level jobs.

The importance we attach to building relationships with employers is also illustrated by our Stage 3 Geography at Work module. This highly vocational module centres on undertaking employer-led research projects. This initiative has proven of great benefit to our students, employers in the region and the quality of our degree. Past students have worked on projects for organisations such as the Marble Arch Caves Geopark,

GSNI, the Ulster Wildlife Trust, Land and Property Services, the National Trust, the PSNI and the Belfast Hills Partnership.

## Further Study

Further study is also an option open to Geography graduates, who can choose from a wide range of Master's programmes as well as a comprehensive list of PhD research topics; see the School website for further information.



“Had I studied anywhere other than Queen's, I don't think I would have had such an amazing experience. The friendliness, warmth and community atmosphere within Geography, coupled with an exceptional standard of teaching, meant help was never far away.”

Sophie Truran  
Witney, Oxfordshire, England  
BSc Geography Graduate

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

School of Natural and Built Environment

e: [snbe@qub.ac.uk](mailto:snbe@qub.ac.uk)  
t: +44 (0)28 9097 3350/3829  
w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)

# HISTORY

The undergraduate History programme at Queen's offers students a wide choice of modules. Courses span a long chronological period from Ancient History through to the Contemporary History of the late twentieth century. The School has specialists in ancient, medieval, early modern and modern history. The modules on offer to undergraduates also cover a wide geographical area that includes Ireland, England, Scotland, Europe, Africa, Asia and North America. Students can choose modules that focus on gender, social and cultural history, colonial history, politics, religious and economic change.

## COURSE CONTENT

### Year 1

#### Core modules

- History and Historians
- Exploring History 1
- History and Society
- Exploring History 2

Plus two modules from the optional modules on offer (one per semester)

### Year 2

Modules at Level 2 are generally survey modules seeking to convey a sense of the principal events, trends and developments in a particular country or region over a fairly long time span:

Examples include:

- Alexander the great
- Europe Between the Wars
- Nineteenth-Century Ireland
- The American South, 1619-1865

### Year 3

Dissertation (compulsory)

Plus a choice of four modules.

Examples include:

- The Ancient City
- The Rise of Christianity
- Kings, Courts, and Cultures in Carolingian Europe
- The Peasants' Revolt, 1381
- The British Republic, 1649-1660
- Presbyterians in Ulster, 1690-1840
- The American Civil War and Reconstruction
- Working-Class Communities in the United Kingdom
- The Irish Revolution
- Thatcher's Britain

**Note:** this is not an exclusive list and these options are subject to staff availability.

## WHY QUEEN'S?

### Global Opportunities

The History programme offers students opportunities to travel and study at universities in Europe and North America. Short-term (two weeks) and longer-term (up to one academic year) exchanges are on offer.

Examples include:

- Aarhus Universitet (Denmark)
- College of Charleston (South Carolina, USA)
- Institut d'Etudes Politiques de Bordeaux (France)
- University of Oslo (Norway)
- Universiteit Utrecht (Netherlands)
- Vanderbilt University (Nashville, Tennessee, USA)

Field trips are also offered in particular years or as part of certain modules.

### World-Class Facilities

- The Senator George J Mitchell Institute for Global Peace, Security and Justice
- Institute of Cognition and Culture
- Institute of Irish Studies
- Two International Summer Schools (the Irish Studies Summer School; and the Conflict Transformation and Social Justice Summer School)

### Top Ranking

History at Queen's is ranked in the top 150 in the world (QS World Rankings by Subject 2017).

## BA Single Honours

History 3 yrs (VL10)

## BA Joint Honours

Anthropology and History 3 yrs (VL16)

(see page 104)

Archaeology and History 3 yrs (VV41)

English and History 3 yrs (QV31)

French and History 4 yrs (RV11)

History and International Studies 3 yrs (LV21)

History and Irish 3 yrs (QV51)

History and Philosophy 3 yrs (VV1M)

History and Politics 3 yrs (VL12)

History and Sociology 3 yrs (VL13)

History and Spanish 4 yrs (RV41)

## Entrance Requirements

### A-level:

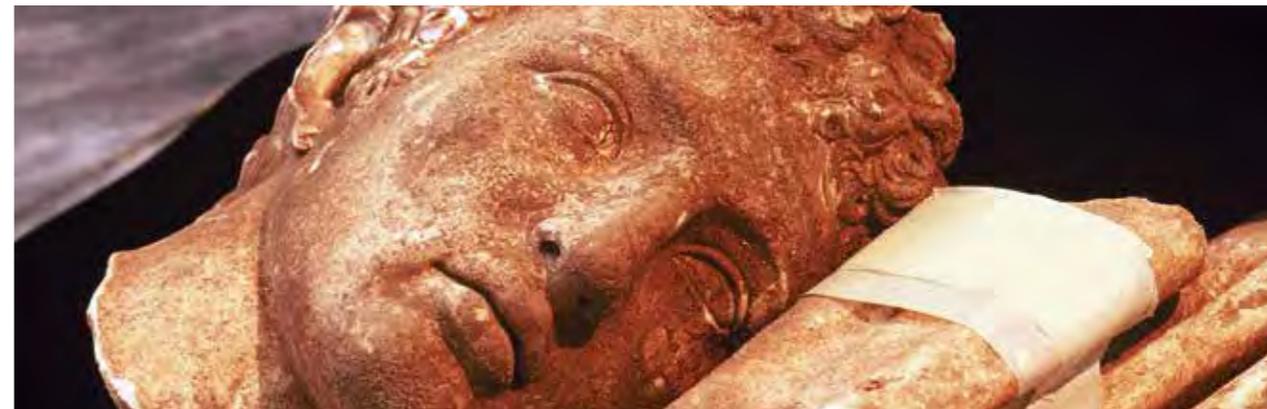
ABB for Single Honours and Joint Honours with Anthropology, English, French, International Studies, Philosophy, Irish, Politics and Spanish. BBB for other options.

### All applicants:

There are no specific subject requirements to study History, however, if you plan to study History as a Joint Honours degree you should refer to the subject requirements for the other course.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## Research-led Teaching

The 2014 Research Excellence Framework (REF) confirmed that History at Queen's is producing world-leading or internationally excellent research, placing Queen's in the top 10 of UK history departments (Times Higher Education rankings based on REF 2014). The School hosts many research seminars, conferences and lectures, including the annual highlight of the Wiles lecture series.

## CAREERS/FURTHER STUDY

### Skills to Enhance Employability

Studying for a History degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

### Close Links with Employers

Graduates from the History degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including History.

Although many of our graduates are interested in pursuing careers in teaching, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Accountancy
- Fast-stream Civil Service
- Management consultancy
- Museums, archives and libraries
- Performing arts
- Public relations
- Publishing and media
- Teaching
- Voluntary sector/charities

A recent survey of graduates six months after graduation reveals that Queen's graduates from History have gone into a range of careers, including: Recruitment Consultant; Trainee Accountant; Army Officer Cadet; Insurance Advisor; Management Trainee; Political Researcher; Fraud Officer; Business Development Officer; Business Associate; Auditor; Technology Consulting Associate; Arts Development Manager; Legal Assistant; Trainee Teacher; Rugby Coach; and Project Support Analyst.

Many others went on to further study, not only in History MAs, but also MSc Management, MSc Software Development, PGCE History, PCGE Primary, MA Legal Science, MA Legislative Studies and Practice, MSc Dating and Chronology, and MA International Relations.

"At Queen's History I learned to think critically, to inquire and to positively question subject matter. It opened my mind to future study outside the academic world, as I joined PricewaterhouseCoopers (PwC). I subsequently went on to become a Finance Director with a US multinational corporation, having lived in England, USA, France and now Switzerland."

David J Elliott, BA History

## Further Study

Further study is also an option; information on Master's programmes and research topics is available from the School website.

**Expert History staff offer students a variety of exciting modules with a wide chronological and geographical focus that ensure the development of transferable skills. The History programme also allows students opportunities to engage with industry partners, to carry out public-facing or industry-related work, and to study and travel abroad.**

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
School of History, Anthropology, Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

# HISTORY AND INTERNATIONAL STUDIES

The Joint Honours Programme in History and International Studies provides students with an intellectual training in disciplines that are complementary and mutually enriching. The programme enables students to appreciate how historical events shape modern issues and how such themes are to be understood and explained through insights into political analysis (eg political theory, political institutions, international relations). It offers students the opportunity to analyse country-based developments across the globe and pays specific attention to the histories and politics of Africa, Europe and America.

## COURSE CONTENT

The Joint Honours History and International Studies degree comprises compulsory modules together with optional modules. Students will choose three modules from each subject totalling six modules for the year. The modules are:

### HISTORY

#### Year 1

Modules at Level 1 offer a systematic introduction to the discipline of History, partly by sampling some of the many different approaches that historians take in studying the past, and partly by an exploration of some of the major questions of theory and method with which they are concerned.

#### Year 2

Modules at Level 2 are generally survey modules seeking to convey a sense of the principal events, trends and developments in a particular country or region over a fairly long time span.

Examples include:

- Alexander the Great
- Europe Between the Wars
- Nineteenth-Century Ireland
- The American South, 1619-1865

#### Year 3

Taught modules at Level 3 are more specialised, offering the opportunity to study a short period or a particular theme or problem in detail, working from documents as well as secondary sources.

Examples include:

- The Rise of Christianity
- The Peasants' Revolt 1381
- Presbyterians in Ulster, 1690-1840
- The Irish Revolution
- Thatcher's Britain

In addition, Joint Honours students at Level 3 may choose to complete a double module dissertation based on an individually assigned research topic chosen in consultation with a supervisor.

Some modules, especially surveys, use lectures and tutorials; others are taught through seminars, in which students are expected to come prepared to fully engage in and sometimes lead group discussions. There is also increasing use of web-based learning.

## INTERNATIONAL STUDIES

### Year 1

Students are introduced to the study of politics, political ideology, comparative politics, the state-of-world politics, international history and contemporary Europe.

### Year 2

In their second year, students focus on the political, economic and social transformations of the 20th century and beyond, and will be able to advance their conceptual understanding of the field of international relations and conflict by studying modules such as:

## BA Joint Honours

History and International Studies 3 yrs (LV21)

See also History

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study History and International Studies.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



- American Politics
- Deeply Divided Societies
- International Organisations
- International Relations
- Politics and Policies of the EU
- Security and Terrorism
- British politics in crisis?

### Year 3

In the final year, students can select more specific areas and specialist-based modules on, for example, the Middle East, US foreign policy, migration, the Far Right, political extremism, politics of the global economy, and modules on identity politics, international ethics, war and visual culture, conflict and conflict resolution.

### Dissertation

In their final year, students can opt to write a dissertation based on a research topic of their choice and under one-to-one supervision by an academic with specialist knowledge in the chosen field.

Note that this is not an exclusive list and these options are subject to staff availability.

## WHY QUEEN'S?

### Alumni

Various serving politicians have studied in the School, including Ian Paisley Jr (MP), Green Party leader, Stephen Agnew, and ministers in the Northern Ireland Executive.

## Global Opportunities

All students within this degree programme will have the possibility of opting to study for a semester abroad at an English-speaking university in mainland Europe. There is also a possibility for some to spend an additional year in the United States under the Study USA programme.

## Industry Links

Internships have been developed to allow students the opportunity to carry out work experience in history-related fields. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

## Top Ranking

History at Queen's is ranked in the top 150 in the world (QS World Rankings by Subject 2017).

## Student Experience

Our uniquely supportive pastoral care/personal tutor system is equalled only by the academic guidance available. Our vibrant Politics Society (Polysoc) and History provides a welcome and stimulating environment for new students.

## CAREERS/FURTHER STUDY

### Skills to Enhance Employability

Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including History and International Studies.

### Close Links with Employers

The School offers a range of employment placements where students can gain real-world work experience which is invaluable in terms of employment after graduation.

### Further Study

Further study is also an option; information on Master's programmes and research topics is available from the School website.

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

School of History, Anthropology, Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

# HISTORY AND POLITICS

This programme provides students with an intellectual training in the mutually enriching disciplines of History and Politics. A key premise of the programme is that understanding the present and anticipating the future requires the ability to study and interpret the past and to appreciate how the insights of political theory and the tools of historical inquiry combine to illuminate political developments, including those in the contemporary world.

## COURSE CONTENT

The Joint Honours History and Politics degree comprises compulsory modules together with optional modules. Students will choose three modules from each subject totalling six modules for the year. The modules are:

### HISTORY

#### Year 1

Modules at Level 1 offer a systematic introduction to the discipline of History, partly by sampling some of the many different approaches that historians take in studying the past, and partly by an exploration of some of the major questions of theory and method with which they are concerned.

#### Year 2

Modules at Level 2 are generally survey modules seeking to convey a sense of the principal events, trends and developments in a particular country or region over a fairly long time span.

Examples include:

- Alexander the Great
- Europe Between the Wars
- Nineteenth-Century Ireland
- The American South, 1619-1865

#### Year 3

Taught modules at Level 3 are more specialised, offering the opportunity to study a short period or a particular theme or problem in detail, working from documents as well as secondary sources.

Examples include:

- The Rise of Christianity
- The Peasants' Revolt 1381
- Presbyterians in Ulster, 1690-1840
- The Irish Revolution
- Thatcher's Britain

In addition, Joint Honours students at Level 3 complete a double module dissertation based on an individually assigned research topic chosen in consultation with a supervisor.

### POLITICS

#### Year 1 modules

- Comparative Politics
- Contemporary Europe
- Issues in Contemporary Politics
- Perspectives on Politics
- World Politics: Conflict and Peace

#### Year 2 modules

In their second year, students focus on the political, economic and social transformations of the 20th century and beyond, and will be able to advance their conceptual understanding of the field of international relations and conflict by studying modules such as:

- American Politics
- British Politics in Crisis?
- Deeply Divided Societies
- Politics and Policies of the EU
- Security and Technology

#### Year 3

In the final year, students can select more specific areas and specialist-based modules on, for example, the Middle East, US Foreign Policy, Migration, the Far Right, Political Extremism, Politics of the Global Economy, and modules on Identity Politics, International Ethics, War and Visual Culture, Conflict and Conflict Resolution.

**Note:** this is not an exclusive list and these options are subject to staff availability.

## BA Joint Honours

History and Politics 3 yrs (VL12)

See also Anthropology and History, History, History and International Studies, International Politics and Conflict Studies, Politics, Philosophy and Economics (PPE)

## Entrance Requirements

### A-level:

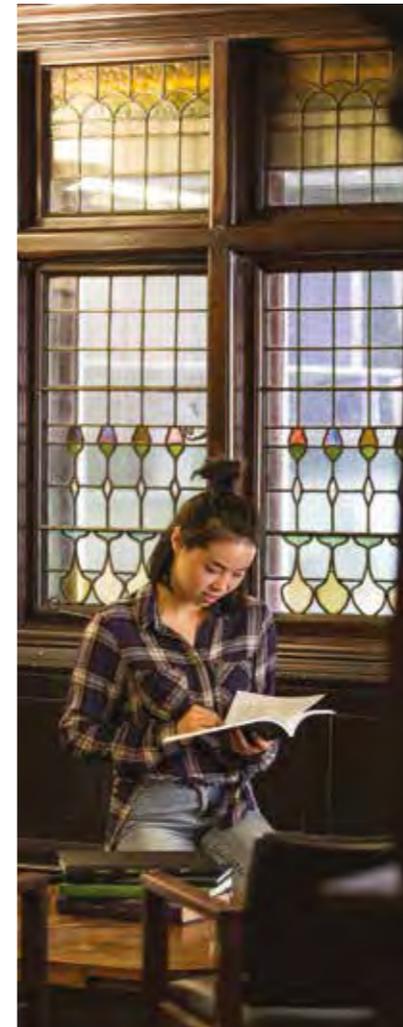
ABB

### All applicants:

There are no specific subject requirements to study History and Politics.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## WHY QUEEN'S?

### Global Opportunities

Study Abroad: students have study opportunities in other European universities through our Erasmus programme, and also in the USA and Canada.

### Industry Links

Internships have been developed to allow students the opportunity to carry out work experience in history-related fields. Students in their final year have an opportunity to go on a placement with a local organisation to gain direct experience of policy-making and political decision-making.

### Top Ranking

Both History and Politics at Queen's have been placed in the QS World University Rankings top 150 departments in the world for these subjects in 2017.

### Student Experience

Our uniquely supportive pastoral care/personal tutor system is equalled only by the academic guidance available. Our vibrant Politics Society (Polysoc) and History Society provide a welcome and stimulating environment for new students.

## CAREERS/FURTHER STUDY

### Skills to Enhance Employability

Studying for a degree in History and Politics at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by employers and over half of all graduate jobs are now open to graduates of any discipline, including History and Politics.

## Close Links with Employers

The School offers a range of employment placements where students can gain real-world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

## Further Study

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes, each of which can be taken either full-time (one year) or part-time (two years).

There are also opportunities to do an MPhil or PhD by thesis; see the School website for information.

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School of History, Anthropology, Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

# HUMAN BIOLOGY

Human Biology is the integrated study of human anatomy and physiology, including the study of the body in health and disease. It covers a wide range of topics, ranging from genetics, microbiology and immunology to the core disciplines of anatomy, microanatomy and physiology.

The degree is designed to allow a greater degree of flexibility in the choice of modules, in comparison to the closely related degree in Biomedical Science. Specialist subject areas which can be studied in detail include Pharmacology, Topographical Anatomy, Exercise and Applied Physiology, Developmental Studies, Embryology, Neuroscience and Science Communication. Within these subject areas we provide a wide and innovative range of learning experiences, such as the use of ultrasound imaging in cardiovascular physiology and exposure to cadaveric dissection.

## COURSE CONTENT

The Human Biology degree at Queen's is underpinned by the core disciplines of Anatomy, Microanatomy and Physiology (the study of the function of the human body). In addition, it provides a solid foundation in Mammalian Biochemistry, Genetics, Molecular Biology, and Microbiology.

The modules are:

### Stage 1

- Molecular Basis of Life
- The World of Microorganisms
- Human Structure and Function

### Stage 2

Students must take the following three compulsory modules:

- Research Methods and Statistics
- Physiological Sciences
- Anatomical Sciences
- And a choice of one from:
  - Human Evolution
  - Molecular Cell Biology
  - Human Physiological Measurement

### Stage 3

Students must take the following compulsory module:

- Research Project

And a choice of two from:

- Cardiovascular Pathobiology and Treatment
- Advanced Neurosciences
- Embryology and Developmental Biology
- Pharmacology and Therapeutics
- Sports and Exercise Physiology

## WHY QUEEN'S?

### Global Opportunities

The School has links with two universities in the USA – the University of Nevada in Reno and the University of Vermont, where several students have the opportunity to complete a one-year work placement programme.

### Prizes and Awards

Up to 12 prizes are available as an added incentive to our students from 1st to 3rd year, awarded for top performances in individual modules and the overall degree performances. This includes prizes awarded from the professional bodies (Physiological Society, Pharmacological Society).

### World-Class Facilities

The School has excellent research facilities as well as strong links with clinical departments, including a human dissection lab to aid teaching on this course.

### Internationally Renowned Experts

Our academic staff combine enthusiastic teaching with world-class research in the Biomedical Sciences.

## BSc Honours

Human Biology, 3 yrs (B100)

See also Biomedical Science

## Entrance Requirements

### Biochemistry

#### A-level:

AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C

OR

A (Biology/Human Biology or Chemistry) AB including a second science subject + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

This degree programme is aimed at students seeking a broad-based knowledge of Human Biology with career opportunities in the medical and pharmaceutical industries, teaching, scientific publishing or the scientific Civil Service. Many students go into further study after their degree, completing Master's and PhDs and a significant proportion of graduates gain entry to a Medical degree both here and abroad.

### Placement Links

Our students may apply for one-year USA research laboratory internships, during which the students live and work within an active research laboratory, usually in the University of Reno or University of Vermont. Some students have been offered a PhD place in the US on completion of their degree. A number of summer studentships within our Research Centres are competitively available, providing valuable research and laboratory experience.

## Graduate Careers

Recent and frequent employment opportunities have been taken by our graduates in Life Science/Pharmaceutical/Biotechnology industries in a wide range of roles, including Laboratory Technician, Scientific Officer, Sales and Marketing, and Clinical Trials Supervision, in leading local, national and international industries, including Norbrook, Almac and Galen.

### Employment Links

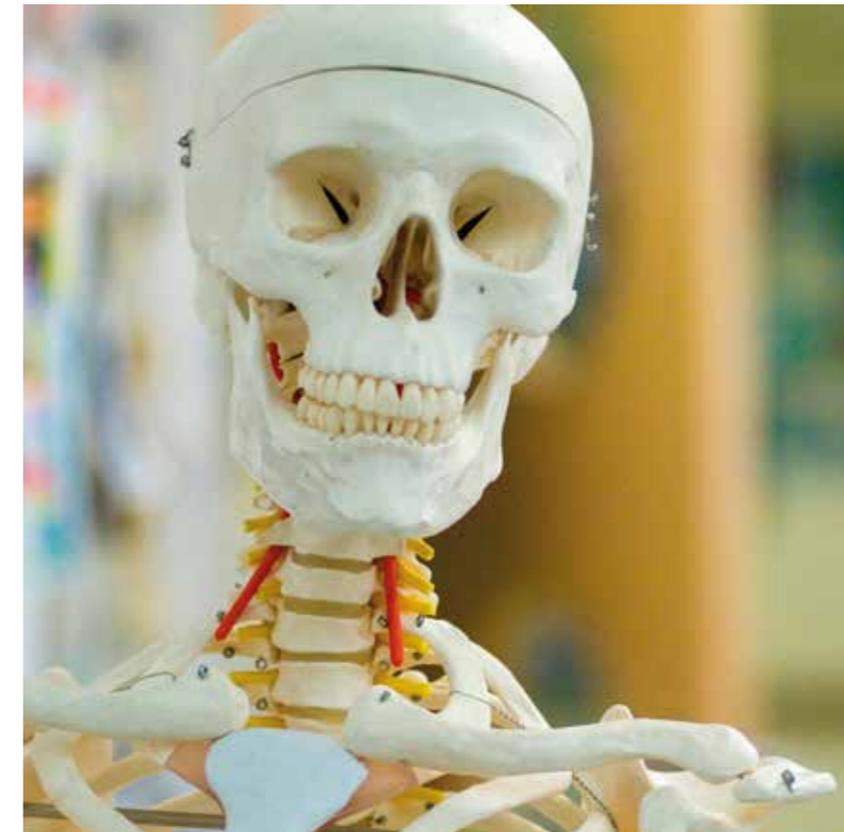
A limited number of summer internships are currently available with Radox Laboratories, appointed via competitive application.

### Further Study

Many of our students go on to further study, predominantly within Queen's or in other universities in the UK or abroad.

Graduates have gone into areas such as Medicine, Dentistry, Computational Biology, Teaching, and PhDs in various research areas.

Queen's has a human dissection lab which gives students the opportunity to gain valuable experience and understanding of human anatomy to support their learning. Exposure to cadaveric dissection provides students with practical and innovative learning experiences.



"I couldn't recommend the Human Biology course more strongly. With a comprehensive support network in place, students have the opportunity to reach their full potential and are equipped for challenges in their academic career and beyond."

Helen Monaghan,  
3rd Year, BSc Human Biology

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Stephen McCullough  
Programme Director  
School of Medicine, Dentistry and  
Biomedical Sciences

e: [biomedsci@qub.ac.uk](mailto:biomedsci@qub.ac.uk)  
t: +44 (0)28 9097 2677  
w: [qub.ac.uk/mdbs](http://qub.ac.uk/mdbs)

# INTERNATIONAL BUSINESS WITH A LANGUAGE

Being successful in business today requires the development of leaders with a global mindset. All organisations are now operating in a competitive global marketplace, seeking to expand and develop their business beyond their national borders. Success in foreign markets requires knowledge of how to adapt to local cultures, languages and customers as well as an understanding of fundamental business theories and practices. Global leaders ultimately cultivate cultural intelligence by travelling to and working in different cultures, developing and applying both their business and language skills.

## COURSE CONTENT

This four-year BSc Honours degree in International Business with a Language is delivered by Queen's Management School (Major) and the School of Arts, English and Languages (Minor).

Currently five language options are offered:

- French (Intermediate and Advanced)
- German (Advanced)
- Mandarin Chinese (Beginners)
- Portuguese (Beginners)
- Spanish (Beginners, Intermediate and Advanced)

In each of years one, two and four, students complete a range of management-related modules and a year-long language module. In year three, students undertake a minimum of nine months work placement in France, Spain, Portugal, Germany or China, as appropriate.

### Stage 1

Students take a range of compulsory management-focused modules and a year-long language module. These modules set the context and foundation for the remainder of the degree. The focus will be on organisations, their structures, behaviours and the changing external environment within which they operate.

Modules will cover accounting, economics, marketing principles and organisational behaviour.

### Stage 2

Students again take a year-long language module alongside their management modules, which in this year cover issues such as international business, decision-making through effective data analysis and interpretation and managing resources (eg operations and human).

### Stage 3

Placement year.

### Stage 4

The final year of the programme sees the students complete a year-long language module. Additionally, students will take compulsory modules in International Strategy and Applied International Business, as well as optional modules in Business Ethics, Innovation and Entrepreneurship. An applied focus will be incorporated through start up projects, company tours and live case studies.

## WHY QUEEN'S?

### Placement

Year 3 is spent abroad on a compulsory international work placement in a region of the globe where the language being studied is the dominant tongue. This is an integral part of the degree, providing students with the fluency and confidence to communicate and work effectively in an international business environment.

## BSc Honours

- International Business with French 4 yrs (N1R1)
- International Business with German 4 yrs (N2R2)
- International Business with Mandarin Chinese 4 yrs (N1R9)
- International Business with Portuguese 4 yrs (N2R5)
- International Business with Spanish 4 yrs (N1R4)

## Entrance Requirements

### A-level:

ABB + GCSE Mathematics grade B

- **For French option:** normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language
- **For German option:** normally A-level German grade B or AS-level German grade B
- **For Mandarin option:** evidence of linguistic ability
- **For Portuguese option:** normally A-level Portuguese grade B or AS-level Portuguese grade B or GCSE Portuguese grade B or evidence of linguistic ability in another language
- **For Spanish option:** normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language

**Note:** if the language is studied at a higher level then the grade required at that level must be achieved.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Industry Links

Students have the opportunity to hear from industry professionals who regularly deliver guest lectures. The opportunity to network afterwards can give students valuable connections with senior professionals working in management.

## Innovative Teaching Methods

Students will experience a variety of teaching methods including brainstorming, individual and paired reflection, discussion exercises, presentation, case studies, group work and practical workshops. A range of e-learning experiences are also embedded in the degree programme through the use of, for example, interactive support materials, podcasts and web-based learning activities.

## CAREERS/FURTHER STUDY

Those pursuing a career in International Business with a Language should enjoy working with people as they will have to generate information from a wide variety of sources as they attempt to improve the business (entering new global markets or developing new products or becoming more competitive internationally etc) or solve a specific management related issue. They should be effective communicators as they will be expected to engage with a range of stakeholders including senior management, consumers and consumer groups, government representatives and policy makers, as well as employees and peers. Further, graduates need to have an appreciation of the potential differences in national cultures and their impact on the business environment.

Students interested in pursuing a career in International Business with a Language must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment. To assist this, core transferable skills acquired throughout the degree programme include the ability to learn independently, problem solve, understand management and related information and work productively as part of a team as well as developing competence in a second language.

## Graduate Careers and Achievements

A degree in International Business with a Language from Queen's offers an outstanding opportunity for securing an excellent graduate position or further academic study. Career options are extremely varied on a global scale and the employment opportunities for our International Business with a Language graduates are first rate. The first cohort of graduates from this programme completed their studies in July 2012 and have secured a range of positions in local, national, regional and multinational organisations.

Students that have completed this course have developed careers in areas such as corporate finance, consulting, global brand management and risk investment in companies such as Google, Dom Perignon, KPMG, Deloitte, Citi and PwC.

Students from this programme have secured either graduate positions or have undertaken placements in advertising, human resources, recruitment, training and development, marketing, export marketing, new product development, market research, brand management, operations management, supply chain management, quality management, business development, accounting, finance, management consultancy.

## Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

Queen's Management School is committed to the continuous improvement and enhancement of all of its degree programmes. New modules may be developed and included to replace or enhance those which are mentioned here.

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Kieran Conroy  
Programme Director  
Queen's Management School

e: [k.conroy@qub.ac.uk](mailto:k.conroy@qub.ac.uk)  
t: +44 (0)28 9097 5458  
w: [qub.ac.uk/mgt](http://qub.ac.uk/mgt)

“Studying on the BSc International Business with Spanish has definitely given me an edge in a highly competitive graduate job market. I have found many jobs in business now require mastering a second language. Not only are the modules really varied and interesting but the staff go above and beyond to ensure the students avail of the ample opportunities available within the course. From working in Barcelona for the British Chamber of Commerce on my placement year, to winning a British Council scholarship to work in Beijing - my degree has literally taken me around the world allowing me to gain excellent corporate experience. I would say this particular course and the Management School have been pivotal in my success both in and outside of the classroom.”

Shona McCotter, BSc International Business with Spanish graduate (2017), UK Management Undergraduate of the Year 2016

**Year 3 is spent abroad on a compulsory international work placement in a region of the globe where the language being studied is the dominant tongue. Other placement providers include: HEC and EY in Paris; Dreams and Agilent in Barcelona; PWC, Amadeus and 3M in Madrid.**

# INTERNATIONAL POLITICS AND CONFLICT STUDIES

The International Politics and Conflict Studies degree at Queen's is about more than just armed conflict and insurgency. It also examines such trends as globalisation and considers the challenge from the rise of Brazil, Russia, India, China and South Africa, the process of European integration, humanitarian issues (such as poverty, development and refugees), and the role of the media in conflict.

## COURSE CONTENT

### Year 1

Students are introduced to the study of politics, political ideology, comparative politics, the state of world politics, international history and contemporary Europe.

### Year 2

In their second year, students focus on the political, economic and social transformations of the 20th century and beyond, and will be able to advance their conceptual understanding of the field of international relations and conflict by studying modules such as:

- American Politics
- Deeply Divided Societies
- International Organisations
- International Relations
- Politics and Policies of the EU
- Security and Terrorism
- British Politics in Crisis?

### Year 3

In the final year, students can select more specific areas and specialist-based modules on, for example, the Middle East, US Foreign Policy, migration, the Far Right, Political Extremism, Politics of the Global Economy, and modules on Identity Politics, International Ethics, War and Visual Culture, Conflict and Conflict Resolution.

Dissertations: in their final year, students can write a dissertation based on a research topic of their choice and under one-to-one supervision by an academic with specialist knowledge in the chosen field.

**Note:** this is not an exclusive list and these options are subject to staff availability.

## WHY QUEEN'S?

### Internationally Renowned Experts

- Professor Yvonne Galligan OBE is an internationally recognised expert in the politics of gender. She was a member of an Independent Commission of Inquiry on The Consequences of Devolution for the UK House of Commons (the McKay Commission) in 2013.
- Professor Beverley Milton Edwards has advised various governments in her role as an expert on the Middle East, and is currently a Visiting Fellow at the Brookings Institution.
- Professor David Phinnemore is an expert on EU Treaty reform and EU enlargement, which led to his secondment as an adviser to the UK's Foreign and Commonwealth Office.

### Student Experience

Our vibrant Politics Society (Polysoc) provides a welcome and stimulating environment for new students.

### Diversity of Students

We have students from around the UK, Ireland, Europe and the wider world, ensuring a rich mix of students with different experiences and backgrounds.

### World-Class Facilities

- The Senator George J Mitchell Institute for Global Peace, Security and Justice
- Institute of Cognition and Culture
- Institute of Irish Studies
- Two International Summer Schools (the Irish Studies Summer School; and the Conflict Transformation and Social Justice Summer School)

### BA Single Honours

International Politics and Conflict Studies 3 yrs (L253)

### BA Joint Honours

French and International Studies 4 yrs (RLC2)

History and International Studies 3 yrs (LV21)

International Studies and Irish 3 yrs (LQF5)

International Studies and Politics 3 yrs (L290)

International Studies and Spanish 4 yrs (LRF4)

**Note:** for Joint Honours options the title of this degree is 'International Studies'

### Entrance Requirements

#### A-level:

ABB

#### All applicants:

There are no specific subject requirements to study International Politics and Conflict Studies, however, if you plan to study International Studies as a Joint Honours degree you should refer to the subject requirements for the other course.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

### Skills to Enhance Employability

Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including International Politics and Conflict Studies. Although the majority of our graduates are interested in pursuing careers in the public and voluntary/community sectors, significant numbers develop careers in the private sector, working in industries from management consultancy to law and journalism.

### Close Links with Employers

We regularly consult and develop links with a large number of employers, including NI government departments and the North/South Ministerial Council, who provide sponsorship for our internships.

In addition, the School offers a range of employment placements where students can gain real-world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

### Further Study

Many students progress to further study and can choose from a wide range of Master's and research programmes; see the School website for further information.

"I chose to study at Queen's because of the unique course and setting. To be able to study Conflict Studies in a post-conflict setting was fascinating and provided a unique insight into my subject area. I loved the scope of my course – we covered political theory, media in conflict, Palestine, the Middle East, USA, gender, class, social policy and much more. We really got a chance to specialise and decide what we wanted to focus on. Over the years it really allowed me to explore the areas of international politics that I really enjoyed. The lecturers were world class and always had the time to discuss ideas and indulge our intellectual curiosity."

Amy Keegan, BA International Politics and Conflict Studies



Various serving politicians have studied in the School, including Ian Paisley Jr (MP), the Green Party Leader, Stephen Agnew, and ministers in the Northern Ireland Executive.

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
School of History, Anthropology, Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

# IRISH

The emphasis in this course is on the modern language and culture. A range of modules will provide you with a broad understanding of diverse aspects of Irish culture and society and include filmmaking, the short story, the novel, and modern poetry. The growth of Gaelic identity is also explored and insight into the country's wider heritage is developed through the study of mythology, folklore and Scottish Gaelic.

## COURSE CONTENT

### Level 1

- Gaeilge 1\* (double module)
- The Irish Folk Tradition
- Celtic Mythology
- Introduction to Modern Irish Literature

Students choose their fifth and sixth modules from an agreed list.

### Level 2

- Gaeilge 2\* (double module)
- Scottish Gaelic Language
- Irish Poetic Tradition 1650-1850
- Skills in Irish Translation
- Irish Film Studies
- Irish Writing and the Short Story

### Level 3

- Gaeilge 3\* (double module)
- Modern Irish Poetry
- Language, Literature and Irish Identity
- Dissertation (double module)

\* Indicates compulsory modules

**95% of Celtic Studies students at Queen's are satisfied with their course, ranking us 3rd in the UK.**

(National Student Survey 2017)

## WHY QUEEN'S?

### Professional Exemptions

The BA Irish will exempt you from examinations for An Teastas Gaeilge do Mhúinteoirí Iarbhunscóile for teaching in the Republic of Ireland.

### Global Opportunities

You will have a chance to spend up to a year studying business in the US or you can take a semester at another university in Europe.

### Industry Links

We have former students in senior positions in various Irish language sectors and we maintain good links with media production companies, the translation sector and language promotion agencies.

### World-Class Facilities

Queen's has an excellent library for Irish materials and an outstanding collection of resources relating to Ireland.

### Internationally Renowned Experts

Queen's has world-leading experts in the history of the Irish language and literature, Irish linguistics and Gaelic names. Queen's had the highest ranked research unit including Irish and Celtic languages in the most recent Research Excellence Framework (Times Higher Education rankings based on REF 2014).

### Student Experience

Students receive intensive instruction in spoken and written Irish and the School supports a three-week summer school in the Donegal Gaeltacht each year.

### BA Single Honours

Irish 3 yrs (Q504)

### BA Joint Honours

Anthropology and Irish 3 yrs (QL56)

Archaeology and Irish 3 yrs (VQ45)

English and Irish 3 yrs (QQ53)

French and Irish 4 yrs (QR51)

History and Irish 3 yrs (QV51)

International Studies and Irish 3 yrs (LQF5)

Irish and Politics 3 yrs (QL52)

Irish and Spanish 4 yrs (QR54)

### Entrance Requirements

#### A-level:

ABB including A-level Irish

#### All applicants:

If you plan to study Irish as a Joint Honours degree you should also refer to the subject requirements for the other course.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Developing your Employment Skills

Queen's has strong links with a number of employers including the Department for Communities, the BBC, Irish Language Broadcast Fund and other media companies, and employers are routinely invited to address the Irish students. Students can gain work experience in primary and secondary schools as well as local media companies, theatre and community groups.

### Prizes and Awards

- Foundation Scholarships: recognise outstanding achievement in Level 1
- Donohoe prize: awarded for the highest mark in the oral examination in Level 2
- Emrys Evans Book prize: awarded at Levels 1 and 2 for the best performance in the written language examination
- Students receive a certificate of distinction for first class performance in the Level 3 oral.

## CAREERS/FURTHER STUDY

Studying on this pathway will assist students in developing the core skills and employment-related experiences that are valued by employers, particularly in a world where critical thinking, cross-cultural awareness and communication skills are at a premium.

### Typical Careers

Careers include teaching, language development, translating, management, TV presenting, production, writing, researching, business, management consultancy and software development.

Eighty-eight per cent of our graduates are in employment or further study within six months of graduation. Starting salaries may be in the region of £21,800.

### Further Study

Graduates can continue to a Master of Research (MRes) programme as well as courses such as the MA Arts Management and MA Translation.

**Queen's is ranked 4th in the UK for Celtic Studies.**

(Times and Sunday Times Good University Guide 2018)



"The diverse course at Queen's gives a unique insight into the spirit of the language through its modules on all aspects of the culture. It is without a doubt everything I expected the course to be and more."

Keely Hastings, BA Irish Graduate (2017)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
T: +44 (0)28 9097 3838

**Course information**  
Mícheál Ó Maínnín  
School of Arts, English and Languages

e: [m.omainnin@qub.ac.uk](mailto:m.omainnin@qub.ac.uk)  
t: +44 (0)28 9097 3717  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# LAW

Law looks at the relationships, interactions and transactions between individuals, government and state at a local, regional, national and international level. With a broad focus and application, the Law degree encompasses private and public law alongside wider socio-legal perspectives. You will study key aspects of the law and develop a wide range of transferable skills, relevant to your future career trajectory. Our links with the professions, the wide range of additional opportunities within the School and the development of a highly nuanced skill-set helps to create highly sought-after graduates.

## COURSE CONTENT

The degree offers students the opportunity to study the modules required for a Qualifying Law Degree. In addition, students are offered the opportunity to explore their interests in final year with modules offered that allow them to specialise in a particular area, or simply receive a more rounded sense of what 'Law' is. Many of these modules consider law and law-like interactions on a local, national and international level.

### Stage 1

- European Constitutional Law
- European Internal Market Law
- Constitutional Law in Context
- Rights and Accountability
- Legal Methods and Skills
- Criminal Law

### Stage 2

- Contract Law
- Equity
- Introduction to the Law of Torts
- Contemporary Issues in Property Law
- Contemporary Issues in the Law of Obligations
- Land Law

### Stage 3

Dissertation

Four Optional Modules selected from the list below\*

- Business and Human Rights
- Clinical Law
- Company Law and Corporate Governance
- Competition Law
- Contemporary Issues in British and Irish Human Rights

- Criminal Liability
- Criminology: Theory and Practice
- Employment Law
- Environmental Law
- Evidence
- Financial Law
- Global Business Law and Regulation
- Intellectual Property Law
- International Criminal and Transitional Justice
- International Economic Law
- International Humanitarian Law
- International Trade Law
- Law of the Home
- Legal Theory
- Public International Law
- Regulating Commercial Sex
- Remedies in Private Law
- Research Project B
- Reshaping the NI Constitution: The Transition from Conflict to Consensus
- Sentencing
- Trade Marks, Merchandising and Unfair Competition

\* Please note this is not an exclusive list of the optional modules available. Optional modules are subject to staff availability and change each academic year.

## WHY QUEEN'S?

### Accreditation

All of the undergraduate Law degrees offered at Queen's are recognised qualifying law degrees, which means that they are accredited by legal professional bodies in Northern Ireland, England and Wales and the Republic of Ireland. This means that the degree covers those subjects that are regarded as prerequisites for professional legal studies.

## LLB Honours

Law 3 yrs (M100)

See also Law with Politics, Common and Civil Law with French and Common and Civil Law with Hispanic Studies

## Entrance Requirements

### A-level:

AAA

### All applicants:

There are no specific subject requirements to study Law.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Law at Queen's is ranked in the top 150 in the world.**

(QS World Rankings by Subject 2017)

## Global Opportunities

You will have the opportunity to take part in overseas exchanges with partner universities in Europe, North America and China.

## World-Class Facilities

The new £20m School at Queen's offers students access to world-class facilities such as a fully interactive Moot Court room, various seminar rooms and a wellbeing room.

## Student Experience

Students can join a number of student-led initiatives within the School including the Law Society, the ADR Society and the Street Law Project. Other initiatives include the Queen's Student Law Journal and the Mooting Society.

## CAREERS/FURTHER STUDY

Although a large percentage of our graduates are interested in pursuing careers in Law, significant numbers develop careers in a wide range of other sectors.

Typical career destinations of graduates include:

- Trainee Solicitor
- Legal Professional
- Para Legal
- Legal Executive
- Legal Analyst
- Compliance Officer
- Trainee Accountant
- Financial Engineer
- Business Analyst
- Management Trainee
- Audit Associate

## Employer Links – Consultations

Queen's School of Law has a long and well-established tradition of regular consultation with legal professional bodies, employers etc. This includes, for example, The Law Society of Northern Ireland, The Law Society of England and Wales, The Law Society of Ireland, the Institute of Professional Legal Studies and employers from significant legal and other professional firms or organisations (see examples below).

## Placement Employers

Our past students have also gained work placements with organisations such as:



- The Council of the EU
- The European Commission
- The European Parliament
- The United Nations (UN)
- The Organisation for Security and Co-operation in Europe (OSCE)
- The Council of Europe
- Thomson Reuters

Graduate Employers include: A&L Goodbody; Allen & Overy; Baker McKenzie; CitiGroup; Deloitte; EY; First Derivatives; PwC; Wilson Nesbitt; Herbert Smith Freehills.

## Other Employer Links

Top international law firms, including the 'Magic Circle' law firms, ie Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaughter & May, and many more.

## Further Study

Further study is also an option open to Law graduates. Students can choose to progress to a vocational course (Solicitor or Barrister course) or can choose from a wide range of Master's programmes as well as a comprehensive list of research topics (see the Law School website).



**13TH IN THE UK FOR LAW**  
(Guardian University Guide 2018)

"I chose to study Law because I wanted a well-respected degree that would give me a solid foundation for my future career. I got that at Queen's but I got so much more too. The approach to teaching and learning was so engaging and went well beyond traditional lecturing. The interactive nature of lectures and tutorials brought the law to life and was truly inspiring. The wide range of compulsory and optional subjects allowed me to tailor my degree to my own interests and to discover new ones! The teaching quality was superb and the guidance and support of staff was second to none."

Dean Bonner, LLB Law (2016)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Kevin Brown,  
Programme Director for  
LLB pathways  
School of Law

e: [k.brown@qub.ac.uk](mailto:k.brown@qub.ac.uk)  
t: +44 (0)28 9097 3858  
w: [qub.ac.uk/law](http://qub.ac.uk/law)

# LAW WITH POLITICS

As a Joint Honours programme, Law with Politics offers students the chance to study for a Qualifying Law Degree whilst also engaging with research in areas such as conflict, co-operation, power and decision making, the result being a highly nuanced degree option.

The close relationship with the regional political infrastructure in Northern Ireland creates a unique environment for students to engage with and respond to political as well as legal developments on a local, regional, national and international level.

## COURSE CONTENT

The degree offers students the opportunity to study the modules required for a Qualifying Law Degree alongside a number of Politics modules.

### Stage 1

#### Core modules

- Perspectives on Politics
- Constitutional Law in Context
- Legal Methods and Skills
- Comparative Politics
- Rights and Accountability
- Criminal Law

### Stage 2

#### Core modules

- European Constitutional Law
- Equity
- European Internal Market Law
- Land Law

#### Optional modules\*

- Politics of Deeply Divided Societies
- International Relations
- British Politics in Crisis?
- International Organisations
- Security and Terrorism
- Modern Political Thought

### Stage 3

#### Core modules

- Contract
- Torts
- Evidence
- Contemporary Issues in Property Law

#### Optional modules\*

- Politics of Irish Literature
- The Politics of Sustainable Development
- Middle Eastern Politics

- Contemporary Political Philosophy
- Arms Control
- Women and Politics
- Northern Ireland: A Case Study in Ethno-National Conflict and Peace Making
- Challenges to Contemporary Party Politics
- Security and Technology
- Scotland and Northern Ireland: Points of Political Comparison
- US Foreign Policy: War
- Ethics, Power and International Politics
- National and Ethnic Minorities in European Politics
- Politics, Public Administration and Policy Making
- Global Resource Politics
- European Cultural Identities

\*Optional modules are subject to staff availability and change each academic year. Timetabling requirements may impact the optional modules available to students.

## WHY QUEEN'S?

### Accreditation

All of the undergraduate Law degrees offered at Queen's are recognised Qualifying Law Degrees, which means that they are accredited by legal professional bodies in Northern Ireland, England and Wales and the Republic of Ireland.

### Placement

Past students have gained work placement with organisations such as the Council of the EU, European Commission, European Parliament, United Nations (UN), Organisation for Security and Co-operation in Europe (OSCE), Council of Europe, and Thomson Reuters.

## LLB Honours

Law with Politics 3 yrs (M1L2)

See also Law, Common and Civil Law with French and Common and Civil Law with Hispanic Studies

## Entrance Requirements

### A-level:

AAA

### All applicants:

There are no specific subject requirements to study Law with Politics.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Law at Queen's is ranked in the top 150 in the world.**

(QS World Rankings by Subject 2017)

## Industry Links

Those students more interested in politics-orientated placements can avail of some of the opportunities within the Department of Justice, Equality Commission, Police Ombudsman's Office, BBC Northern Ireland and so on.

## World-Class Facilities

The new School of Law at Queen's offers students access to world-class facilities such as a fully interactive Moot Court room, various seminar rooms and a wellbeing room.

## Internationally Renowned Experts

Law at Queen's is taught by world-leading experts in the area of Law including Human Rights, Criminology and Socio-Legal Studies. Our staff have close research links with the professions, government and Civil Society. Research in Law was ranked 15th in the UK in the most recent Research Assessment (Times Higher Education rankings based on REF 2014).

## Student Experience

Students can join a number of student-led initiatives within the School including the Law Society, the ADR Society and the Street Law Project. Other initiatives include the Queen's Student Law Journal and the Mooting Society.

## CAREERS/FURTHER STUDY

Although a large percentage of our graduates are interested in pursuing careers in Law, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Management Consultancy
- Corporate Banking
- Purchasing Officer
- Fast Stream Civil Service
- Publishing, Media and Performing Arts
- Typical career destinations of graduates include:
  - Trainee Solicitor
  - Legal Professional
  - Para Legal
  - Legal Executive
  - Legal Analyst
  - Compliance Officer
  - Trainee Accountant
  - Financial Engineer
  - Business Analyst
  - Management Trainee
  - Audit Associate
  - Marketing
  - Journalism

- Civil Service
- Local Government
- Politics

Graduate Employers include A&L Goodbody, Allen & Overy, Baker McKenzie, CitiGroup, Deloitte, EY, First Derivatives, PwC, Wilson Nesbitt and Herbert Smith Freehills.

## Other Employer Links

Top international law firms, including the 'Magic Circle' law firms, ie Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaughter & May, and many more.

## Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example:

- Lord (David) Trimble – Former First Minister of Northern Ireland, Nobel Peace Prize winner and Member of the House of Lords
- Right Honourable Sir Brian Kerr – Justice of the Supreme Court of UK and former Lord Chief Justice of Northern Ireland
- John Larkin QC – Attorney General for Northern Ireland
- Mary McAleese – Former Irish President
- Lord Eames – Former Anglican Archbishop of Armagh and Primate of All Ireland
- Anthony Watson, CBE, Bencher at Lincoln's Inn
- Zoe Salmon – Former Miss Northern Ireland and TV presenter
- Sonia Mac – Cool FM radio DJ
- Carolyn Stewart – U105 Presenter
- Wendy Austin – Radio and Television Broadcaster

## Further Study

Further study is also an option open to Law graduates. Students can choose to progress to a vocational course (Solicitor or Barrister course) or can choose from a wide range of Master's programmes as well as a comprehensive list of research topics (see the Law School website).



**13TH IN THE UK FOR LAW**  
(Guardian University Guide 2018)



“Being a student at Queen's is, without doubt, the best decision I have made. The teaching, access to world-class academics and personal relationships you are able to develop with those at the top of their respective fields is unrivalled. The University has immensely aided my career aspirations and given me access to employers that wouldn't be possible anywhere else.”

Cal Girvan, LLB Law with Politics

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Kevin Brown,  
Programme Director for LLB pathways  
School of Law

e: [k.brown@qub.ac.uk](mailto:k.brown@qub.ac.uk)  
t: +44 (0)28 9097 3858  
w: [qub.ac.uk/law](http://qub.ac.uk/law)

# LIBERAL ARTS

Liberal Arts at Queen's builds on the diverse disciplinary strengths of the Faculty of Arts, Humanities and Social Sciences. Our extraordinary heritage – epitomised by globally-esteemed writers such as Nobel Laureate Seamus Heaney and T.S. Eliot Prize recipients Paul Muldoon and Ciaran Carson, today includes the Brian Friel Theatre and Centre for Theatre Research, The Seamus Heaney Centre for Poetry and the Senator George J Mitchell Institute for Global Peace, Security and Justice.

## COURSE CONTENT

### Stage 1

Students take six modules: Understanding Now; one interdisciplinary module; two modules from their pathway; and a further two optional modules. The list of optional modules will, subject to relevant A-level or equivalent prerequisites (eg for Language and Music modules) comprise all interdisciplinary and pathway modules and other modules offered as part of the Single Honours programmes in pathway subjects.

Please note that the precise modules offered as options may vary from year to year.

### Stage 2

Students take: Uses of the Past; one interdisciplinary module; three modules from their pathway; and a further optional module. In addition they will take a Placement preparation module ahead of the Stage 3 Placement module.

### Stage 3

Students take: Arts and Humanities in Contemporary Society; the Placement module; and one module from their pathway in Semester 1. Semester 2 is spent studying abroad at one of our international university partners.

### Stage 4

Students take: Incorrigibly Plural; the Dissertation module; and a minimum of one module in their pathway with two further modules either from their pathway or from optional modules. The pathway and optional modules will be drawn from the taught modules offered on the relevant MA programme(s).

## Study Abroad Opportunities

Students have global opportunities on the Erasmus programme (at a range of European universities) or at one of a number of Queen's partner institutions across the world.

## Master's Degree Modules

Enhanced learning opportunities with multidisciplinary postgraduate modules available in the fourth year.

## WHY QUEEN'S?

### Placement Opportunities

Students have placement opportunities with leading regional, UK and international employers in both the public and private sectors, eg PwC.

### Master Your Leadership

Exclusive access to The Graduate School programme 'Enhancing Leadership and Personal Development Skills'.

### Master's Degree Modules

Advance opportunity to study postgraduate modules in the fourth year. Multidisciplinary and interdisciplinary modules with curriculum flexibility.

### Unique Speaker Series

Liberal Arts talks from local, UK and global industry leaders.

## MLibArts Honours

Liberal Arts 4 yrs (Y300)

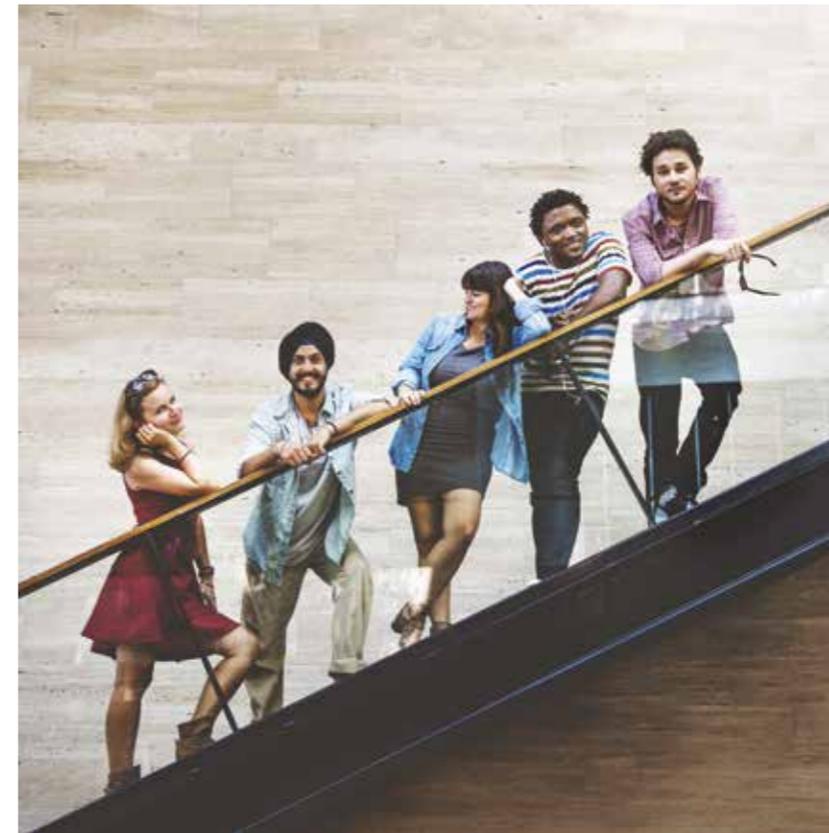
## Entrance Requirements

A-level:

AAA

For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



“Possessing an analytical approach to information, articulating informed opinions and having a passion for what you do can make the transition from library to the office more manageable and equip you with all the necessary tools to progress. I loved studying History and Politics and was extremely fortunate and privileged to have some incredible moments as a Queen's student outside of my academic studies too. My degree assisted me greatly and since leaving Queen's, I have been privileged to live and work in Korea, England and now the US.”

Stewart Cherry  
BA History and Politics.  
Senior Vice- President in New York at  
Oliver James, a global recruitment specialist.

## CAREERS/FURTHER STUDY

Queen's graduates enjoy successful careers in publishing, public relations, advertising, journalism, broadcasting, law, theatre, management consultancy, the diplomatic service, tourism, policy analysis, charities and non-government organisations.

They include two Nobel Laureates – Seamus Heaney for poetry and David Trimble for his contribution to the Northern Ireland peace process.

Other notable alumni include Mike Brown (Commissioner of Transport for London); Stephen Rea (actor); Lucia McAnespie (actor, RADA-trained); Paul Muldoon (academic and poet); Cat Barter (actor and singer trained in the Royal Academy of Music); Anne Kelly (journalist and writer); Des Kennedy (theatre director, Royal Court Theatre); Annie Mac (radio presenter); Stephen Agnew (Green Party Leader); Marcella Walsh (singer, Scottish Opera).

Further study is also an option open to our graduates. Students can choose from a wide range of taught Master's programmes as well as the MRes in Arts and Humanities.

See the School's website for further information.

Studying for a Liberal Arts degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates from this degree at Queen's are in demand by local, national and international employers. With over half of all graduate jobs now attracting graduates of any discipline, employers value the initiative, imagination, creativity and independence of thought fostered by the Liberal Arts degree. These are high-achieving graduates, with a diverse and multidisciplinary skill-set, who are attuned to the demands of twenty-first-century society, and can provide flexible and innovative responses to global challenges.

**Entrance requirements**  
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t: +44 (0)28 9097 3838

**Course information**  
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# MARINE BIOLOGY

“The oceans are a key element for the existence of life on Earth. 97% of all the water on Earth, and 99% of the habitable space on this planet, is in the ocean” (source: NASA)

Marine Biology is the interdisciplinary study of life in the ocean. At the present time, the position of Marine Biology graduates has never been as critical to the functioning of our society, economy and environment. Complex issues such as overfishing, pollution and climate change are colliding to bring about extraordinary and sometimes catastrophic changes in marine systems. As a Marine Biologist you will apply cutting-edge technologies to help tackle these issues on a scale from molecules to ecosystems.

With regards to marine resources management, the UK’s territorial waters stretch over 6.8 million km<sup>2</sup> (over 14 times the terrestrial landmass) and within this vast area lies the blue economy: marine renewable energy; oil, gas, fish, minerals and rare earth metals. To manage these resources in a sustainable manner requires assessment and guidance from highly skilled marine biologists.

Within this context, the Marine Biology degree at Queen’s is based on a research-led teaching format and will prepare students for a future in a diverse range of careers including marine conservation, environmental consultancy, documentary filmmaking, wildlife tourism, fisheries management and academic study.

## COURSE CONTENT

You will be taught by a team of international researchers with diverse expertise ranging from marine microbes (that constitute 50 per cent of the biomass in the oceans) through to hydrothermal vents and the migration of oceanic megafauna. With an exceptional staff to student ratio of 1:3, we have the opportunity to personalise your education via small group tutorials and help guide you towards your career goals.

The course content is designed to blend strong training in marine biology with core skills in the biosciences ranging from physiology and genetics through to conservation biology and global climate change. This broad-based approach allows graduates to explore a range of career opportunities within the biological sciences, as well as within the field of Marine Biology. This taught content is complemented by an exceptional array of extracurricular activities

aimed at building your employability; from work-shadowing marine PhD students from Stage 1 of your degree through to dedicated skills-development workshops at our marine laboratory including boat-handling, satellite tracking and underwater video technology.

The modules are:

### Stage 1

- Biodiversity (with field course)
- Molecular Basis of Life
- The World of Microorganisms

Stage 1 gives a broad base in the biological sciences on which to build Stage 2 and Stage 3 studies. This module combination provides students, who may be undecided as to their final specialist degree area, with considerable flexibility as they enter Stage 2; at this stage students enrolled in Marine Biology can move into Zoology or Biological Sciences and vice versa.

## BSc Honours

Marine Biology 3 yrs (C160)

Marine Biology with Professional Studies 4-yr SW (C164)

## MSci Honours

Marine Biology 4 yrs (C162)

Marine Biology with Professional Studies 5-yr SW (C165)

See also Biochemistry, Biological Science, Microbiology and Zoology

## Entrance Requirements

### BSc

#### A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

ABB including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### MSci

#### A-level:

AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for the MSci, both at initial offer-making stage and when results are received.

**Note:** it would be an advantage to have studied Chemistry beyond GCSE level.

**Option to Transfer:** transfers between BSc and MSci may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Stage 2

- Coastal and Oceanic Biology (with field course)
- Animal Biology and Physiology
- Applied Ecology (with field course)
- Work Placement or Cell Biology
- Applied Genetics

## Work Placement

- Marine Biology students can complete a 16-week degree-related work placement
- Marine Biology with Professional Studies students will complete a one-year, degree-related work placement

Recent students have gained placements working on marine mammals, fisheries management and molecular ecology (for example) at international laboratories in Spain, the Netherlands, and Slovenia as well as across the island of Ireland and GB.

## Stage 3

- Future Oceans (with research cruise)
- Conservation Biology
- Global Change Biology
- Animal Behaviour
- Research Project (BSc programmes only)



During their final year, students undertake a two-module research project carried out under the supervision of one or more members of academic staff. The project generally involves practical work carried out in the field and/or at the Marine Laboratory, in one of the many active areas of marine research in the School.

## Stage 4 (MSci Students only)

- Research Project

## WHY QUEEN’S?

### Dedicated Marine Laboratory

In addition to the state-of-the-art teaching facilities on the main campus, the Queen’s Marine Laboratory is on the shores of one of the most protected areas in Europe, Strangford Lough. During your degree, you will take two residential field courses at the marine lab to study marine ecosystems up close using our array of aquaria, boats and shore-based facilities.

### Exceptional Marine Life

Around the island of Ireland we have some of the most spectacular marine wildlife in Europe including six-gill, blue and basking sharks, bluefin tuna, more than 20 species of marine mammals (from otters to blue whales), maerl beds and deep-water coral reefs. Access to such species makes Queen’s one of the best located universities for the study of Marine Biology.

### Accreditation and Extracurricular Activities

Beyond the taught degree, all Marine Biology students have the opportunity to gain professional boating qualifications (eg Survival at Sea, Powerboat Level II) that increase their employability both within and outside of academia. Students are also encouraged to seek Degree Plus accreditation which showcases their extra-curricular marine experiences gathered during their degrees (via work shadowing PhD students from the start of their degree, through to activities run by the Queen’s Marine Biology Society).

## CAREERS/FURTHER STUDY

An Honours degree in Marine Biology offers comprehensive training in one of the most popular environmental disciplines, and good graduates move on to pursue diverse careers at home and abroad.

Many recent graduates have secured MSc and PhD positions at leading universities in the UK, Republic of Ireland and overseas whilst others work in secondary education or for conservation organisations and government environmental agencies. The experience that you gain from applying the scientific approach to living organisms, solving numerical and practical problems, developing written and oral communication skills and using a wide range of sophisticated equipment will also help you to find employment in a variety of non-biological careers.

Many employers are looking for graduates in any scientific discipline, provided they show academic confidence, the ability to communicate, handle quantitative data and solve problems, and have good social skills, a wide range of interests and a record of success. We believe that studying Marine Biology at Queen’s will enable you to acquire and develop these qualities.

### Further Study

Further study is also an option open to Marine Biology graduates. Students can choose from a wide range of Master’s programmes as well as a comprehensive list of research topics as shown on the University website.

“The aspects of my degree I really enjoyed were the practicals, small class sizes, personal attention from teaching staff and lots of fieldwork.”

Dawn Diamond,  
Marine Biology Graduate, 2015

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Jonathan Houghton  
Programme Co-ordinator  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# MATHEMATICAL STUDIES

Mathematics is the universal language of science, and a beautiful subject in itself. Mathematics also has important applications in industry and commerce, and well-qualified mathematicians and statisticians are in great demand with a wide choice of careers, making mathematics an excellent choice as a degree subject.

Mathematical Studies at Queen's encompasses three subject areas:

- Applied Mathematics
- Pure Mathematics
- Statistics and Operational Research (SOR)

In each, the ideas that have been encountered at school are extended and new areas are introduced. It is important to appreciate that what may be understood as either pure or applied mathematics from school experience will differ from the University experience. For this reason, amongst others, mathematics students will study both pure and applied mathematics in the first year, with statistics being a likely third component.

Queen's offers several different degree programmes involving mathematics, and two types of degree within these programmes – the three-year BSc and the four-year MSci.

## BSc

### Mathematics

This degree offers the greatest flexibility and choice among the three subject areas, as well as the opportunity to transfer to more specialised pathways at a later stage.

### Mathematics and Computer Science

This is a joint degree which combines these two subject areas.

### Mathematics and Statistics and Operational Research

This degree contains more emphasis on statistics and operational research.

### Mathematics with Extended Studies in Europe

This degree is designed for students with an interest in French or Spanish. After two years at Queen's, students spend one year abroad studying mathematics in their chosen language before returning to Queen's for their final year.

### Mathematics with Finance

Compared with other mathematics degrees that allow a wide choice of modules, this degree is much more focused and provides students with a particular set of mathematical skills that are ideal for work in the financial services technology sector, as well as in software engineering.

### Theoretical Physics and Applied Mathematics with Physics

These degrees are especially suitable for those wishing to study both mathematics and physics. The former is focused on the mathematical aspects of physics, while the latter is a joint degree with a wider choice of modules.

## MSci

These four-year undergraduate degrees can be seen as extended versions of the three-year BSc Honours degrees, and are aimed primarily at students who intend to make significant use of their subject in their future careers, or who simply wish to broaden their understanding of mathematics.

## BSc Honours

Applied Mathematics and Physics\* 3 yrs (GF13)

Mathematics 3 yrs (G100)

Mathematics and Computer Science 3 yrs (GG41)

Mathematics and Statistics and Operational Research 3 yrs (GG13)

Mathematics with Extended Studies in Europe 4 yrs (G104)

Mathematics with Finance 3 yrs (G1N3)

Theoretical Physics\* 3 yrs (F340)

## MSci Honours

Applied Mathematics and Physics\* 4 yrs (GFC3)

Mathematics 4 yrs (G103)

Mathematics and Computer Science 4 yrs (GGK1)

Mathematics and Statistics and Operational Research 4 yrs (GGC3)

Theoretical Physics\* 4 yrs (F344)

## Entrance Requirements

### BSc options

#### A-level:

ABB including Mathematics grade A

\*For degrees marked with an asterisk this must include A-level Physics grade B or better.

### BSc Mathematics with Extended Studies in Europe

#### A-level:

ABB including Mathematics grade A.

**For French option:** A-level French grade B.

**For Spanish option:** A-level Spanish grade B.

### BSc Mathematics with Finance

#### A-level:

A\* (Mathematics) BB

OR

AAB including Mathematics grade A.

### MSci options

#### A-level:

AAA including Mathematics

OR

A\* (Mathematics) AB.

\*For degrees marked with an asterisk this must include A-level Physics.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

The following MSci degrees are available:

- Applied Mathematics and Physics
- Mathematics
- Mathematics and Computer Science
- Mathematics and Statistics and Operational Research
- Theoretical Physics

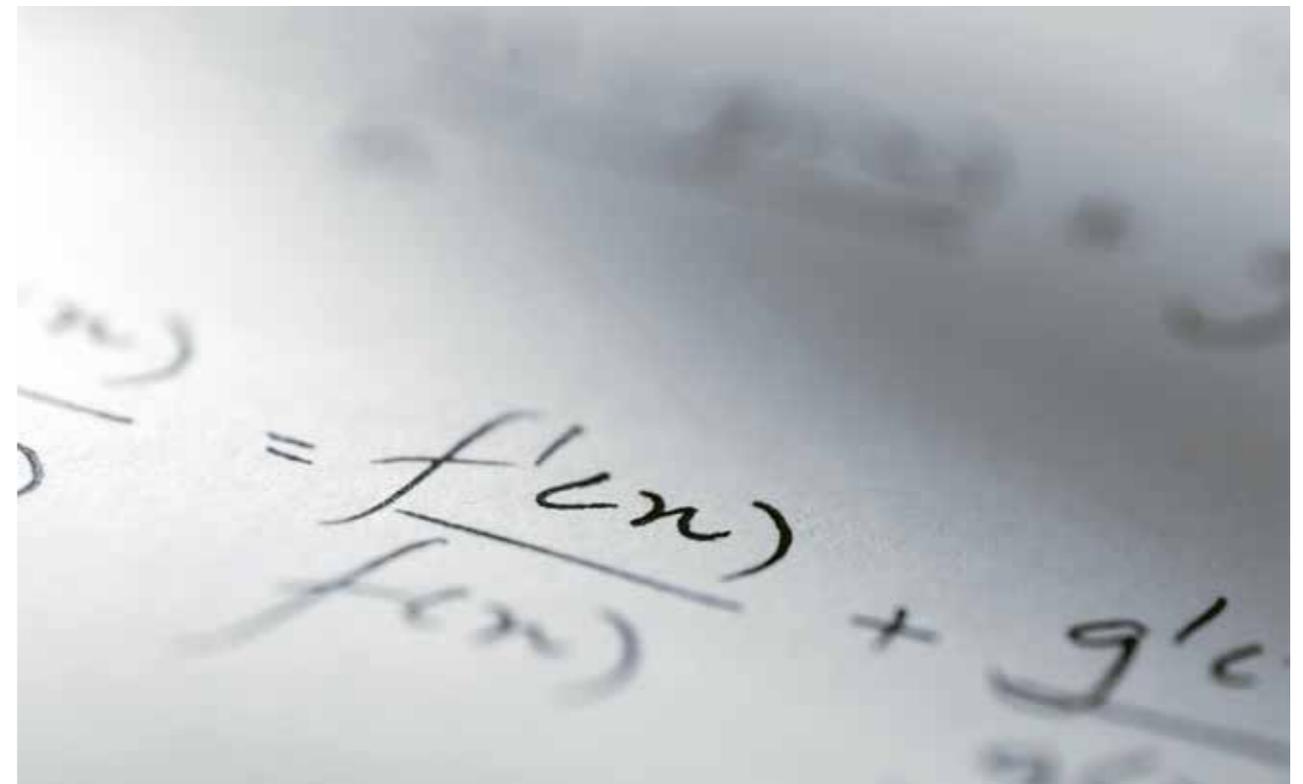
Students may register for either the three-year BSc or the four-year MSci degree. Transfers to the MSci are permitted up to the end of Stage 2, subject to performance. Progress to Stages 3 and 4 of the MSci is dependent on the student maintaining an approved high standard at earlier stages.

**Mathematics at Queen's is ranked 11th in the UK.**

(Guardian University Guide 2018)

## COURSE CONTENT

The mathematics programmes at Queen's offer students the opportunity to tailor their studies to their mathematical interests. We offer a range of modules across the main areas of mathematics: pure mathematics, applied mathematics and statistics and operational research. Pure Mathematics provides the essential tools used in the increasingly numerate science of today, and is continually developing new ones to solve problems at the forefront of research in many disciplines. Applied Mathematics is concerned with the application of Mathematics to the study of the physical universe, including theoretical physics, as well as the social, industrial and commercial world. Statistics is concerned with deriving sound inferences from data. This may be experimental or observational and obtained from investigations of physical or biological phenomena or from the study of the workings of industry, commerce and society. In all areas, computers are used to obtain accurate numerical solutions to the mathematical problems involved.



# MATHEMATICAL STUDIES

The first year, and a sizeable fraction of the second year, of the studies is devoted to core mathematics knowledge. During the second, third and (for MSci students) fourth year, students can choose from a wide range of optional modules. BSc students will carry out an investigation in their third year to gain insight into the practical application of mathematics within a particular context. MSci students will carry out an extended investigation in their fourth year to gain experience of mathematics at the forefront of research.

## Level 1

In the first year of study, most students choose to take the six modules on offer within mathematics:

- Calculus and Analysis
- Numbers, Vectors and Matrices
- Introduction to Statistics and Operational Research
- Mathematical Modelling
- Mathematical Reasoning
- Methods of Statistics and Operational Research

Students on Joint pathways (Physics/Computer Science/Finance) will combine a specific selection of these modules with modules taken from the respective department.

The modules at Level 1 lay the foundation for the future study of mathematics, and, through the Mathematical Modelling and Reasoning modules, and the SOR methods module, will also provide insight into how mathematical methods and thinking relate to real problems.

## Level 2

Level 2 completes the mathematical foundations with three core modules for most mathematics students:

- Linear Algebra and Complex Analysis
- Introduction to Partial Differential Equations
- Analysis

Students can take three optional modules from the following list to start the personalisation of their mathematics study:

- Classical Mechanics
- Elementary Number Theory
- Fluid Mechanics
- Graph Theory
- Group Theory
- Linear Models
- Methods of Operational Research
- Numerical Analysis
- Statistical Inference

Students on joint pathways will take at least two modules outside mathematics, and the Analysis module is not compulsory.

## Level 3

At this level, the BSc and MSci pathways separate. BSc students take a project module and at least one other module that assists with the development of skills relevant to their chosen programme. For mathematics students, this module is Computer Algebra. MSci students take on an investigations module, which develops the research skills needed for the extended Level 4 investigation. In addition, students have the opportunity to develop their understanding of a wide range of mathematical topics, ranging from data mining and financial mathematics to quantum mechanics and algebraic equations.

Module topics include:

- Algebraic Equations
- Calculus of Variations and Hamiltonian Mechanics
- Computer Algebra
- Electromagnetic Theory
- Elementary Number Theory
- Financial Mathematics
- Graph Theory
- Investigations (in Pure or Applied Mathematics)
- Linear and Dynamic Programming
- Mathematical Modelling in Biology and Medicine
- Metric and Normed Spaces
- Partial Differential Equations
- Quantum Theory
- Ring Theory
- Set Theory
- Statistical Data Mining
- Stochastic Processes
- Tensor Field Theory

Students on the Joint programmes with Physics and Computer Science will take a selection of modules from both Mathematics and the Joint programme. Mathematics with Finance students will take a selection of modules of relevance to finance from the list above and several modules specially tailored to employment in the financial sector.

## Level 4

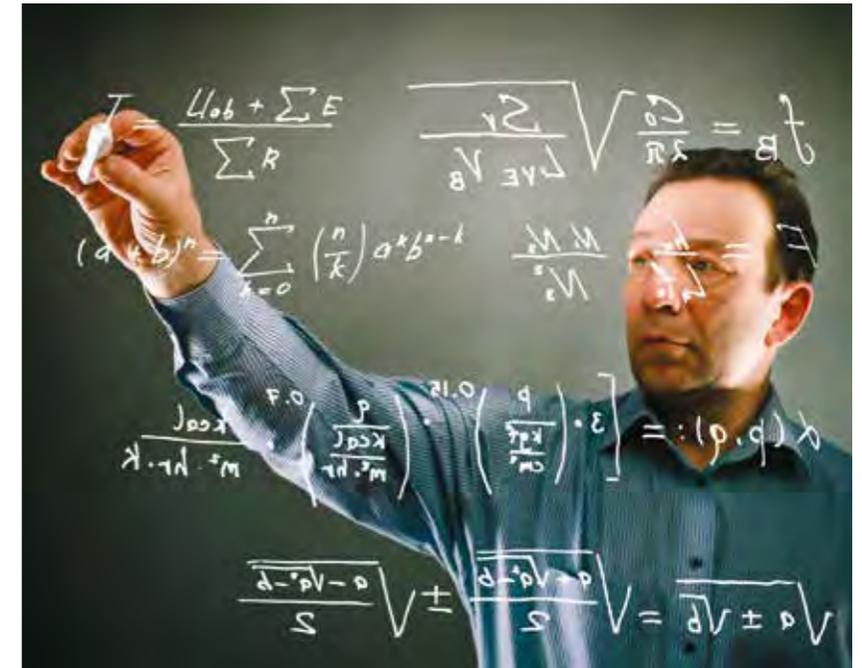
The Level 4 modules open to MSci students offer the opportunity to study a selection of topics in greater depth than is possible in the BSc programme. The centrepiece of the fourth year is the double-weighted investigations module, in which a student has the opportunity to study an aspect of mathematics close to the frontier of knowledge.

Modules include:

- Advanced Mathematical Methods
- Advanced Quantum Theory
- Algebraic Equations
- Algebraic Topology
- Applied Mathematics Project
- Functional Analysis
- Information Theory
- Integration Theory
- Mathematical Methods for Quantum Information
- Practical Methods for Partial Differential Equations
- Pure Mathematics Project
- Rings and Modules
- Statistical Mechanics
- Survival Analysis
- Topology

“I am a very logical person, and being able to find a solution to a problem is important to me. Mathematics is this type of subject. Studying mathematics teaches you vital skills such as critical thinking and problem solving, and these skills are really sought after by employers. If I were to do it again, I would study the same degree without doubt!”

Pádraic Sheerin,  
Northern Ireland,  
Vice President of Data Science  
(Prudential/Pramerica)  
BSc Mathematics and Statistics and  
Operational Research Graduate (2008)



“A maths degree opens up so many career opportunities; the analytical, logical and problem-solving skills developed throughout the degree are exactly what employers are looking for.”

Roisin Mackle,  
BSc Mathematics and Statistics and Operational Research Graduate (2012)  
Business Operations Analyst, Euroclear

## WHY QUEEN'S?

Choice and Flexibility: the combination of expertise in Applied Mathematics, Pure Mathematics, and Statistics and Operational Research, enables the School of Mathematics and Physics to deliver a wide range of degree programmes offering the opportunity to take a Mathematics degree and specialise in pure or applied mathematics, or put more emphasis on statistics and operational research. The combination with expertise in physics within the School allows students to choose fully integrated Joint degrees with physics which place more emphasis on either experimental or theoretical aspects of the subject.

An exciting development is the new School Teaching Centre for Mathematics and Physics, which opened in September 2016, providing a home for undergraduate students within the School.

## CAREERS/FURTHER STUDY

Studying for a Mathematics degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including Mathematics. Although many of our graduates pursue careers in teaching, banking and finance, a significant number develop careers in a wide range of other sectors including management consultancy, export marketing and fast-stream Civil Service. There is also a wide variety of postgraduate studies available to Mathematics graduates; see the School website for further information.

“At Queen's there is a large choice of modules available, so you are able to customise your degree path to what you want to study. The lecturers in the department are extremely kind and helpful, and always give their best in trying to help you if you have a problem, regardless of the nature of it.”

Matthew Young,  
Carrickfergus, Northern Ireland  
MSci Mathematics Graduate (2012),  
PhD student at Queen's

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Mathematics Admissions  
Co-ordinator  
School of Mathematics and Physics

e: [mpts@qub.ac.uk](mailto:mpts@qub.ac.uk)  
t: +44 (0)28 9097 1900  
w: [qub.ac.uk/mp](http://qub.ac.uk/mp)

# MECHANICAL ENGINEERING

Mechanical Engineering is often associated with large machines such as motorcycles, Formula 1 cars or aircraft, but virtually all man-made products have mechanical features that are designed and developed by mechanical engineers.

It is the broadest of the engineering professions as it is not linked to a specific industry. Its graduates have some of the most challenging, rewarding and diverse career opportunities of any discipline. These range from designing the latest vehicles and developing new sustainable forms of materials, through to the search for alternative energy sources and the exploitation of nanotechnology.

## COURSE CONTENT

### Stage 1

Students are introduced to core mechanical engineering principles. They also undertake a team-based project, designed to introduce them to the concept of professional engineering practice. This is supported through modules in engineering design and a dedicated laboratory programme.

### Stage 2

Stage 2 builds on the knowledge gained in Stage 1 with a series of more advanced engineering science subjects including dynamics, thermodynamics and fluid mechanics, and mechanics of materials.

Mathematics and computing focuses on their application to engineering, while modules in Technology Design and Manufacturing provide hands-on practical experience of manufacturing processes and computer-aided design. Students are also introduced to the legal aspects of engineering practice in the professional studies module, and are given the skills required for future work placements and careers in the employability module. BEng students who perform well during Stages 1 and 2 may be invited to transfer to the MEng at the end of Stage 2.

### Stage 3

Optional modules in the areas of energy, materials, manufacturing and computer-aided engineering in Stage 3 give students the opportunity to tailor courses and projects to their particular interests.

BEng students take core modules in engineering science and professional studies along with their chosen optional modules. They also complete a major individual project, which puts their engineering skills into practice in solving a technical problem.

MEng students expand their engineering knowledge through a range of core modules in engineering science and professional studies, along with their chosen optional modules. They also undertake a major group design project, working within teams to conceive, design, build and test an engineering product, enhancing mechanical design and engineering skills and developing professional, presentational and team-working skills.

### Stage 4

MEng students extend their knowledge of engineering applications through further optional modules in advanced core topics and in professional studies. The other major focus is the individual project, where students also apply their engineering skills to an area of cutting-edge technology. These projects are closely associated with industry and with the School's research interests.

## BEng Honours

Mechanical Engineering 3 yrs (H300)

Mechanical Engineering with a Year in Industry 4-yr SW (H304)

## MEng Honours

Mechanical Engineering 4 yrs (H303)

Mechanical Engineering with a Year in Industry 5-yr SW (H305)

See also Aerospace Engineering and Product Design Engineering

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

#### Higher National Diploma:

Those with good grades in a relevant Higher National Diploma will be considered on their individual merits for entry to Stage 2.

### MEng

#### A-level:

AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** applicants for the MEng degree will automatically be considered for admission to the BEng degree if they are not eligible for entry to the MEng degree both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BEng and MEng may be possible at the end of Stage 2.

#### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

**Accreditation:** these BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

**Placement/Study Abroad:** past students have gained work placements with organisations such as Airbus UK, Cummins Turbo Technologies, Lockheed Martin, Mercedes Benz High Performance Engines, Nacco Materials Handling Ltd, and Red Bull Technology Ltd.

Students also have the opportunity to work or study outside the UK through programmes such as IAESTE, Erasmus, Study Abroad and Study USA. In recent years, students have undertaken placements in companies in Argentina, Brazil, Canada, Finland, France, Japan, Malaysia and the USA.

**Industry Links:** the School has strong links with both local and international engineering employers, and has longstanding relationships with companies such as Bombardier, Caterpillar, ExxonMobil, Ford, Jaguar Land Rover, Lotus, McLaren F1, Michelin and Rolls Royce.

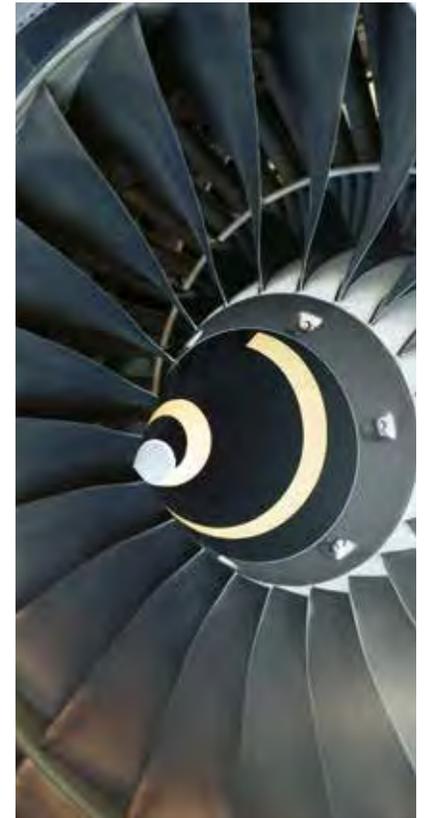
## CAREERS/FURTHER STUDY

The versatility of Mechanical Engineering graduates makes them well suited for a wide range of careers.

Graduates are greatly prized because of their high level of numeracy and analytical ability, their well-developed communication skills and their leadership potential. In contrast to other engineering disciplines they are more likely to progress to senior management roles and they can more easily exploit their skills in the wider commercial, financial or public sectors.

### Further Study

Further study is also an option – students can choose from a range of Master's programmes as well as apply to do a PhD from a comprehensive list of research topics; see the School website for further information.



**We put emphasis on hands-on, project-based learning and invest heavily in our state-of-the-art facilities and flexible project spaces to support this activity.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

The Director of Education  
School of Mechanical and  
Aerospace Engineering

e: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)  
T: +44 (0)28 9097 4117  
w: [qub.ac.uk/mechaero](http://qub.ac.uk/mechaero)

# MECHANICAL ENGINEERING (FD)

The majority of man-made products are mechanical or have mechanical parts, and mechanical engineers are to be found working in virtually every type of industry, on products as diverse as racing cars, jet engines, cruise ships, farm machinery, sports equipment and domestic appliances. Mechanical engineers therefore have very wide career opportunities and are employed because of their scientific knowledge, design expertise, problem-solving skills and business awareness.

The Foundation degree (FdEng) in Mechanical Engineering is a two-year degree offered by Belfast Metropolitan College in collaboration with Queen's University Belfast.

On completion of the Foundation degree, successful students can then choose to enrol at Stage 2 of a BEng Honours degree in either Mechanical Engineering, Aerospace Engineering or Product Design Engineering, and graduate after a further two years of study. Alternatively, they can progress directly into full-time employment in the design or mechanical/manufacturing industry.

## COURSE CONTENT

This Foundation degree, which takes two years to complete, starts with a comprehensive introduction to the discipline and a grounding in the mathematical skills needed by graduate engineers.

Scientific topics on which modern engineering is based are also covered, and there is an emphasis on both engineering practice and its real-world application. Design plays a prominent part in the degree, and students are taught how to interpret technical drawings and how to use professional CAD facilities.

A significant part of the curriculum is delivered through active learning, where students work on assignments and projects, both individually and in teams, and this is supported by the College's excellent workshops and laboratories.

In addition, students will undertake a period of relevant industrial work placement, which will assist in developing a sound understanding of the practical applications of some of the theoretical content. This forms a significant portion of the assessment and will be completed in the first semester of Year 2.

## WHY QUEEN'S?

**Progression:** the Foundation degree is designed to provide access to Queen's University for students who would not otherwise have the opportunity to enrol on the BEng Honours degree, and places are available to applicants with a wide range of qualifications.

**Access to University Facilities:** while Belfast Metropolitan College is responsible for delivering the degree, Foundation students are enrolled as students in both the College and the University and have all the main entitlements and access to the University's facilities as other undergraduate students at Queen's.

## FdEng (Foundation Degree)

Mechanical Engineering 2 yrs (H302)

Based at Belfast Metropolitan College

## Entrance Requirements

### A-level:

CC including Mathematics and at least one of Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design.

### BTEC Extended Diploma:

A relevant discipline, with a Merit or above in at least half of the units taken (relevant units will be specified) and Passes in the remaining units, plus GCSE English Language and Mathematics at grade C or above.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

After graduating with the FdEng in Mechanical Engineering, students will have acquired practical and theoretical knowledge and a wide range of skills. They will also have had the benefit of undertaking a major industrially-relevant project as part of the industrial placement. As a result, graduates will be in an excellent position to pursue careers in many of the areas where mechanical engineers are employed.

## Further Study

Further study by progression to a BEng degree in Mechanical, Aerospace or Product Design Engineering at Queen's will broaden students' options in terms of employment and create the opportunity for further progression through postgraduate study. For information on available Master's and research programmes, please see the School website.

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

The Director of Education  
School of Mechanical and  
Aerospace Engineering

e: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)  
t: +44 (0)28 9097 4117  
w: [qub.ac.uk/mechaero](http://qub.ac.uk/mechaero)

# MEDICINE

Queen's is an exciting place to study medicine with our students experiencing clinical practice in a variety of hospitals, general practices and healthcare settings throughout Northern Ireland from first year onwards.

The School of Medicine, Dentistry and Biomedical Sciences has close bonds with the Northern Ireland community as part of its educational, research and outreach programmes. Our 'Patients as Partners' make a valuable contribution to the education of medical students, through their participation in the selection of medical students to the programme, teaching sessions, as well as assessments.

Queen's is the only medical school in Northern Ireland and students are welcomed in all of the hospitals within the region and in approximately 150 general practices. Students benefit from the ease of access to high quality clinical teaching.

## COURSE CONTENT

Queen's medical degree is a five-year course with an initial systems-based approach. It is one of the few medical schools in the UK to teach students anatomy through cadaveric dissection and does so in an exciting new Dissection Suite.

Students are introduced to clinical work from the onset and by third year almost all teaching is in the clinical setting. Good communication and examination skills training is undertaken in the Clinical Skills Education Centre with our 'Patients as Partners' before students move to actual patient contact in the healthcare environment.

Students are supported to undertake an additional year of study should they wish to undertake an intercalated degree.

During the second semester of final year all students undertake an Assistantship module which aims to ensure that graduates have a smooth transition into their first Foundation post.

### Years 1 and 2

During the first two years of the degree you learn about the scientific basis of medical practice. You gain knowledge about each body system, focusing on the mechanisms

of cellular structure and function. You also study pathology, microbiology, therapeutics and genetics. Teaching of basic science subjects is integrated with clinical skills training which you acquire through clinical simulation and practice with patients.

### Year 3

The third year begins to take greater clinical focus. Classroom-based and clinical teaching takes place in each of the medical and surgical disciplines, which is integrated with therapeutic, pathological and microbiological principles relevant to clinical medical practice.

### Intercalated Degrees

At the end of second or third year, students may apply to take a year out of their medical degree to study for an intercalated degree. This extra research-focused year will lead to either a qualification at Bachelor or Master's level.

### Years 4 and 5

During the fourth and fifth years you gain further experience in a range of surgical and medical disciplines in primary and secondary care. Training in a range of specialities offers an opportunity for you to consolidate and advance your clinical skills and enhance your clinical and related knowledge, and participate more fully in delivery of care to patients in

## MB BCh BAO

Medicine (Bachelor of) 5 yrs (A100)

### Entrance Requirements

#### Interview:

All applicants will be ranked on cognitive performance, and a proportion selected for interview (Multi-mini interview). Interviews normally take place between January and March in Belfast for home and EU applicants. Staff from the Medical School visit South East Asia in late January/February to interview and international applicants from other countries are encouraged to travel to Belfast for interview, as they will benefit from a tour of the Medical School and the University.

#### UKCAT:

All applicants are required to sit the UK Clinical Aptitude Test (UKCAT) and the results achieved will be used as part of the selection process prior to interview. Further information on UKCAT is available at: [ukcat.ac.uk](http://ukcat.ac.uk).

#### A-level School Leavers:

AAA at A-level + A in a fourth AS-level subject including A-level Chemistry plus at least one other A-level from Biology/Human Biology, Mathematics or Physics. If not offered at A-level then Biology/Human Biology grade A as a 4th AS-level or grade B as a 5th AS-level. GCSE Mathematics minimum grade C and either GCSE Physics minimum grade C or GCSE Double Award Science minimum grades CC are required if these subjects are not offered at AS-level or A-level.

Grade A in the EPQ or Advanced Welsh Baccalaureate or a grade B in a 4th A-level will be acceptable in lieu of the 4th AS-level.

A maximum of either one Applied A-level or one Applied AS-level will be counted. Please also note that only one Mathematics subject will be counted at A-level (the other would be acceptable as the fourth AS-level). A-level Critical Thinking and both A-level and AS-level General are not acceptable.

In considering applications, GCSE performance in the best 9 subjects will be scored with 4 points awarded for an A\* (grades 8 and 9 on the new 9-1 grading scale) and 3 for an A (grade 7). Points are not awarded for B and C grades (grades 6, 5 and 4 in the new grading scale). For those who have not undertaken GCSE or equivalent level qualifications, then an academic score will be calculated on the basis of school reports.

UKCAT will be scored and used in conjunction with the GCSE score to rank for interview. AS-level performance, additional GCSE A grades and other factors may also be taken into account in borderline cases. Evidence of commitment to medicine, motivation, communication skills and initiative are important.

#### Graduates:

Applications from graduates or those in the final year of their degree are considered and the full academic background is taken into account. The minimum A-level threshold (or equivalent in other qualifications) is ABB at first attempt, ie prior to commencing degree studies, or BBB at the first attempt for those with a First Class Honours degree or PhD. Averaging out to these grades is not permitted. Applicants must have the appropriate science background at GCSE and AS-level/A-level or equivalent (see below) and at least a 2.1 Honours classification in their primary (first) degree, which can be from a wide range of different subjects. A-level Chemistry and at least one from A-level Biology/Human Biology, Mathematics or Physics, plus, if not offered at A-level, then Biology/ Human Biology to at least AS-level (or equivalent) are required. In addition, GCSE Mathematics minimum grade C and either GCSE Physics minimum grade C or GCSE Double Award Science minimum grades CC are required if these subjects are not offered at AS-level or A-level. Graduate applicants who fulfil these criteria are then scored with their UKCAT.

Graduate applicants from a non-science background but who fulfil the conditions in terms of grades achieved at the first attempt (ie in their original choice of A-level subjects) and degree performance will be considered if they undertake the appropriate Science qualifications on completion of their degree.

#### Transfers from other Medical Schools

Applications will only be considered in exceptional circumstances and entry will be to first year only. All normal entry requirements must be satisfied.

#### International Applicants

There are 26 places available for International students. Applicants are not scored (as above) and in considering applications a range of factors is taken into account including previous academic performance, predicted results (if applicable), UKCAT score, evidence of English Language ability, the Personal Statement and Reference.

For information on international qualification equivalents (eg the International Baccalaureate Diploma, USA/Canadian High School

Diplomas or Hong Kong Diploma in Secondary Education), please select your country in the International Students website.

#### For students whose first language is not English

An IELTS score of 7.5 overall, with a minimum of 7.0 in Speaking and Listening and 6.5 in Reading and Writing, or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

#### All Applicants

- All students admitted to this degree will be required to complete a Hepatitis B vaccination programme at the Occupational Health Service of the University.
- Medicine welcomes applications from people with disabilities. All applications will be treated on an individual case basis to ensure that the applicant has the potential to fulfil the demands of professional fitness to practise. Disability will not be considered as part of the selection process, however, it is strongly advised that applicants disclose their disability on their UCAS form and contact the School to obtain further advice. Applicants may also be required to provide relevant information which will be treated in the strictest of confidence. It is important that the University has an understanding of your support requirements to implement reasonable adjustments.
- As a result of current legislative requirements any offer made will be conditional on a satisfactory criminal history check (Access NI Enhanced Disclosure Check). To enable the University to request this check you will be required to provide some personal information which will be treated in the strictest of confidence and in line with Data Protection Principles. The current cost of an Enhanced Disclosure Check is £33. At the time of printing changes are due to be implemented and relevant procedures and/or costs may change. Applicants will be advised of the relevant requirements at the appropriate time. For international students, a Certificate of Good Conduct or equivalent will be required in lieu of an Access NI check. Additional checks may be required depending on the applicant's address history.
- The degree is subject to the University's regulations on Fitness to Practise.
- Applicants will be required to give permission for a check against the Excluded Student Database prior to offers being made. This is a national database which records those who have previously been excluded from professional programmes because of fitness to practise concerns.

- Selection criteria for Medicine are reviewed annually and therefore you should read the selection procedures which are available at [go.qub.ac.uk/ugstudy](http://go.qub.ac.uk/ugstudy), under 'Entrance Requirements and Selection Criteria' for further details and up-to-date information, prior to applying. This includes a pdf entitled 'How We Choose Our Students'.

More detailed information on applying to Medicine at Queen's is also available from the School website at: [qub.ac.uk/schools/mdbs](http://qub.ac.uk/schools/mdbs)

**Please note for 2019 entry the deadline for applications to this degree is 6.00pm on 15 October 2018 and arrangements should be made to undertake UKCAT in advance of this.**

supervised practice. In fifth year you have the opportunity to undertake an assistantship, during which you complete the range of tasks undertaken by a Foundation Doctor. Teaching and learning in ethics, communication, teamwork, and related behavioural science is embedded throughout the curriculum.

## WHY QUEEN'S?

### Professional Accreditation

The award of the MB BCh BAO degree means that you are eligible to apply for provisional registration with the General Medical Council.

### Global Opportunities

Students undertake an Elective module at the start of Year 5. Many students take this opportunity to travel abroad to work in a different medical environment. Students often choose destinations in Australia, India, Canada, and several countries in Africa. In addition, opportunities in Year 4 to study in Sweden, Italy, Spain and other European countries are available through the Erasmus programme.

### Additional Opportunities – Intercalation

Currently about 25 per cent of medical students decide to undertake an intercalated degree during their undergraduate training. Whilst some work towards a BSc (taking a year out of the medical programme between years 2 and 3), others, after completion of Year 3 of the medical course, enrol on a taught Master's course. Those presently available within the School include the Master of Public Health (MPH), MPH in Global Health, MSc(Res)in Cancer Medicine, MSc (Res) in Oncology Drug Discovery, MSc in Experimental Medicine, MSc in Bioinformatics and Computational Genomics, MSc in Clinical Anatomy and the MSc in Molecular Pathology of Cancer.

# MEDICINE

## World-Class Facilities

Medical students at Queen's have access to excellent teaching facilities and a dedicated medical library. Two of the city's teaching hospitals and several University Research Centres are located close to the University's Health Sciences Campus.

## Internationally Renowned Experts

Many of our former graduates have risen to the top of their fields and include many famous figures – one particularly notable graduate of Queen's medical school was Professor Frank Pantridge, dubbed the 'father of emergency medicine' and inventor of the portable defibrillator.

## Student Experience

Queen's Medicine student satisfaction rate is 93 per cent, ranked joint 7th in the UK (National Student Survey, 2017). Many students are involved in the several medical-based societies at Queen's, including BMSA, Scrubs, Medsin and SWOT. In addition, the University has over 200 clubs and societies run by students, offering the opportunity to medical students to develop their interests and explore new activities.

## CAREERS/FURTHER STUDY

At the end of the undergraduate course you will receive your MB BCH BAO degree, which is a primary medical qualification

(PMQ). Holding a PMQ entitles you to apply for provisional registration with the General Medical Council. 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.

On successful completion of the first year of this training period you become a fully registered doctor; however, whichever branch of medicine you intend to pursue, you will be required to undertake further training. For example, to enter General Practice you will require a further three years' training. To become a hospital consultant you may require a further seven years of specialty training. Further information about postgraduate training is available from the General Medical Council website: [gmc-uk.org](http://gmc-uk.org)

Career outcomes include:

- Consultant working in a hospital (eg Surgery, General Medicine, Pathology, Biochemistry, Dermatology, Microbiology, ENT, Paediatrics, Obstetrics and Gynaecology, Anaesthetics and Oncology)
- General Practitioner
- Academic Clinician
- Consultant in Public Health Medicine

The NI Medical and Dental Training Agency has close links with the School and provides guidance on careers and the Foundation Programme Application System.

"Studying medicine at Queen's is so interesting and rewarding. The teaching staff are excellent and the facilities, such as the Clinical Skills Education Centre, are exceptional. I particularly enjoy my GP and hospital attachments, engaging with patients and putting theory into practice. I would encourage you, as a prospective medical student, to choose Queen's. A welcoming university and a great place to make friends, Queen's has provided me with many wonderful opportunities both academic and extracurricular."

Anna Cullen, Belfast, Northern Ireland  
5th year Medicine student

"Queen's set me on a road to a long academic career in medical research, medical journal editing, and medical humour writing which led to a second career as a best-selling novelist. I'd recommend Queen's for its stellar reputation for medical research."

Patrick Taylor, retired medical researcher and best-selling novelist



### Entrance requirements

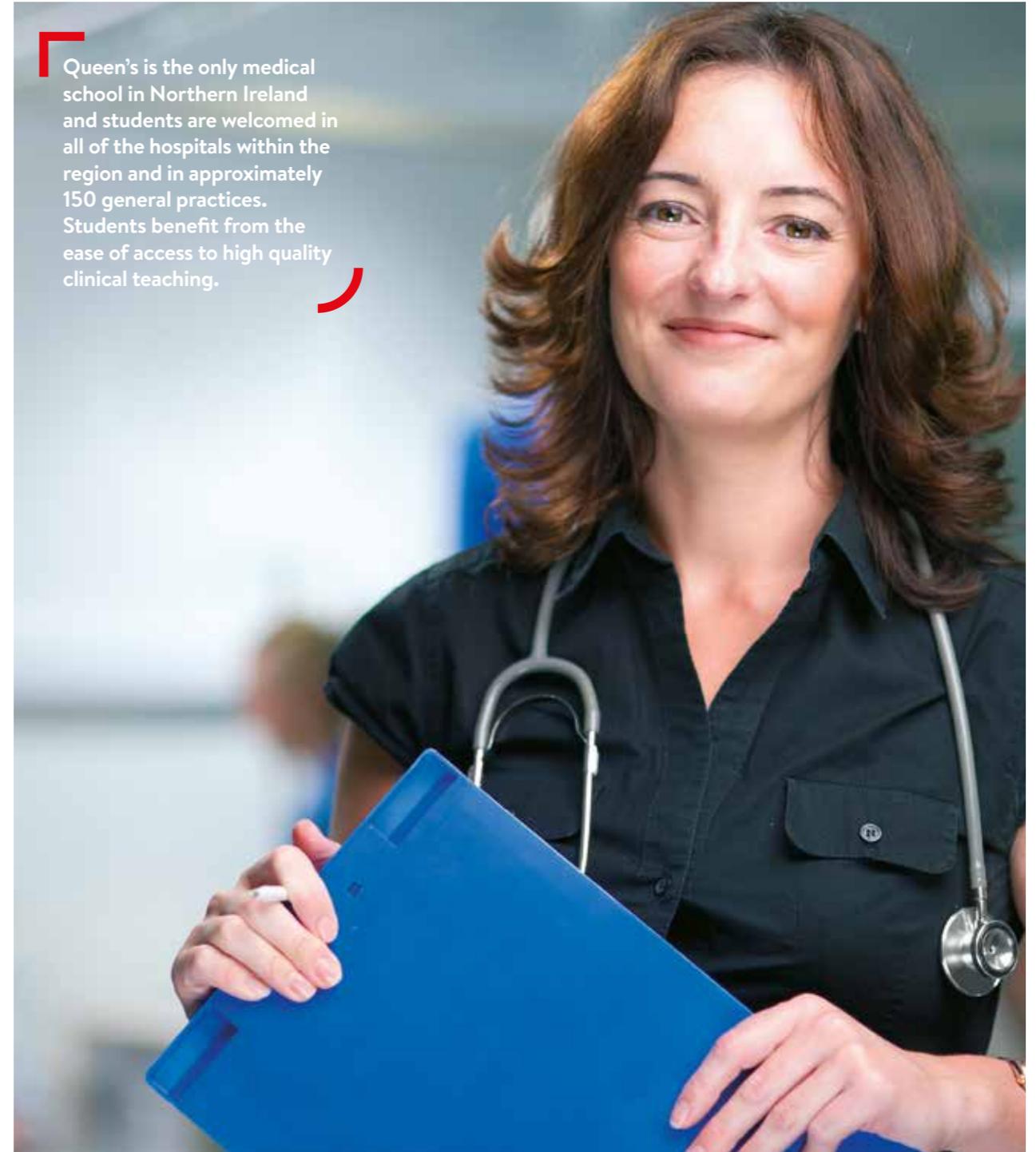
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Centre for Medical Education,  
School of Medicine, Dentistry and  
Biomedical Sciences  
Queen's University Belfast

e: [medicaled@qub.ac.uk](mailto:medicaled@qub.ac.uk)  
T: +44 (0)28 9097 2450  
w: [qub.ac.uk/medicine](http://qub.ac.uk/medicine)

Queen's is the only medical school in Northern Ireland and students are welcomed in all of the hospitals within the region and in approximately 150 general practices. Students benefit from the ease of access to high quality clinical teaching.



# MICROBIOLOGY

Microbiology is the study of bacteria, fungi, algae, protozoa and viruses, and is of immense importance in relation to the environment, agriculture and food, biomedical sciences and biotechnology. Graduates in Microbiology are therefore highly sought after in these fields. Microbiology is very central to many aspects of the biological sciences, from pure research to diverse industrial, medical and environmental applications.

Microorganisms play major roles in the diseases of man, animals and plants. Microbiologists have been central to their diagnosis and in combating such diseases through the discovery of effective therapies.

Microorganisms also play a central role in the biosphere, through global environmental processes and recycling of elements and waste products.

In biotechnology and synthetic biology, microbes are also crucial in the manufacture of beverages, pharmaceuticals, biofuels and many other useful products.

## COURSE CONTENT

Microbiology provides fundamental training in data analysis, problem solving, teamwork and communication. Microbiologists can use these skills in a wide range of careers in research, medicine, industry, education, business and communications, or as a route to further study.

The modules are:

### Stage 1

- Molecular Basis of Life
- Basic Chemistry 1 (optional)
- Structure, Reactivity and Mechanism in Organic and Bioorganic Chemistry (optional)
- The World of Microorganisms
- Biodiversity (optional)

### Stage 2

- Experimental Biochemistry
- Cell Biology 2
- Molecular Biology and Bioinformatics
- Microbes in Action

**94% of Queen's Microbiology students are satisfied with their course, ranking us joint 3rd in the UK.**

(National Student Survey 2017)

## Work Placement

- Microbiology students can complete a 16-week degree-related work placement
- Microbiology with Professional Studies students will complete a one-year, degree-related work placement

### Stage 3

- Industrial Microbiology (optional)
- Immunology (optional)
- Parasitology and Zoonoses
- Bacterial Genetics and Genetic Manipulation
- Research Project (BSc programmes only)

### Stage 4 (MSci Students only)

- Research Project

## WHY QUEEN'S?

### Professional Accreditation

The Microbiology degrees follow the National Subject Profile for Higher Education Programmes in Microbiology as published by the Centre for Bioscience (Higher Education Academy). The degrees also adhere to the core curriculum in Microbiology as described by the American Society of Microbiology.

The combination of modules provided in part fulfils many of the requirements for accreditation by the Institute

## BSc Honours

Microbiology 3 yrs (C500)

Microbiology with Professional Studies 4-yr SW (C504)

## MSci

Honours Microbiology 4 yrs (C502)

Microbiology with Professional Studies 5-yr SW (C505)

See also Biochemistry, Biological Science, Marine Biology and Zoology

## Entrance Requirements

### BSc

#### A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR

BBB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR

ABB including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C.

### MSci

#### A-level:

AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR

AAB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR

AAA including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for entry to the MSci, both at initial offer-making stage and when results are received.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

of Biomedical Sciences in the UK. Accreditation may be achieved through some additional postgraduate training.

Our degrees are highly regarded – scoring 94 per cent in the most recent National Student Survey (2017).

### Work Placement

Work placements on these programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

Past students have gained work placement with organisations such as Northern Ireland Water Ltd, the Northern Ireland Environment Agency, the Forensic Service, the NHS, Norbrook Laboratories, Randox Laboratories, the Almac Group, and Moy Park.

## CAREERS/FURTHER STUDY

Microbiology is an interdisciplinary subject with key links to the other Biological Sciences, Biochemistry, Chemistry, Environmental Engineering and Medicine. Graduates are qualified to take up both scientific and non-scientific careers. Many job opportunities are available in biomedical, industrial and government organisations, and in universities and colleges of higher education.

These jobs cover innovative research, the development of new products, advisory and consultancy work or teaching. All are aimed at improving the health, environment and economy of countries in both the developed and developing world. In particular, companies and organisations concerned with animal and plant health, food and beverage processing, water quality, environmental management,

pharmaceutical products and biotechnology require graduates in Microbiology.

As there is currently a shortage of microbiologists, job opportunities exist across a number of areas including:

- **Healthcare:** Microbiologists are essential in the fight against infectious diseases working in hospitals and Health Protection Laboratories. Here they diagnose infections, monitor treatments, develop vaccines, provide advice or track disease outbreaks.
- **Basic research:** In order to either solve the problems caused by microorganisms or exploit their capabilities fundamental research on their biochemistry and genetics is required. Many microbiologists work in universities and research institutes exploring the detailed workings of microbial cells.
- **Environment:** One of the greatest challenges currently facing society is that of climate change and environmental protection. Microbiologists are key players in the development of waste treatment technologies, recycling processes, pollution warning systems and in the production of green energy.
- **Agriculture:** Pest management is an essential component of modern agricultural practice. Microbiologists have key roles to play in the development of pest control systems and in the diagnosis and treatment of animal pathogens.
- **Business:** Microbiologists work in many bioscience and food companies, carrying out research, developing new products or carrying out quality control of manufacturing processes to ensure the microbiological safety of goods such as medicines, cosmetics, food, drink etc.
- **Outside the lab:** Many trained microbiologists never go on to work in the microbiology field; however, they can use their skills and knowledge to pursue careers in marketing, technical support, regulatory affairs, education, as patent attorneys, and in public relations, journalism and publishing.

### Employer Links

The School of Biological Sciences employs a dedicated careers adviser who has developed an extensive portfolio of employers, both nationally and internationally, within the science sector. Advice is also provided on CV preparation, interview techniques and securing summer work or longer placements. Students and graduates have secured placements and jobs with:

- Northern Ireland Water Ltd
- Environment Agency
- Forensic Service
- Moy Park
- Randox Laboratories
- Norbrook Laboratories Ltd
- The Almac Group
- Health Service

### Further Study

Further study is also an option open to Microbiology graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics as shown on the School website.

**Microbiology is of immense importance in relation to the environment, agriculture and food, biomedical sciences and biotechnology. This course at Queen's offers a unique opportunity for students to study Microbiology in the context of medicine, environmental protection and biotechnology. For those wishing to pursue a science career, the course will develop both their practical skills and knowledge base.**

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Professor Chris Allen  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)

# MIDWIFERY SCIENCES

This three-year degree programme integrates theory and practice, preparing students for an outstanding career in Midwifery. Students will spend 50 per cent of their time in class learning midwifery theory and clinical skills, and 50 per cent of their time with one of our internationally-recognised training partners in a wide variety of clinical and community settings.

Our highly-trained midwifery teaching staff are actively engaged in practice and our personal tutor system for student support is very well regarded.

Queen's is the only university in Northern Ireland offering a degree in Midwifery. Students undertaking our programmes may be eligible to have their fees paid by the Department of Health (DoH), and to receive a bursary.

## COURSE CONTENT

Designed to meet the targets set by the Strategy for Maternity Care in Northern Ireland 2012-2018 and Transforming Your Care, this programme develops all the knowledge, skills and attributes central to practice: woman/family-centred; clinically effective; competent and safe; evidence based; and established on caring and ethical principles. It provides students with direct contact with women, their babies and families in home, hospital and community settings under the supervision and guidance of lecturers and skilled midwives.

Modules are designed to develop the knowledge and skills that students will need to deal with normal midwifery practice and to co-ordinate the care of women experiencing more complex pregnancies.

### Stage 1

- Health and Wellbeing
- Professional Midwifery Values
- Foundation in Midwifery Practice

### Stage 2

- Special Care of the Newborn
- Evidence Based Midwifery
- Complex Childbearing
- Antenatal and Reproductive Health

### Stage 3

- Managing and Leading for Midwifery Practice
- Public Health: National and International Perspectives in Maternity Care
- Integrated Midwifery Knowledge

## WHY QUEEN'S?

### Professional Accreditation

Professional registration with the Nursing and Midwifery Council (NMC 2010).

### Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' responses to the specific scenarios.

### Skills Development

Midwifery students learn to be an integral part of a healthcare team. Within this School, multidisciplinary teams of medical students and midwifery students work together during interprofessional learning scenarios. In addition, Midwifery students participate in annual simulated emergency obstetric drills.

## BSc Honours

Midwifery Sciences 3 yrs (B720)

See also Nursing

## Entrance Requirements

This information is prepared in advance of the academic year to which it relates and the grades stated should be treated as a guide only and entrance requirements are reviewed annually.

Overall academic background will be taken into account when considering applications and additional academic criteria may have to be applied at shortlisting, depending on the volume of applications.

**All applicants** (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade B to include Mathematics and a Science subject (ie Biology/Human Biology, Chemistry, Physics, Double Award Science or Single Award Science). GCSE Applied Science is not acceptable in lieu of GCSE Science. A minimum of a grade C in GCSE English Language or an equivalent qualification acceptable to the University is also required.

Applicants offering Access/Foundation course qualifications must also have a grade B at GCSE in both Mathematics and a Science subject or an equivalent qualification acceptable to the University. Within an Access programme, 70% in NICATS Mathematics and in a Level 2/3 Biology or Chemistry or Physics module (minimum of 15% of the programme) would fulfil the GCSE Mathematics and Science requirements. A minimum of a grade C in GCSE English Language or an equivalent qualification acceptable to the University is also required.

**In addition to the GCSE requirements, or equivalent, applicants must offer one of the following qualifications:**

### A-level:

BCC including a relevant Science (Biology/Human Biology, Chemistry, Life and Health Sciences, Mathematics or Physics)

OR

BBC where a relevant Science subject is not offered.

## BTEC Extended Diploma:

Successful completion with 60 credits at Distinction and 120 credits at Merit in a relevant Science based course OR successful completion with 80 credits at Distinction and 100 credits at Merit in a non Science-based course.

## Access/Foundation Course:

An average mark of 65% where at least half of the overall programme is in Biology/Human Biology or Chemistry or Physics OR an average mark of 70% is required for non-Science-based access courses

## BTEC Higher National Diploma:

Successful completion with a minimum of Merits in at least 12 of the 16 units and Passes in all other units.

## BTEC Higher National Certificate:

Successful completion with a minimum of a Merit grade in each unit.

## Scottish Highers:

BBBCC where a relevant Science subject is offered (see list under A-level requirements)

OR

BBBBC where a relevant Science subject is not offered.

All applicants must have a minimum of 5 Standards at grade 2 or a minimum of 5 Intermediates at grade B to include Mathematics and a Science subject. A minimum of a grade 3 in Standard English Language or a grade C in Intermediate English Language is also required.

## Graduates:

Honours Degree (minimum third class); Ordinary Degree (minimum pass). Graduates must satisfy the GCSE Mathematics and Science requirements as above.

## Open University Credits:

A minimum of 120 OU Credits.

## Selection Process

• Applicants who satisfy the academic requirements or will be able to do so, prior to 31 August 2019 are shortlisted for interview on the basis of their Personal Statement on their UCAS application. This is scored against criteria set by the Northern Ireland Practice and Education Council for Nursing and Midwifery (NIPEC)

• Interviews normally take place in March and April and use the Multiple-mini Interview format to test value-based skills

• Offers are made on the basis of ranked interview scores and are subject to satisfactory Occupational Health Assessment and Criminal Record check(s), in addition to any academic requirements. More detail can be found on the School's website

## For students whose first language is not English

An IELTS score of 7.0 with a minimum of 7.0 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



"My course is everything I expected and more; I love the clinical placement."

Niamh O'Neill,  
Armagh, Northern Ireland  
BSc Midwifery Sciences

**Queen's is the only university in Northern Ireland offering a degree in Midwifery.**

**Students undertaking our programmes may be eligible to have their fees paid by the Department of Health (DoH), and to receive a bursary.**

## Global Opportunities

Student exchange programmes enrich your ability to critically compare the diverse delivery of health care and practice from a more global perspective. As globalisation becomes increasingly important, the opportunity to study abroad, and experience another culture is a rewarding and meaningful experience. Final year students have the opportunity to apply for an international elective placement with the guidance and support from International co-ordinators in midwifery and each field of nursing.

## CAREERS/FURTHER STUDY

Studying for a BSc (Hons) Midwifery Sciences degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by employers both nationally and internationally.

The majority of our graduates pursue a career in midwifery, which offers a diverse range of post registration opportunities to specialise in areas such as: bereavement counselling; antenatal screening coordination; perinatal mental health; family planning and reproductive sexual health; ultrasound scanning; public health and health promotion; breastfeeding support; neonatology, and education and research.

Further study is also an option open to Midwifery graduates. For taught postgraduate programmes, students can follow the Master's in Advanced Professional Practice. Students can also choose from a comprehensive list of research topics to follow research degree programmes.

**Entrance requirements:** [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Gail Anderson,  
Lead Midwife Education  
School of Nursing and Midwifery

e: [nursing@qub.ac.uk](mailto:nursing@qub.ac.uk)  
t: +44 (0)28 9097 2233  
w: [qub.ac.uk/nur](http://qub.ac.uk/nur)

# MUSIC

The BMus in Music is designed for students who wish to develop a deep understanding of music in the broadest sense whilst honing their specialist skills to professional standards. The degree includes studies in musicianship, harmony, music history and a range of associated skills that provide a well-rounded set of transferable skills such as problem-solving, communication and teamwork. This ensures that graduates in music are equally employable in graduate jobs as they are in musical careers.

## COURSE CONTENT

As a basis for specialisation in performance, composition and musicology, students take modules in music history, harmony and analysis.

**Level 1** includes five core modules: Introduction to Music; Fundamental Harmony; Music in History; Composing Music and Musicianship. Students choose one optional module from topics including performance, ensemble performance, ethnomusicology, and a range of music technology modules.

**Level 2** includes two core modules in analysis and critical writing skills, plus four optional modules chosen from performance, composition, improvisation, scoring and arranging, musicology (at least three modules offered), and a range of modules that focus on music technology.

At **Level 3**, students take at least one module in a music history special subject, plus a range of options that will include composition, dissertation, musicology, performance, work placement, composing for screen. (Up to two optional modules may be in another subject.)

## WHY QUEEN'S?

### World-Class Facilities

The Music Department at Queen's is one of the best equipped in the UK. Our music degrees are housed in two striking buildings: the elegant, historical Music building; and the world-leading Sonic Arts Research Centre (SARC). SARC contains the unique Sonic Lab, a concert hall with variable acoustics and facilities for immersion in 360-degree sound. The Music building houses the Harty Room, a concert hall that is regularly used for public performances. The department also houses state-of-the-art recording studios (for both 'pop' and 'classical' music), plus studios for surround sound and post production. There are also a large number of practice rooms, including three acoustically isolated rooms, and three suites of iMac computers.

### Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and music production.

### Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

## BMus Honours

Music 3 yrs (W302)

See also Music and Audio Production, Music and Sound Design, Music Performance, and Audio Engineering

## Entrance Requirements

### A-level:

BBB including A-level Music. Where A-level Music is not offered then A-level grades BBB plus Grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable. AS-level Music is not acceptable in lieu of A-level Music.

### Further information

If an applicant has successfully completed a Grade VIII Practical Music examination this may be taken into account in August when deciding borderline cases. Applicants should indicate in the 'education' section of the UCAS application if they have, or intend to complete, a Grade VIII Practical examination, specifying the instrument and the awarding body.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**98% of Queen's Music students are satisfied with their course, ranking us joint 2nd in the UK.**

(National Student Survey 2017)

## Student Experience

Northern Ireland has an exceptional track record for producing outstanding musical talent and has a unique identity within the global music industry. Belfast is the creative hub of the Northern Irish music industry and students on this programme will contribute to the vibrant musical life of both the University and the wider city.

## Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including National and Kapodistrian University of Athens, University of Groningen, Escola Superior de Música e Artes do Espetáculo do Porto and Instituto Politecnico do Porto.

## Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world employment experience. Some of the organisations our students have completed placements with include The Mac, Crescent Arts Centre, Belfast Music Society, Fleming Fulton Special Needs School, JAM (Junior Academy of Music), and a large number of local secondary and primary schools.

## CAREERS/FURTHER STUDY

The programme prepares students for a wide range of possible career paths and graduates in Music at Queen's have found success throughout the UK and internationally in both musical and non-musical careers including orchestral playing, opera singing, solo artist careers, performance, composition, teaching, media employment and arts administration. Others regularly move into a wide range of graduate employments such as accountancy, banking, publishing and marketing.

Further study, including Master's programmes, is also an option; see the School website for further information.

**Music at Queen's is ranked 19th in the UK.**

(Times and Sunday Times Good University Guide 2018)

"I am in my final year studying Music at Queen's. To enhance my performance experience, I was awarded the Hamilton Harty Scholarship to study clarinet performance in Switzerland during the summer, which was an excellent opportunity. Within the department, there are a range of ensembles such as choirs and orchestra as well as more modern and improvisatory groups, collaborating with sonic arts students. The Music Department at Queen's is a great place to study, offering a wealth of opportunity and expertise from dedicated staff."

Gerard Mullaly  
Third Year, BMus Music (2017)



"The teaching I have received here has been amazing. In particular, one-on-one attention to the individual student has been important. Contact with groups such as the Ulster Orchestra, Hard Rain Soloist Ensemble and the Royal String Quartet has proven to be beneficial to my music performance and composition and has pushed me to reach my goal of being a performer one day myself."

Hannah Murray  
Third Year, BMus Music (2017)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Simon Mawhinney,  
Subject Lead (Music)  
School of Arts, English  
and Languages

e: [s.mawhinney@qub.ac.uk](mailto:s.mawhinney@qub.ac.uk)  
t: +44 (0)28 9097 5324  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# MUSIC AND AUDIO PRODUCTION

The programme is designed for musicians from a wide range of musical backgrounds interested in the production of musical content in both the recording studio and live performance environments. You will gain practical knowledge and experience of recording, editing, mixing and mastering music using professional studio facilities.

Working alongside leading music industry professionals you will gain additional sound engineering experience in a sound reinforcement context and develop musical practice in composition, general musicianship and (optionally) musical performance.

## COURSE CONTENT

At **Level 1** students develop their musical practice in the areas of composition, critical listening and improvisation in addition to gaining a thorough grounding in sound recording principles and practical experience of audio mixing and sound synthesis. Students also explore the range of musical practices ranging from mass market music to the 'classical' tradition and its contemporary proliferation.

At **Level 2** students develop recording and production skills working alongside their peers on the BA Music Performance programme. Students work together to create repertoire suitable for multitrack studio recording and this content is recorded, edited and mixed to broadcast standard. Optional modules are available in areas such as songwriting, sound design, sonic arts, radio production, instrument and installation design, performance or improvisation.

At **Level 3** students continue to develop sound recording and production skills focusing on stereo microphone techniques for recording acoustic ensembles. Students can opt to take modules in spatial audio mixing, designing musical interactions, sonic arts, composing for film and television, or undertake a work placement. The programme concludes with the completion of a project focusing on an aspect of professional practice in audio production.

## WHY QUEEN'S?

### World-Class Facilities

The School is one of the largest and best-equipped institutions in the UK working in the field of music and sound. Students on the BA in Music and Audio Production have access to state-of-the-art audio resources including two dedicated computer suites, 10 sound studios and the world's first Sonic Laboratory – a unique performance space capable of three-dimensional sound projection.

### Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and music production.

### Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

## BA Honours

Music and Audio Production 3 yrs (W374)

See also Music (BMus), Music and Sound Design, Music Performance, and Audio Engineering

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Music and Audio Production.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Student Experience

Northern Ireland has an exceptional track record for producing outstanding musical talent and has a unique identity within the global music industry. Belfast is the creative hub of the Northern Irish music industry and students on this programme will contribute to the vibrant musical life of both the University and the wider city.

## Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including National and Kapodistrian University of Athens, University of Groningen, Escola Superior de Música e Artes do Espetáculo do Porto and Instituto Politecnico do Porto.

## Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations with which our students have completed placements include The Mac, Crescent Arts Centre, Production House, Start Together Studios, Redbox Recording, Smalltown America Studios, Blast Furnace Studios, Sonic Visuals, Earthmusic, and Glasgobury Music Hub.

## CAREERS/FURTHER STUDY

Companies and institutions currently employing our graduates include the BBC, UTV, Weller Media Agency, Start Together Studios, PSAV, The Mac, Pi Communications, The Nerve Centre, Stevens Institute of Technology and Queen's University Belfast.

Further study, including Master's programmes, is also an option; see the School website for further information.

“During my time at SARC I gained valuable hands-on experience recording talented musicians with state-of-the-art equipment. After the enjoyable recording process, I was given encouraging feedback on how to sculpt my recordings into professional-sounding finished pieces which have greatly boosted my confidence as a sound engineer.”

Oisín Hughes, BSc Music Technology and Sonic Arts (2017)



## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

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Subject Lead (Music)  
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t: +44 (0)28 9097 5324  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# MUSIC AND SOUND DESIGN

The programme is designed for musicians interested in composing music and designing sound for a wide range of contexts but with particular emphasis on film and theatre. You will gain practical knowledge and experience of composing in the studio, composing for instrumental forces, songwriting and scoring for picture. Working alongside leading audio industry professionals you will also learn innovative methods of capturing, synthesising and manipulating sound, enabling the design of sonic environments to accompany picture, stage productions, radio and gaming.

## COURSE CONTENT

At **Level 1** students develop their musical practice in the areas of composition, critical listening and improvisation in addition to gaining a thorough grounding in sound recording principles and practical experience of audio mixing and sound synthesis. Students also explore the range of musical practices ranging from mass market music to the 'classical' tradition and its contemporary proliferation.

At **Level 2** students explore the broader field of sonic art and develop skills in sound design for screen including dialogue editing, atmos tracklay, SFX editing, ADR recording and mixing to broadcast specifications. Optional modules are available in areas such as audio production, radio production, instrument and installation design, songwriting or improvisation.

At **Level 3** students continue to develop skills relevant to sound design and the creation of sonic art. Students can also opt to take modules in spatial audio mixing, designing musical interactions, composing for film and television, audio production, or undertake a work placement. The programme concludes with the completion of a project focusing on an aspect of professional practice in sound design or composition.

## WHY QUEEN'S?

### World-Class Facilities

The School is one of the largest and best-equipped institutions in the UK working in the field of music and sound. Students on the BA in Music and Sound Design have access to state-of-the-art audio resources including two dedicated computer suites, 10 sound studios and the world's first Sonic Laboratory – a unique performance space capable of three-dimensional sound projection.

### Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and audio production.

### Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

## BA Honours

Music and Sound Design 3 yrs (W371)

See also Music (BMus), Music and Audio Production, Music Performance, and Audio Engineering

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Music and Sound Design.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Student Experience

Students on the BA Music and Sound Design programme have excellent opportunities to gain real-world production experience through collaborative work with students studying BA Film Studies and Production and BA Broadcast Production.

## Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Escola Superior de Música e Artes do Espetáculo do Porto, Instituto Politecnico do Porto, National and Kapodistrian University of Athens, Technological Educational Institute of Crete and University of Groningen.

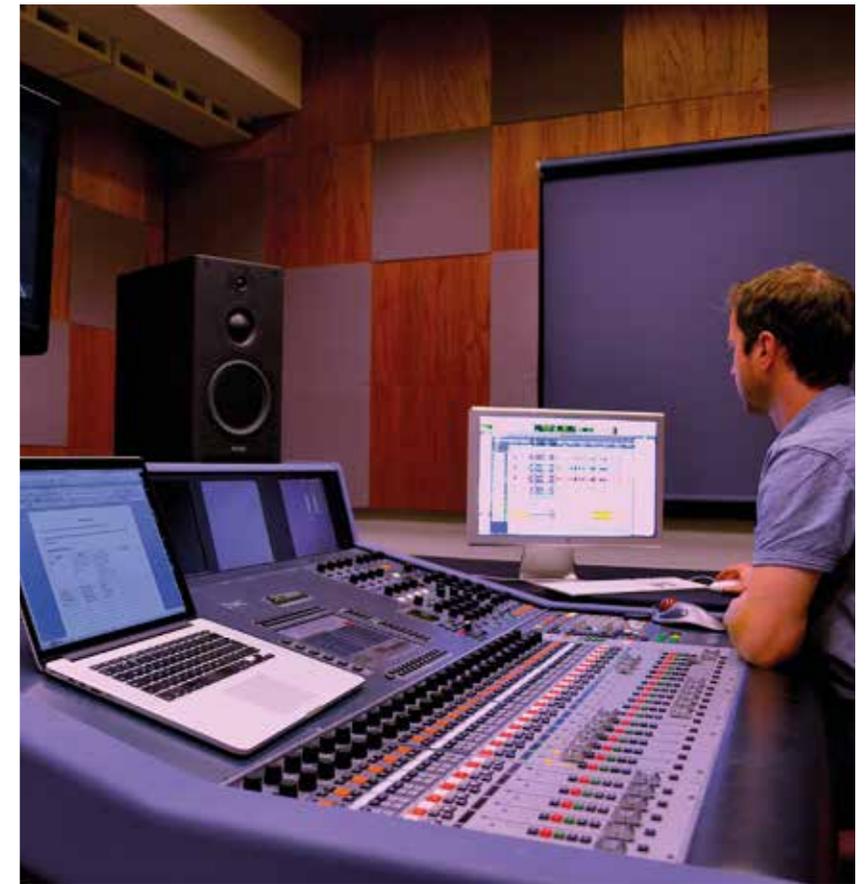
## Work Placements

Sound design is a key element of the film, gaming and immersive (VR) industries. The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include DTS, The Sound Studio, Lamb Films, Pi Communications, Q Radio, Maverick Renegade Productions, The Soundhouse and The Big Telly Theatre Company.

## CAREERS/FURTHER STUDY

The programme prepares students for a wide range of possible career paths including sound design for screen, sound design for theatre, broadcasting, audio post production, foley, composition, scoring, interactive system design, education and other areas of the music and audio industries. Companies and institutions currently employing our graduates include the BBC, UTV, YellowMoon Post Production, NI Screen, SNK Studios, The Soundhouse and Queen's University Belfast.

Further study, including Master's programmes, is also an option; see the School website for further information.



“The experiences and opportunities I had while at SARC completely changed my perception of what music had to be. I came from a traditional classical music background, and left with experiments in electronic music, from live vocal manipulation to wearable electronic instruments that I'd designed and built myself. The staff weren't afraid to push boundaries, and were more than happy to help along the way. SARC has a great atmosphere of sonic exploration, and I'd recommend it to anyone.”

Maeve Mulholland, BSc Music Technology and Sonic Arts, (2017)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
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t: +44 (0)28 9097 5324  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# MUSIC PERFORMANCE

The BA in Music Performance is a vocational course aimed primarily at students who have a particular interest in pursuing a professional career in performance. The degree is distinguished by its inclusive approach and will have broad appeal to musicians who specialise in all performing traditions, including classical, folk, traditional, pop, rock, jazz, singer/songwriter, electronic and experimental. Students gain extensive experience of performing in solo, ensemble and improvised settings in addition to developing skills for performing in the recording studio and the use of technology in performance practice.

## COURSE CONTENT

**Level 1** of the programme consists of four compulsory modules encompassing both solo and ensemble performance, general musicianship and a historical introduction to music. All students receive weekly performance tuition and participate in weekly performance platforms – an open session for peer critique of solo and ensemble performances. Optional modules include composition, fundamental harmony, sound recording principles, sound synthesis and audio mixing.

At **Level 2** students continue to develop solo, ensemble and improvised performance practice through individual tuition, group tuition and performance platforms. Student ensembles work in a recording studio setting to create recordings of newly conceived repertoire. Optional modules are available in areas such as songwriting, instrumental composition, sound design, sonic arts, audio production, instrument and installation design, music psychology, or introduction to arts management.

The primary focus at **Level 3** is further refinement of solo performance practice culminating in a double-weighted performance recital. All students are also asked to complete a project focusing on an aspect of professional practice in musical performance. Additional Level 3 options include modules in designing musical interactions, composing for film and television, instrumental composition, sonic arts, and audio production.

## WHY QUEEN'S?

### World-Class Facilities

The Music department at Queen's is one of the best equipped in the UK. Our music degrees are housed in two striking buildings: the elegant, historical Music building and the world-leading Sonic Arts Research Centre (SARC). SARC contains the unique Sonic Lab, a concert hall with variable acoustics and facilities for immersion in 360-degree sound. The Music building houses the Harty Room, a concert hall that is regularly used for public performances. The department also houses state-of-the-art recording studios, plus studios for surround sound and post production.

### Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

### Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and music production.

## BA Honours

Music Performance 3 yrs (W310)

See also Music (BMus), Music and Audio Production, Music and Sound Design, and Audio Engineering

## Entrance Requirements

### A-level:

ABB plus successful audition.

### All applicants:

There are no specific subject requirements to study Music Performance. However, applicants being considered for entry are required to submit a video audition demonstrating a wide ranging ability of their musical performance style.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

## Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Escola Superior de Música e Artes do Espetáculo do Porto, Instituto Politecnico do Porto, National and Kapodistrian University of Athens and University of Groningen.

## Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include Ulster Orchestra, Northern Ireland Opera, Drake Music NI, Young at Art, The Playhouse, Open Arts, Down Arts Centre, Junior Academy of Music, and Thin Air Magazine.

## CAREERS/FURTHER STUDY

The programme prepares students for a wide range of possible career paths including performance (eg orchestral playing, opera singing, solo artist careers), improvisation, composition, teaching, academia, arts administration and broadcasting.

Further study, including Master's programmes, is also an option; see the School website for further information.



“Studying performance at Queen's gave me the vision and ambition to pursue performance as a viable career path. The music department provided an abundance of coaching opportunities and experiences which were beyond what I could have imagined. Partnerships with the Ulster Orchestra and Hard Rain Soloist Ensemble gave us the unique experience of working with professionals in the industry. The department has excellent funding opportunities. A music degree from Queen's offers great career prospects upon graduation.”

Gerard Mullaly, BMus Graduate (2017)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Simon Mawhinney,  
Subject Lead (Music)  
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t: +44 (0)28 9097 5324  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# NURSING

This three-year degree programme integrates theory and practice, preparing our students to be world-class practitioners. Students will spend 50 per cent of their time in class learning the latest nursing theory and clinical skills, and 50 per cent of their time with one of our internationally-recognised training partners in a wide variety of clinical and community settings throughout Northern Ireland.

Our highly-trained lecturing staff are actively engaged in areas of speciality practice, and our personal tutor system for student support is very well regarded.

There are also opportunities for elective placements with one of our international partners in the final year of study.

## COURSE CONTENT

Designed to meet the targets set by Transforming Your Care, this programme develops all the knowledge, skills and attributes central to practice: patient/client centred; clinically effective; competent and safe; evidence-based; and established on caring and ethical principles.

We continually apply the results of our ground-breaking research to our teaching to ensure that our programme content is as up to date and as relevant as possible to the changing needs of the population.

Queen's is the only university in Northern Ireland offering degrees in all four fields of Nursing (Adult, Children's, Learning Disability, and Mental Health), enabling an innovative approach to interprofessional education. Students should apply to study their chosen field of Nursing.

Students may be eligible to have their fees paid by the Department of Health (DOH), and may receive a bursary.

### Stage 1

- Health and Wellbeing
- Professional Nursing Values and Practice
- Evidence Based Nursing 1
- Practice Module 1

### Stage 2

- Dimensions of Care
- Care Delivery
- Evidence Based Nursing 2
- Practice Module 2 Adult

### Stage 3

- Management and Leadership
- Decision Making for Professional Practice
- Practice Module 3 Adult
- Evidence Based Nursing 3

## WHY QUEEN'S?

### Global Opportunities

Student exchange programmes enrich your ability to critically compare the diverse delivery of health care and practice from a more global perspective. Final year students have the opportunity to apply for an international elective placement with the guidance and support from International co-ordinators in midwifery and each field of nursing.

### Professional Accreditations

Professional registration with the Nursing and Midwifery Council (NMC 2010).

### Internationally Renowned Experts

The educational staff within the School are renowned across the world for their innovative activities and subject expertise.

### Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role-play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' responses to the specific scenarios.

## BSc Honours

Nursing (Adult) (September intake) 3 yrs (B740)

Nursing (Adult) (February intake) 3 yrs (B74A)

Nursing (Children's) 3 yrs (B730)

Nursing (Learning Disability) 3 yrs (B761)

Nursing (Mental Health) 3 yrs (B760)

## Entrance Requirements

This information is prepared in advance of the academic year to which it relates and the grades stated should be treated as a guide only and entrance requirements are reviewed annually.

Overall academic background will be taken into account when considering applications and additional academic criteria may have to be applied at shortlisting, depending on the volume of applications.

**All applicants** (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade C to include English Language or an equivalent qualification acceptable to the University, plus Mathematics and a Science subject (ie Biology/Human Biology, Chemistry, Physics, Double Award Science or Single Award Science). GCSE Applied Science is not acceptable in lieu of GCSE Science.

Applicants offering Access/Foundation courses must also have a grade C in GCSE Mathematics and a Science subject or an equivalent qualification acceptable to the University. Within an Access programme, a pass in NICATS Mathematics and in a Level 2/3 Biology or Chemistry or Physics module (minimum of 15% of the programme) would fulfil the GCSE Mathematics and Science requirements.

**In addition to the GCSE requirements, or equivalent, applicants must offer one of the following qualifications:**

### A-level:

BCC including a relevant Science (Biology/Human Biology, Chemistry, Life and Health Sciences, Mathematics or Physics)

OR

BBC where a relevant Science subject is not offered.

## BTEC Extended Diploma:

Successful completion with 60 Credits at Distinction and 120 Credits at Merit in a relevant Science-based course OR successful completion with 80 Credits at Distinction and 100 Merits in a non Science-based course.

## Access/Foundation course:

An average mark of 65% where at least half of the overall programme is in Biology or Chemistry or Physics OR an average mark of 70% is required for non-Science-based access courses.

## BTEC HND:

Successful completion with a minimum of Merits in at least 12 of the 16 units and Passes in all other units.

## BTEC HNC:

Successful completion with a minimum of a Merit grade in each unit.

## Scottish Highers:

BBBCC where a relevant Science subject is offered (see list under A-level requirements)

OR

BBBCC where a relevant Science subject is not offered. All applicants must have a minimum of 5 Standards at grade 3 or a minimum of 5 Intermediates at grade C to include English Language, Mathematics and a Science subject.

## Graduates:

Honours Degree (minimum third class); Ordinary Degree (minimum pass). Graduates must satisfy the GCSE Mathematics and Science requirements as above.

## Open University Credits:

A minimum of 120 OU Credits.

## Selection Process

- Applicants who satisfy the academic requirements or will be able to do so prior to 31 August 2019 are shortlisted for interview on the basis of their Personal Statement on their UCAS application. This is scored against criteria set by the Northern Ireland Practice and Education Council for Nursing and Midwifery (NIPEC)

- Interviews normally take place in March and April and use the Multiple-mini Interview format to test value-based skills

- Offers are made on the basis of ranked interview scores and are subject to satisfactory Occupational Health Assessment and Criminal Records check(s), in addition to any academic requirements. More detail can be found on the School's website

## For students whose first language is not English

An IELTS score of 7.0 with a minimum of 7.0 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Queen's is the only university in Northern Ireland offering degrees in all four fields of Nursing (Adult, Children's, Learning Disability, and Mental Health), enabling an innovative approach to interprofessional education. Students undertaking our programmes may be eligible to have their fees paid by the Department of Health (DoH), and may receive a bursary.**

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
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## Course information

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## Skills Development

Nurses and Midwives learn to be an integral part of a healthcare team. Within this School, multidisciplinary teams of medical students and nursing students work together using interprofessional learning scenarios.

## CAREERS/FURTHER STUDY

Studying for a BSc (Hons) Nursing degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by employers both nationally and internationally.

The majority of our graduates pursue a career in nursing, which is an interesting, rewarding and challenging career where work can be in a variety of health care settings from accident and emergency to working in patients' homes, with people of all ages and backgrounds. Nursing can also offer a diverse range of post registration opportunities to specialise in areas such as counselling, public health and health promotion, acute care, as well as education and research.

## Further Study

Further study is also an option open to Nursing graduates. For taught postgraduate programmes, students can follow the Master's in Advanced Professional Practice. There are also a range of PhD opportunities; see Queen's website for more details.



# PHARMACEUTICAL BIOTECHNOLOGY

With over 900 biotech companies in the UK employing nearly 26,000 people, pharmaceutical biotechnology is an increasingly important area for pharma. It provides the biotechnological tools and techniques to enable the discovery, development and evolution of novel therapeutics and innovative drug delivery systems. Indeed, many of the UK's biotech companies originate from universities as 'spin-outs', focused on the development of cutting-edge technologies and innovative products. The BSc in Pharmaceutical Biotechnology is designed to create students who have broad analytical and practical experience focused on recent developments in the field, as well as strong professional and interdisciplinary skills to prepare them for careers within the sector.

## COURSE CONTENT

During your course of study, you will develop breadth and depth in the skills, knowledge and experiences required for success in your future career. The BSc in Pharmaceutical Biotechnology has been developed by a team of academic experts in consultation with industry and involves a broad syllabus founded on the principles underlying health and disease. It encompasses an understanding of therapeutic targets and the fundamental mechanisms and applications of biomolecules and novel drug delivery systems. It is the application of this knowledge which enables the discovery, development and manufacture of innovative products that have the potential to improve and extend life.

### Level 1

The first year of the degree teaches students foundational knowledge and skills in chemistry, maths, physiology and microbiology. This helps students to make the transition from secondary education and prepares them for more complex concepts in Levels 2 and 3.

### Level 2

This year provides further development and understanding of the basic/fundamental sciences related to pharmaceutical biotechnology. Students are introduced to medicinal chemistry, analytical techniques and formulation. Further knowledge and practical expertise is developed across several

other key subjects, including biochemistry, immunology and molecular biology. This training prepares students both for their placement\* and their Level 3 research project.

\*In the sandwich programme, the third year will be spent on a work placement in industry, during which you will participate in a real-world project in the working environment for a minimum of 48 weeks.

### Level 3

The final year of the degree covers a range of areas in biotechnology, including therapeutic proteins and molecular and cellular engineering for the development of a range of biotherapeutics, nanomedicines and advanced delivery systems. Students will become familiar with recombinant DNA technology, microarrays, genomics and proteomics. Teaching will also focus on the development of biological approaches to disease treatment and prevention, such as gene therapy and stem cells, highlighting opportunities for precision medicine. In addition, students will develop an understanding of scale-up and manufacturing processes, and other industry-relevant skills such as a knowledge of quality control and regulatory affairs.

Students also carry out a research project in Pharmaceutical Biotechnology which provides the students with a valuable opportunity to work within one of our research laboratories.

## BSc Honours

Pharmaceutical Biotechnology 3 yrs (B212)

Pharmaceutical Biotechnology (Sandwich) 4 yrs (B213)

See also Pharmaceutical Sciences and Pharmacy

## Entrance Requirements

### A-level

BBB including Biology and Chemistry + GCSE Mathematics grade C

OR

BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 6.0 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Global Opportunities

The School of Pharmacy has world-leading academics that are fully engaged with leading industrial partners tackling global health problems. This programme offers graduates an opportunity to be involved across a range of disciplines in drug product and technology platform development.

### Industry Links

Academics teaching on our BSc degree programmes are leading subject experts and work with major multinational pharmaceutical companies. These include GSK, Eli Lilly, Teva, Astra Zeneca, Unilever, Almac, Capsugel, and many others.

### World-Class Facilities

The McClay Research Centre for Pharmaceutical Sciences provides extensive state-of-the-art facilities for research, supported by well-equipped pharmaceutical biotechnology, pharmaceutical engineering, analytical, molecular biology, advanced microscopy, tissue culture and microbiology laboratories.



## Internationally Renowned Experts

The BSc degree in Pharmaceutical Biotechnology is taught by world-leading academics. Research within the School is both fundamental and applied and is supported by a broad range of funders including government, charitable and multi-national industry sources.

## CAREERS/FURTHER STUDY

Studying for a BSc in Pharmaceutical Biotechnology degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

### Placements

Placements provide an opportunity to supplement formal University education with invaluable industrial experience and present an opportunity to form strong links with potential employers. Moreover, this will help students develop vital skills, improve their employability and ultimately help them become more aware of the global pharmaceutical community and their connection to it.

## Employability

The School of Pharmacy have also introduced a range of other activities to support successful employability post degree. These include industrial visits to local pharmaceutical and biotech companies, employability workshops, writing CVs and job applications, psychometric tests and interview preparation techniques.

## Graduate Opportunities

The prospects of employment for a graduate with a BSc in Pharmaceutical Biotechnology (Sandwich) degree in the UK are high. Graduates can pursue careers in the pharmaceutical, biotechnology and medical device industries. Opportunities also exist in areas relating to R&D, manufacturing and supply, commercial or support functions. Further information may be found at the Association of the British Pharmaceutical Industry careers website: [careers.abpi.org.uk](http://careers.abpi.org.uk)

## Further Study

Graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics for study at PhD level (PhD); see [qub.ac.uk/pha](http://qub.ac.uk/pha) for further information.

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Maurice Hall  
Director of Education  
School of Pharmacy

e: [pharmacyinfo@qub.ac.uk](mailto:pharmacyinfo@qub.ac.uk)  
t: +44 (0)28 9097 2086  
w: [qub.ac.uk/pha](http://qub.ac.uk/pha)

# PHARMACEUTICAL SCIENCES

The pharmaceutical industry in the UK has a greater impact on the UK economy than any other high-tech industry. Employing 73,000 people, of whom around 27,000 are directly involved in research and development (R&D), pharma offers graduates a chance to play an important role in the development of new medicines with employment opportunities existing at all stages of the drug development process. The BSc in Pharmaceutical Sciences degree is designed to create students who are the next generation of pharmaceutical scientists, able to work in all stages of the drug development process as part of a multi-disciplinary research team.

## COURSE CONTENT

The degree has an engaging and dynamic curriculum that deals with the underpinning science of the drug development process, including physical, chemical and biological concepts. Students will encounter innovative and flexible teaching methods and will be provided with a range of work-related learning opportunities (including placement) to equip them with the skills required by employers in industry.

During your course of study, you will develop breadth and depth in the skills, knowledge and experiences required for success in your future career. The BSc has been developed in consultation with pharmaceutical industry representatives and involves a broad syllabus covering the design, evaluation, production, and testing of medicines.

### Level 1

The first year of the degree teaches students foundational knowledge and skills in chemistry, maths, physiology and microbiology. This helps students to make the transition from secondary education and prepares them for more complex concepts in Levels 2 and 3.

### Level 2

The second year introduces formulation and drug-delivery, medicinal chemistry and analytical techniques. Building upon the knowledge and skills from first year, modules cover key concepts and processes which are fundamental to a career in the

pharmaceutical industry. Practical elements help to cement this theoretical knowledge, preparing students for placement\* and their Level 3 research project.

\*In the sandwich programme, the third year will be spent on a work placement in the pharmaceutical industry, during which you will participate in a real-world project in the working environment for a minimum of 48 weeks.

### Level 3

The final year of the degree deals with advanced formulation of small molecules and biosimilars, along with the pharmaceutical analysis of complex systems. During their research project, students are brought into contact with cutting-edge pharmaceutical research conducted by our world-leading academics. Importantly, students will develop an understanding of scale-up and manufacturing processes, and other industry-relevant skills such as a knowledge of quality control and regulatory affairs.

The course is structured to spiral upwards in complexity, so that concepts introduced early are picked up again in later modules with greater complexity, in various aspects of pharmaceutical sciences. The integration of chemistry, biology and material science makes this course unique and gives our graduates a holistic view of pharmaceutical science; a highly desirable quality in those seeking a career in the pharmaceutical industry.

## BSc Honours

Pharmaceutical Sciences 3 yrs (B210)

Pharmaceutical Sciences (Sandwich) 4 yrs (B211)

See also Pharmaceutical Biotechnology and Pharmacy

## Entrance Requirements

### A-level

BBB including Biology and Chemistry + GCSE Mathematics grade C

OR

BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 6.0 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Global Employability

Graduates are able to work in any aspect of drug product development, and we are offering a global network of industry and research links through our world-leading academics.

### Industry Links

The School of Pharmacy has developed close links with a wide variety of industry partners through research and teaching at a local, national and international level. These include GSK, Eli Lilly, Pfizer, Teva, Astra Zeneca, Reckitt Benckiser, Almac, Capsugel, and many others.

### World-Class Facilities

The School provides extensive, state-of-the-art facilities supported by well-equipped pharmaceutical engineering, analytical, molecular biology, advanced microscopy, tissue culture and microbiology laboratories.

### Internationally Renowned Experts

The programme is taught by world-leading academics. Research within the School is both fundamental and applied and is supported by a broad range of funders including government, charitable and multi-national industry sources.

## CAREERS/FURTHER STUDY

Studying for a BSc in Pharmaceutical Sciences at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

### Placements

Placements provide an opportunity to supplement formal University education with invaluable industrial experience and present an opportunity to form strong links with potential employers. Moreover, this will help students develop vital skills and become more aware of the global pharmaceutical community and their connection to it.

### Employability

The School of Pharmacy have introduced a range of activities to support successful employability post degree. These include visits to local pharmaceutical industries, employability workshops, courses in writing CVs and job applications, psychometric tests and interview preparation techniques.

## Graduate Opportunities

The prospects of employment for a graduate with a BSc in Pharmaceutical Sciences degree in the UK are high. Graduates can pursue careers in the pharmaceutical and medical devices industry. Opportunities also exist in areas relating to R&D, manufacturing and supply, commercial or support functions. Further information may be found at the Association of the British Pharmaceutical Industry careers website: [careers.abpi.org.uk](http://careers.abpi.org.uk)

### Further Study

Graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics for study at PhD level (PhD); see [qub.ac.uk/pha](http://qub.ac.uk/pha) for further information.

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
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### Course information

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t: +44 (0)28 9097 2086  
w: [qub.ac.uk/pha](http://qub.ac.uk/pha)



# PHARMACY

The MPharm degree is designed to help students become experts in medicines with the skills to work effectively with patients and the multidisciplinary team.

## COURSE CONTENT

The course integrates the chemical and biological sciences with the discovery, design, evaluation and production of medicines and their clinical application to all areas of practice. A variety of placements and simulated learning with multidisciplinary teams help students develop the knowledge and skills to be a valued and effective member of the health care team.

The modules are:

### Stage 1

- Structure, Reactivity and Mechanism in Organic and Biorganic Chemistry
- Practising as a Pharmacist
- Physiology for Pharmacy
- Pharmaceutical Microbiology
- Physical Pharmaceutics

### Stage 2

- Pharmaceutical Technology
- Applied Clinical Pharmacology and Therapeutics
- Medicinal Substances

### Stage 3

- Drug Design/Pharmaceutical Analysis
- Advanced Delivery Systems for Large and Small Molecules
- Clinical Therapeutics
- Pharmacy Practice

### Stage 4

- Research Project
- Pharmacy Practice Responding to Symptoms
- Advanced Pharmaceutical Care
- Business Government and Industry
- Advancement of Practice Through Evidence

**The Pharmacy degree programme at Queen's is ranked 2nd in the UK (Guardian University Guide 2018).**

## WHY QUEEN'S?

### Professional Accreditation

The degree is accredited by the General Pharmaceutical Council (GPhC) in Great Britain and the Pharmaceutical Society of Northern Ireland (PSNI), as the relevant regulators.

### Industry Links

The School of Pharmacy has developed close links with a wide variety of industry partners through research and teaching at a local, national and international level. Students are taught by practising pharmacists from the community, primary care and hospital setting and the School's Careers Liaison Officer ensures that students are aware of all career opportunities and prepared for application and interview processes.

### Career Development

A feature of this MPharm is an increasing experience of the clinical environment through inclusion of clinical placements in both community and hospital settings.

### World-Class Facilities

The School of Pharmacy at Queen's is acknowledged as a leading centre for Pharmacy teaching and research in the UK. In the latest edition of the Guardian University Guide 2018, we are ranked 2nd in the UK for Pharmacy and Pharmacology.

At Queen's we believe in providing students with as authentic a learning experience and environment as possible. Our recently renovated Pharmacy Practice Unit consists of everything you would find in a contemporary community pharmacy. In addition we have world-leading research laboratories with the best technology in the industry.

## MPharm

Pharmacy 4 yrs (B230)

See also Pharmaceutical Sciences and Pharmaceutical Biotechnology

## Entrance Requirements

### A-level:

AAB including A-level Chemistry and at least one other A-level from Biology, Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** Biology to at least AS preferred. Please note that only one Mathematics subject will be counted at A-level. A-level Critical Thinking and General Studies are not acceptable.

### Graduates:

A minimum of an Upper Second Class Honours degree preferably in a relevant subject. Those with an Upper Second Class Honours degree in a non-relevant subject may be considered if they have the appropriate science background at GCSE and A-level. Shortlisted applicants will be required to attend an interview as part of the selection process.

### All Applicants

• As a result of current legislative requirements any offer made will be conditional on a satisfactory criminal history check (Access NI Enhanced Disclosure Check). To enable the University to request this check you will be required to provide some personal information which will be treated in the strictest of confidence and in line with Data Protection Principles. The current cost of an Enhanced Disclosure Check is £33. At the time of printing changes are due to be implemented and relevant procedures and/or costs may change. Applicants will be advised of the relevant requirements at the appropriate time. For international students, a Certificate of Good Conduct or equivalent will be required in lieu of an Access NI check.

• The degree is subject to the University's regulations on Fitness to Practise.

• Applicants will be required to give permission for a check against the Excluded Student Database prior to offers being made. This is a national database which records those who have previously been excluded from professional programmes.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 6.0 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

To become a pharmacist in the UK, you will need to complete a four year MPharm degree, a year of preregistration training in the UK and pass an entrance exam set by the GPhC (England, Scotland and Wales) or the PSNI (Northern Ireland). The MPharm course at Queen's is accredited by the General Pharmaceutical Society (GPhC) and the Pharmaceutical Society of Northern Ireland (PSNI).

Our graduates typically pursue careers in three main employment sectors, namely, community pharmacy, hospital pharmacy and the pharmaceutical industry; however, graduates can develop careers in a range of other sectors. Examples of the major career sectors that have attracted our graduates in recent years:

- Hospital pharmacy
- Community pharmacy and primary care
- Scientific publishing

- Industrial pharmacy
- Academic pharmacy
- Varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

Further information regarding careers in pharmacy may be obtained from the Royal Pharmaceutical Society.

### Consultations

We regularly consult and develop links with a large number of employers including, for example, multinational and independent pharmacies and trusts who provide placements for students and who contribute to the undergraduate teaching on the MPharm and who are members of the stakeholders' panel for the course.

### Further Study

Further study is also an option open to MPharm graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

"The high standard of teaching and research, as well as helpful and supportive staff at the School of Pharmacy, have made my time as a student truly exceptional."

Ing Ho Kong, Malaysia, Pharmacy Student and Lead International Mentor

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Sharon Haughey  
Director of Education  
School of Pharmacy

e: [pharmacyinfo@qub.ac.uk](mailto:pharmacyinfo@qub.ac.uk)  
t: +44 (0)28 9097 2086  
w: [qub.ac.uk/pha](http://qub.ac.uk/pha)



# PHILOSOPHY

During your degree, you will learn about cutting-edge debates in core areas of philosophy such as ethics, metaphysics, the theory of knowledge and political philosophy, as well as studying some of the key thinkers in the history of philosophy, including Plato, Aristotle, Descartes, Hume, Mill and Marx. You will develop your skills in reasoning and argumentation by studying formal logic.

## COURSE CONTENT

The degree programme does not presuppose any prior training in Philosophy and can profitably be taken by those who have studied the subject at school – as well as those who have not.

### Year 1

Students choose six modules from a range of introductory modules including the following:

- Introductory Logic
- Perspectives on Politics
- Philosophy and Human Nature
- Philosophy and the Good Life

### Year 2

Students choose six modules that explore the wide range of major debates and inquiry in Philosophy, exploring questions that range from how to understand the mind, to how 'reality' might be understood, to key political theories about how we live as a society. Examples include:

- History of Philosophy
- Knowledge and Reality
- Mind and Language
- Modern Political Thought
- Moral Theories
- Philosophy of Science

### Year 3

In the final year, students focus on particular areas of specialisation that build on their studies in years 1 and 2. Students will write a dissertation (double-weighted) and choose four modules. Examples of options include:

- Applied Ethics
- Contemporary Critical Theory
- Philosophical Theology
- Philosophy for Children
- Issues in the Philosophy of Science
- Scholastic Ethics
- Scholastic Metaphysics
- Topics in Epistemology
- Dissertation

**Note:** this is not an exclusive list and these options are subject to staff availability.

## WHY QUEEN'S?

### Global Opportunities

Students have the opportunity to spend part of the course studying in other European universities through our Erasmus programme, and also in the USA.

### Internationally Renowned Experts

Queen's Philosophy department has particular strengths in analytic philosophy. Our faculty work on cutting-edge topics in applied ethics and political philosophy. We have an international reputation for our research in the philosophy of religion, epistemology, and the philosophy of science.

### World-Class Facilities

- The Senator George J Mitchell Institute for
- Global Peace, Security and Justice
- Institute of Cognition and Culture
- Institute of Irish Studies
- Two International Summer Schools (the Irish Studies Summer School; and the Conflict Transformation and Social Justice Summer School)

## BA Single Honours

Philosophy 3 yrs (V500)

## BA Joint Honours

English and Philosophy 3 yrs (QV35)

History and Philosophy 3 yrs (VV1M)

Philosophy and Politics 3 yrs (VLM2)

See also Politics, Philosophy and Economics

## Entrance Requirements

### A-level:

ABB

### All applicants:

There are no specific subject requirements to study Philosophy, however, if you plan to study Philosophy as a Joint Honours degree you should refer to the subject requirements for the other course.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## Student Experience

There is an active, student-run Philosophy Society and the department is also the home of the Belfast branch of the Royal Institute of Philosophy, which organises regular talks and seminars by distinguished visiting philosophers.

## CAREERS/FURTHER STUDY

### Skills to Enhance Employability

Queen's takes the employability of its students very seriously. Tailored careers advice and study guidance are available to all students throughout their time at Queen's.

### Close Links with Employers

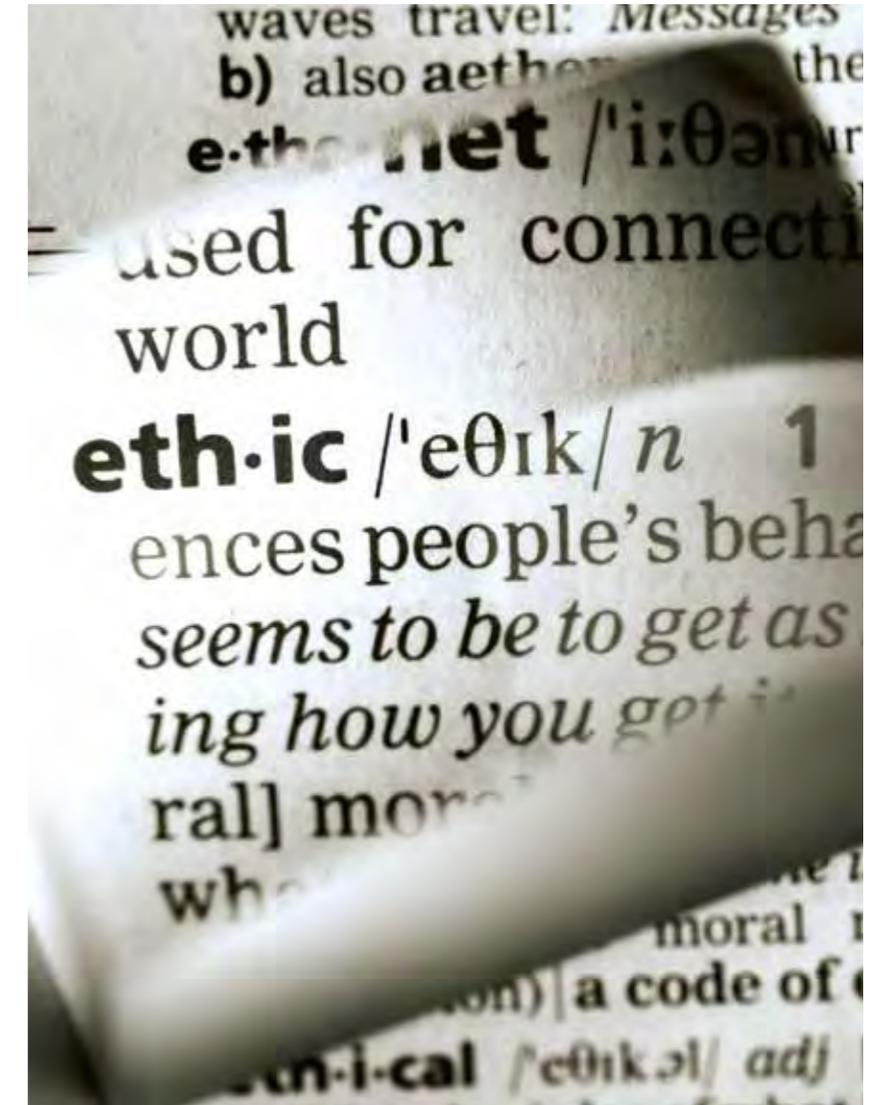
The School has an active Employers' Forum that is used to forge links with national and international employers. Queen's philosophy graduates go on to an unlimited range of occupations in the public and private sectors, including the Civil Service, local government, the media, policy analysis, the voluntary sector, teaching, journalism, business, marketing and advertising. Career destinations of our students have included the BBC, the Diplomatic Service, the NHS, International House, RPS Belfast and the Belfast Education and Library Board.

### Further Study

For those wishing to pursue further study after their first degree, the School provides MPhil Master of Philosophy and PhD Doctor of Philosophy options; see the School website for further information.

"To anyone considering studying Philosophy at Queen's I would wholeheartedly recommend it. Having the opportunity to study with lecturers who are not only respected in their field but also enthusiastic about teaching really does make for a fantastic and rewarding experience. The whole faculty has a unique atmosphere where both students and staff have a genuine passion for the subject which makes for a great university experience. If you're on the fence at all bite the bullet and go for it!"

Craig Henderson  
BA Philosophy Graduate



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School of History, Anthropology,  
Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

# PHILOSOPHY AND POLITICS

This programme is designed to provide students with an intellectual training in the disciplines of Philosophy and Politics which, while discrete subjects, are complementary and mutually enriching. The combination of Philosophy and Politics allows for the development of an in-depth appreciation of the ideas that help to explain the foundations of the modern world, democracy and political stability.

## COURSE CONTENT

### PHILOSOPHY

The degree programme does not presuppose any prior training in Philosophy and can profitably be taken by those who have studied the subject at school – as well as those who have not.

#### Year 1

Students choose six modules from a range of introductory modules including the following:

- Introductory Logic
- Perspectives on Politics
- Philosophy and Human Nature
- Philosophy and the Good Life

#### Year 2

Students choose six modules that explore the wide range of major debates and inquiry in Philosophy, exploring questions that range from how to understand the mind, to how 'reality' might be understood, to key political theories about how we live as a society. Examples include:

- History of Philosophy
- Knowledge and Reality
- Mind and Language
- Modern Political Thought
- Moral Theories
- Philosophy of Science

#### Year 3

In the final year, students focus on particular areas of specialisation that build on their studies in years 1 and 2. Students will write a dissertation (double-weighted) and choose four modules. Examples of options include:

- Applied Ethics
- Contemporary Critical Theory
- Philosophical Theology
- Philosophy for Children
- Issues in the Philosophy of Science
- Scholastic Ethics
- Scholastic Metaphysics
- Topics in Epistemology
- Dissertation

### POLITICS

Students who intend to study Politics at Levels 2 and 3 must choose between two and five of the introductory modules available in the first year.

#### Year 1

- Comparative Politics
- Contemporary Europe
- Issues in Contemporary Politics
- Perspectives on Politics
- World Politics: Conflict and Peace

#### Year 2

In their second year, students focus on the political, economic and social transformations of the 20th century and beyond, and will be able to advance their conceptual understanding of the field of politics and international relations by studying modules such as: American Politics, British Politics In Crisis?, Deeply Divided Societies, Politics and Policies of the EU, and Security and Technology.

- American Politics
- British Politics In Crisis?
- International Organisations
- Modern Political Thought
- Politics and Policies of the European Union
- Security and Terrorism
- Studying Politics
- The Politics of Deeply Divided Societies

### BA Joint Honours

Philosophy and Politics 3 yrs (VLM2)

See also Politics, and Politics, Philosophy and Economics (PPE)

### Entrance Requirements

#### A-level:

ABB

#### All applicants:

There are no specific subject requirements to study Philosophy and Politics.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

### Year 3

- Arms Control
- Asylum and Migration in Global Politics
- Contemporary Critical Theory
- Contemporary Political Philosophy
- Ethics, Power and International Politics
- Global Resource Politics
- Middle Eastern Politics
- National and Ethnic Minorities in European Politics
- Northern Ireland: A Case Study
- Political Parties and Elections in Northern Ireland
- Challenges to Contemporary Party Politics
- Politics, Public Administration and Policy-making
- Scotland and Northern Ireland: Points of Political Comparison
- Security and Technology
- The Far Right in Western Europe and North America
- The Politics of Irish Literature
- Earth, Energy, Ethics and Economy: The Politics of Unsustainability
- Theories of Global Justice
- US Foreign Policy
- War and Visual Culture
- Women and Politics
- Internship
- The Placement
- Dissertation

**Note:** that this is not an exclusive list and these options are subject to staff availability.



### WHY QUEEN'S?

#### Global Opportunities

Students have the opportunity to spend part of the course studying in other European universities, through our Erasmus programme, and also in the USA and Canada.

#### Industry Links

Internship: students in their final year have the opportunity to secure a semester-long internship, giving them hands-on experience of political issues and policy-making.

Placement: students have the opportunity in the final year to undertake a part-time placement within a local organisation to gain direct experience of policy-making and political decision-making.

Research-led Teaching: Queen's Philosophy department has particular strengths in analytic philosophy. Our faculty work on cutting-edge topics in applied ethics and political philosophy. We have an international reputation for our research in the philosophy of religion, epistemology, and the philosophy of science.

Student experience: we have active student societies for both Politics and Philosophy in the School. We are home to the Belfast branch of the Royal Institute of Philosophy, which organises regular talks and seminars by distinguished visiting philosophers.

### CAREERS/FURTHER STUDY

A degree in Politics and Philosophy provides a stimulating programme of study and intellectual training useful in many walks of life and future career paths. Graduates are equipped with the necessary attributes for graduate employment or postgraduate education and training, and are able to make a difference in whatever future career they choose.

#### Close Links with Employers

The School has an active Employers' Forum that is used to forge links with national and international employers. Graduates go on to an unlimited range of occupations in the public and private sectors – career destinations of our students have included the BBC, the Diplomatic Service, the NHS, International House, Civil Service and major banks.

#### Further Study

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes, each of which can be taken either full-time (one year) or part-time (two years). There are also opportunities to do an MPhil or PhD by thesis; see the School website for information.

#### Entrance requirements

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#### Course information

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w: [qub.ac.uk/happ](http://qub.ac.uk/happ)

# PHYSICS

Physics studies how the universe works – from the smallest atomic nucleus to the largest galaxy. It includes conceptual challenges such as quantum theory, relativity and chaos theory, and lies at the heart of most modern technology – for example the computer, the laser and the Internet.

The Department of Physics and Astronomy has the highest teaching standards and is recognised nationally as being one of the leading centres for research. Physics at Queen's is ranked 19th in the UK (Complete University Guide 2018), while in the most recent assessment of research excellence, REF 2014, 88 per cent of the scientific research carried out by staff was internationally excellent or world-leading. All students are taught by the scientists whose work will be in the next generation of textbooks. This strong link between research and teaching in Physics at Queen's means our graduates obtain one of the best degrees available for understanding our recent scientific advances and can play an important role in our increasingly technological society.

## COURSE CONTENT

Physics may be studied either as a Single Honours degree, as Physics, Physics with Astrophysics, Physics with Medical Applications, Physics with Extended Studies in Europe, Theoretical Physics; or as a Joint Honours degree in conjunction with Applied Mathematics.

### Stage 1

In their first year students study a core of experimental, theoretical and computational Physics, alongside Applied Mathematics. Physics topics include:

- Classical Mechanics
- Electromagnetism
- Light and Optics
- Quantum Theory
- Relativity
- Solid State Physics
- Thermal Physics

Practical work will be performed in our new state-of-the-art teaching centre laboratories. Here students will encounter the physical phenomena learned about in their lectures, as well as computer programming.

Tutorials, based around the lecture courses, give experience in problem-solving and verbal and written communication. Within the course students will receive basic skills training in writing, presentations and personal/career development.

### Stages 2 and 3

At Stage 2, according to degree selection, modules are taken which reveal the excitement of such areas as:

- Astrophysics I
- Atomic and Nuclear Physics
- Quantum Physics
- Optics, Electricity and Magnetism
- Physics of the Solid State

Advanced Laboratory work develops the skills of planning, carrying out and analysing experiments and simulations, and provides opportunities for deepening understanding of the wide applicability of physics.

At Stage 3, a choice of modules is made to develop in-depth understanding of such areas as:

## BSc Honours

Applied Mathematics and Physics 3 yrs (GF13) (see *Mathematical Studies*)

Physics 3 yrs (F300)

Physics with Astrophysics 3 yrs (F3F5)

Physics with Extended Studies in Europe 4 yrs (F308)

Physics with Medical Applications 3 yrs (F3B9)

Theoretical Physics 3 yrs (F340) (see *Mathematical Studies*)

## MSci Honours

Applied Mathematics and Physics 4 yrs (GFC3) (see *Mathematical Studies*)

Physics 4 yrs (F303)

Physics with Astrophysics 4 yrs (F3FM)

Physics with Extended Studies in Europe 5 yrs (F309)

Physics with Medical Applications 4 yrs (F3BX)

Theoretical Physics 4 yrs (F344) (see *Mathematical Studies*)

## Entrance Requirements

### BSc Options

**Applied Mathematics and Physics / Theoretical Physics**

#### A-level:

A (Mathematics) BB including Physics

**Physics with Extended Studies in Europe**

#### A-level:

BBB including Mathematics and Physics  
**\*For French option:** A-level French grade B  
**\*For Spanish option:** A-level Spanish grade B

**Physics / Physics with Astrophysics / Physics with Medical Applications**

#### A-level:

BBB including Mathematics and Physics

## MSci Options

**Applied Mathematics and Physics / Theoretical Physics**

#### A-level:

AAA including Mathematics and Physics

OR

A\* (Mathematics) AB including Physics

**Physics with Extended Studies in Europe**

#### A-level:

AAB including Mathematics and Physics  
**\*For French option:** A-level French grade B  
**\*For Spanish option:** A-level Spanish grade B

**Physics / Physics with Astrophysics / Physics with Medical Applications**

#### A-level:

AAB including Mathematics and Physics

**For students whose first language is not English**

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

- Astrophysics II
- Advanced Electromagnetism and Optics
- Nuclear and Particle Physics
- Physics in Medicine
- Quantum Mechanics and Relativity
- Advanced Solid State Physics
- Professional Skills

Project work entails a major experimental or computational investigation of a particular physics problem. This is undertaken using state-of-the-art equipment installed in the School's new Teaching Centre. This includes projects on ultrasound, MRI and X-ray imaging, gamma ray spectroscopy, lasers, atomic force and scanning tunnelling microscopy, nano-material fabrication and characterisation, and astronomical observations.

## MSci (Master in Science)

These four-year degrees are aimed at the more able and committed students who intend to practise the profession of physics in research and development, in industry or academia, at the highest level.

Single Honours MSci options are available in Physics, Physics with Medical Applications, Physics with Astrophysics, Physics with Extended Studies in Europe and Theoretical Physics. A Joint Honours MSci option is also available in Applied Mathematics and Physics.

Transfer from the three-year BSc degree to the MSci is permitted up to the end of Stage 2. Students who successfully complete the four-year MSci qualify for the degree of MSci (Hons) in the relevant option.

Stages 1 and 2 are identical to those for the BSc degree.

At Stage 3, MSci students also have the opportunity to undertake a Computational project module, which will introduce them to numerical simulations that are fundamental to all areas of physics today.

At Stage 4, specialist modules are available, broadly reflecting research interests of those teaching in the Department. These modules include:

- Cosmology
- High-Energy Astrophysics
- Laser Physics
- Medical Radiation Research Methods
- Molecular Physics
- Planetary Systems
- Plasma Physics
- The Physics of Nanomaterials
- Ultrafast Science

Also in this year, a major project is carried out in association with one of these research areas, with the student working within world-leading research groups. Through this project students gain an intensive insight into modern scientific research. Students can also undertake projects with an outside organisation or company provided the research is approved by the Director of Education. Some projects may result in publications in national and international scientific journals.



# PHYSICS

## WHY QUEEN'S?

### Accreditation:

Our Physics degrees are fully accredited by the Institute of Physics, which puts graduating students on the path to becoming a Chartered Physicist. The exception is the Applied Mathematics and Physics degree which is recognised by the Institute but can also be fully accredited depending on module choices at Stage 2 and above.

### Study Abroad:

Physics with Extended Studies in Europe includes a year spent studying abroad.

### Scholarships and Bursaries:

Students in the School can benefit from scholarships and bursaries provided by the University and by external companies; see the University website for further information.

"I just loved the way Physics was part of everyday life as well as the weird and the wonderful. One day you would learn about holograms, the next day about quarks!"

Barbara Hamill,  
Physics Graduate  
Ophthalmic Photograder in Centre for Experimental Medicine at Queen's

"I enjoyed learning about the fundamental laws that govern the world."

David Mulholland,  
Belfast, Northern Ireland  
MSci Graduate, Postdoctoral Researcher at University of Reading

## CAREERS/FURTHER STUDY

Physics-related jobs are available in research, development, and general production in many high technology and related industries. These include medicine, biotechnology, electronics, optics, aerospace, computation and nuclear technology. Physics graduates are also sought after for many other jobs, such as business consultancy, finance, business, insurance, taxation and accountancy, where their problem-solving skills and numeracy are highly valued.

About a third of our graduates will go on to postgraduate study. Many physics graduates take up careers in education, while a large number are accepted for a PhD programme in Physics, which can enhance employment prospects or provide a path to a research physicist position.

"Crystal physics and medical physics were very interesting, and PAMSOC (the Physics and Applied Maths Society) was fun too!"

Suzanna McVeigh,  
Statistician  
BSc Physics with Astrophysics Graduate

"Physics teaching at Queen's is strongly influenced by current research methods and discoveries. Our students see how fundamental concepts link to recent advances such as the discovery of the Higgs boson, or how the detection of gravity waves could be used to probe massive supernova explosions. Coupled with their experimental and computational skills, our students are trained to effectively apply and communicate their knowledge and insight in a range of scientific and other careers."

Dr Jason Greenwood,  
Physics Director of Education

"Physics allows us to write with a piece of chalk on a blackboard the very structure of the universe and the shape of it. I mean... What's not to love?"

Dara O'Briain

**Physics and Astronomy at Queen's is ranked 19th in the UK.**

(Complete University Guide 2018)

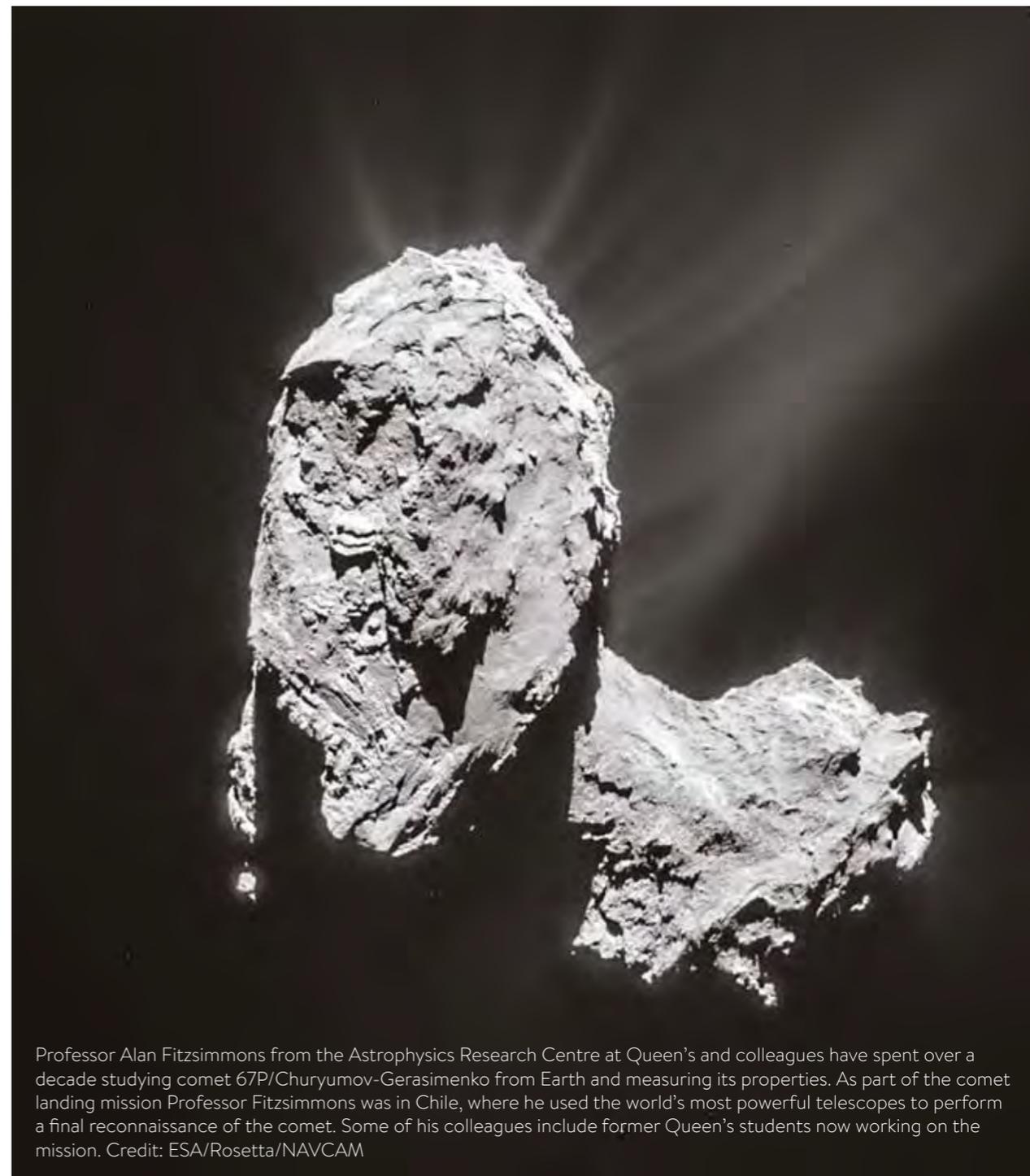
### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Physics Admissions  
School of Mathematics and Physics

e: [mpts@qub.ac.uk](mailto:mpts@qub.ac.uk)  
t: +44 (0)28 9097 3517  
w: [qub.ac.uk/mp](http://qub.ac.uk/mp)



Professor Alan Fitzsimmons from the Astrophysics Research Centre at Queen's and colleagues have spent over a decade studying comet 67P/Churyumov-Gerasimenko from Earth and measuring its properties. As part of the comet landing mission Professor Fitzsimmons was in Chile, where he used the world's most powerful telescopes to perform a final reconnaissance of the comet. Some of his colleagues include former Queen's students now working on the mission. Credit: ESA/Rosetta/NAVCAM

# PLANNING, ENVIRONMENT AND DEVELOPMENT

Planning is about changing the places within which we live – how we can transform and improve our cities, towns, villages, neighbourhoods and communities. It affects our everyday lives and is an extremely exciting discipline to study at university.

A planning degree provides students with the knowledge and skills to be able to make decisions that shape the processes of growth and development. We currently face many major challenges – attracting investment, creating jobs, protecting the environment, energy policy, housing supply, transport links, providing local amenities – and planning affects how these things happen. Therefore, as future planners you will have a very important role to play in shaping the future.

Planning is a broad subject matter and planners perform many different roles relating to the natural, physical, economic, social and cultural environments that we live in. Given this, planning offers a wide spectrum of employment opportunities. Studying planning will equip you with the knowledge to understand how cities, towns, villages, communities and neighbourhoods function and operate, and then have the skills to make decisions that shape how they grow and prosper.

## COURSE CONTENT

The aim of this degree is to develop the professional skills necessary to work in the broad field of planning practice and development management. Graduates will have the skills to enable them to participate in the design and development of the built environment, and a range of other related professions.

In providing an accredited pathway to the planning profession (worldwide), the degree develops knowledge on a wide range of themes such as the economic, social and political context within which planning operates. Furthermore, a range of transferable skills, such as mediation, advocacy, communication and IT skills, are developed which can be applied in a range of international careers.

### Level 1

Level 1 assumes no prior knowledge of planning and provides an overall introduction to the key issues, processes and professional skills required for planning practice, plus the history and evolution of planning as a profession and academic discipline. This includes projects that promote group working, oral presentations, academic writing, design and GIS skills and the use of specialist software.

### Level 2

Level 2 provides a more detailed appreciation of planning, with modules examining topics such as economics, climate change and planning theory. It includes two key projects, one that develops skills in spatial planning policy, and another that promotes understanding of the development management process. Students are also given an opportunity to further develop skills in design issues and are introduced to the social aspects of planning activity.

### BSc Honours

Planning, Environment and Development 3 yrs (K430)

### Entrance Requirements

#### A-level:

BBB + GCSE Mathematics grade C

#### BTEC Extended Diploma:

A BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit + GCSE Mathematics grade C

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

### Level 3

Level 3 develops a greater theoretical understanding of planning. In the first semester students have the opportunity to study for three months at a European university as part of the Erasmus programme. Students remaining at Queen's will study, in depth, some of the key and cutting-edge planning issues and debates that currently face the planning profession. These are studied from a variety of geographical, political and cultural perspectives. In the second semester all students are required to complete an independent research project. The second semester also includes modules in law, infrastructure and transport, and conservation.

### WHY QUEEN'S?

**Ranking:** In the recent National Student Survey, Queen's Planning was ranked joint 3rd in the UK, with an overall student satisfaction rate of 94 per cent. Planning at Queen's is also 4th in the Guardian University Guide 2018 and 5th in the Times and Sunday Times Good University Guide 2018.

**Accreditation:** this degree is accredited by two professional bodies: the Royal Town Planning Institute (RTPI) and the Royal Institution of Chartered Surveyors (RICS). To

gain accreditation from the RTPI, students are required to complete a fourth year of study (not necessary for RICS). In each case completion of academic studies must be followed by a period of work experience and assessment of professional competence.

### CAREERS/FURTHER STUDY

Although the majority of our graduates pursue careers in planning, the knowledge and skills developed also enable them to develop careers in a wide range of other sectors both in the UK and abroad. Recently, for example, graduates have found employment in China, the USA and New Zealand.

Career sectors that have attracted our graduates in recent years include planning authorities (Northern Ireland, Great Britain and the Republic of Ireland), private planning practice, management, design consultants, housing authorities, health trusts, conservation and environmental organisations, teaching (particularly geography), countryside stewardship, software development and various graduate programmes.

This degree is closely aligned to the requirements of the planning sector and draws on practitioners as guest lecturers. We regularly consult with employers, and

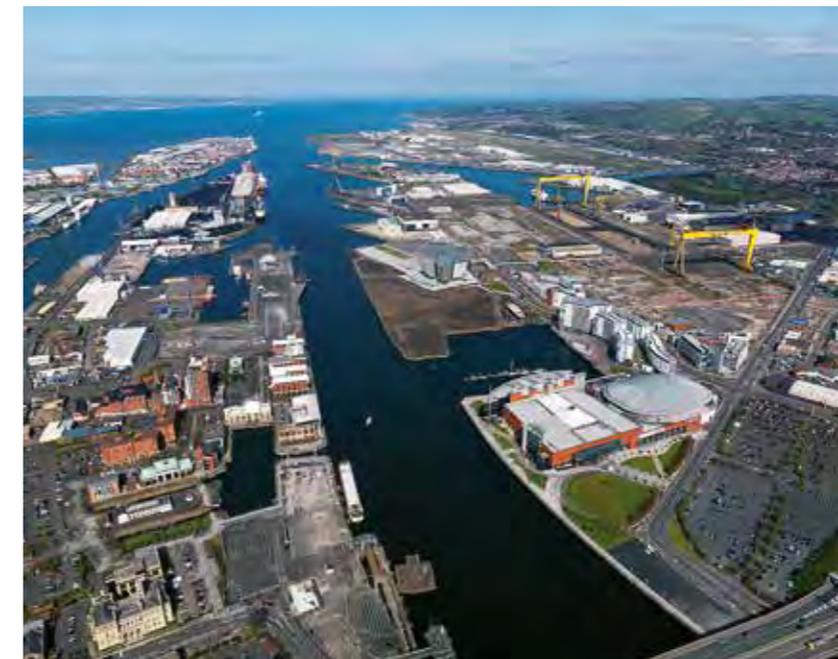
links are further enhanced through formal partnership meetings with the bodies that accredit our courses (RICS and RTPI).

We have developed strong relationships with, for example, the Northern Ireland Housing Executive, the Planning Division of the Department for Infrastructure, and the Department for Regional Development, and draw on such experts in the design of the degree.

Many of our graduates go on to one of our two Master's programmes to complete their RTPI accreditation, or other postgraduate training, including PhD study; see the School website for further information.

**"A challenging and rewarding degree, which gives abundant opportunities to its students in all aspects of planning and employment."**

Tierna McVeigh,  
Crumlin, Northern Ireland  
Planning Graduate, currently studying for a Master's degree



**94% of Queen's Planning students are satisfied with their course, ranking us joint 3rd in the UK.**

(National Student Survey 2017)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Philip Boland  
School of Natural and Built Environment

e: [p.boland@qub.ac.uk](mailto:p.boland@qub.ac.uk)  
t: +44 (0)28 9097 6564  
w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)



# POLITICS, PHILOSOPHY AND ECONOMICS

The Politics, Philosophy and Economics (PPE) degree is based on the view that, to understand public phenomena, one must approach them from several disciplinary directions. This degree illuminates how these three areas complement one another:

- Politics acquaints students with the institutions and processes that produce decisions governing our lives
- Philosophy develops analytical rigour, the ability to reason logically, critically and ethically
- Economics helps in understanding government policy and the choices facing businesses, governments and society

## COURSE CONTENT

In order to ensure that students studying on the PPE degree have sufficient grounding in all three subjects, they have a prescribed list of four modules at both Levels 1 and 2 (with two optional modules each year). At Level 3, students have greater flexibility in terms of their module choices, having the option to substitute either a dissertation or internship in place of some of their modules.

### Level 1

Students take:

- Two Economics modules
- One Politics module
- One Philosophy module

And have two choices.

### Level 2

Students take two core interdisciplinary modules designed specifically for PPE students to show how politics, philosophy, and economics are deeply intertwined:

- Democracy and Ethics and Economics
- Politics and Economics of the Devolved UK
- They also take two other core modules:
- Macroeconomic Policy and Performance
- Moral Theories

And take two additional modules of their choice, with module choices across all three subjects. The following provides an indicative list of the range of module choices at Level 2:

- American Politics
- History of Philosophy
- Industrial Organisation
- International Organisations
- International Relations
- Knowledge and Reality
- Managerial Economics
- Modern Political Thought
- Mind and Language
- Politics and Policies of the European Union
- Scholastic Ethics
- Security and Terrorism
- Studying Politics
- The Politics of Deeply Divided Societies
- Data Analysis and Optimisation
- British Politics in Crisis?

### Level 3

Students take the equivalent of six modules: either a double-weighted dissertation, or double- or single-weighted internship; and modules from at least two of the three subject areas of Politics, Philosophy and Economics. Students can also spend a semester abroad at Level 3.

### Modules

The module choices available to PPE students cover a wide range of topics in each of the three subjects. In Economics, modules cover issues such as labour economics, public economics, and economic history. In Philosophy, topics include ethics, metaphysics, and philosophy of science. Politics options include development, comparative political behaviour and institutions, foreign policy and international relations, and issues of gender and ethnic minorities.

## BA Honours

Politics, Philosophy and Economics 3 yrs (LV00)

See also Politics, Philosophy, Economics

## Entrance Requirements

### A-level:

AAA + GCSE Mathematics grade B

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

**Note:** that this is not an exclusive list and these options are subject to staff availability. **Dissertation:** in their final year, students can opt to write a dissertation based on a research topic of their choice and under one-to-one supervision by an academic with specialist knowledge in the chosen field.

## WHY QUEEN'S?

Studying PPE at Queen's has several unique advantages:

- Studying in Belfast, a regional political and economic capital city, allows for one to interact directly with key decision makers in the area
- Situated on the island of Ireland, the PPE degree at Queen's offers a unique international setting
- Studying Politics, Philosophy, and Economics in a divided society allows one to explore how these subjects work to shape conflict
- Small class sizes promote the building of close friendships and networks

## Placement

Students have the opportunity in the final year to undertake a part-time placement within a local organisation to gain direct experience of policy-making and political decision-making.

## Global Opportunities

Study Abroad: students have study opportunities in other European universities through our Erasmus programme, and also in the USA and Canada.

## Industry Links

The School offers a range of employment placements where students can gain real-world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

## Student Experience

Our uniquely supportive pastoral care/personal tutor system is equalled only by the academic guidance available. Our vibrant PPE Society provides a welcome and stimulating environment for new students. We have students from around the UK, Ireland, Europe and the wider world, ensuring a rich mix of students with different experiences and backgrounds.

## Research Methods

Students will develop core skills in analytical research methods necessary for analysing political and economic data.

## CAREERS/FURTHER STUDY

A PPE degree provides a stimulating programme of study and intellectual training useful in many walks of life and future career paths. Graduates are equipped with the necessary attributes for graduate employment or postgraduate education and training, and are able to make a difference in whatever future career they choose. PPE graduates enter careers in areas such as marketing, journalism, broadcasting, education, the Civil Service, equal opportunities, banking, business, public relations, local government, and even politics itself.

## Further Study

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes. There are also opportunities to do an MA in Politics and an MPhil or PhD by thesis; see the School website for information.

“The School is of not too large a size as to be impersonal, and therefore the relationships between the students and with the staff were strong and highly inclusive. The relatively small intake of the PPE programme meant that across all three years there were plenty of opportunities to interact with the other students, and the PPE society always had great socials as well as academic events. Even though I'm now in London I return to Belfast quite often to catch up with friends now working in Northern Ireland or studying at Queen's.”

Ed Livingstone, BA Politics, Philosophy and Economics (2013)

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School of History, Anthropology, Philosophy and Politics

e: [happ@qub.ac.uk](mailto:happ@qub.ac.uk)  
t: +44 (0)28 9097 5028  
w: [qub.ac.uk/happ](http://qub.ac.uk/happ)



# PRODUCT DESIGN ENGINEERING

The main objective of this engineering degree is to produce graduates with a broad and balanced set of skills and attributes required for the design and manufacture of innovative technical products. It is a variant of the Mechanical Engineering degree which, after first year, focuses on design process methodology, materials, manufacturing and analysis.

The integrated curriculum connects content from different modules through team-based and individual projects, which act as a core activity each year.

## COURSE CONTENT

### Stage 1

The emphasis is on engineering science fundamentals. Additionally:

- CAD modules develop a key skill needed for project work in subsequent years
- Short projects concentrate on dissection and analysis of existing products
- The Introduction to Product Design module develops specific skills related to ideation, problem-solving and design methodology

### Stage 2

Student projects form a significant part of Stage 2, focusing on the production and testing of prototypes, along with an understanding of the influence of manufacturing processes on design. Supporting modules enable the application of relevant technical knowledge, professional skills and attributes.

### Stage 3

In Stage 3, BEng students undertake a major individual project while MEng students work in groups on their major project.

Additional industry-focused project activities are supported by a number of external collaborators. Engineering science subjects focus on materials, manufacturing and computer-aided analysis.

### MEng (Stage 4)

Advanced modules focus on engineering design, analysis and materials. Students also carry out an individual project, where they apply their engineering skills to an area of

cutting-edge technology. These projects are closely associated with industry and with the School's research interests.

## WHY QUEEN'S?

**Accreditation:** both the BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

**International Reputation:** the School has an international reputation for its contributions to the development of engineering education by playing a leading role in the CDIO initiative ([cdio.org](http://cdio.org)).

**Industry-led:** teaching is carried out in the context of conceiving, designing, implementing and operating products or systems; hence better preparing graduates for professional practice.

**Ability to Transfer:** BEng students who demonstrate a high level of performance may be invited to transfer to the equivalent MEng degree at the end of Stage 2.

**Placements:** the School actively encourages one-year work placements, offering preparation through its employability programme and support through its dedicated placement officer.

**Study Abroad:** students have the opportunity to work or study outside the UK through the IAESTE, Erasmus, Study Abroad and Study USA programmes. In recent years students have been placed in Argentina, Australia, Brazil, Canada, Finland, France, Japan, Malaysia and the USA.

## BEng Honours

Product Design Engineering 3 yrs (H150)

Product Design Engineering with a Year in Industry 4-yr SW (H151)

## MEng Honours

Product Design Engineering 4 yrs (H152)

Product Design Engineering with a Year in Industry 5-yr SW (H155)

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC.

#### BTEC Higher National Diploma:

Those with good grades in a relevant Higher National Diploma will be considered on their individual merits for entry to Stage 2.

### MEng

#### A-level:

AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** applicants for the MEng degree will automatically be considered for admission to the BEng degree if they are not eligible for entry to the MEng degree both at initial offer making stage and when results are received.

**Option to Transfer:** transfers between BEng and MEng may be possible at the end of Stage 2.

### For student whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

"I found the Product Design Engineering degree to be very applicable to working life as an engineer. The practical, hands-on design approach I learnt in university has stood me in good stead to tackle a great breadth of projects."

Fiona Bennington,  
MEng graduate (2011)

The MEng degree currently offers the opportunity to spend a period of up to one year studying abroad as part of the Erasmus exchange programme.

## CAREERS/FURTHER STUDY

Graduates have been successful in gaining high-quality jobs in the discipline of product design engineering. The majority are working in manufacturing companies or design consultancies in the UK and Ireland. Their broad skill sets and experience have enabled them to fit in equally well in both small, dynamic companies and larger organisations.

Graduates have secured jobs in a variety of sectors including automotive, domestic appliances, design consultancy, electronics, packaging, materials handling, polymers, renewables, aerospace and medical devices. Companies employing recent graduates include Glen Dimplex, Dyson, Lotus, Survitec, Rockwell Collins, Terex, Leckey Design, Seven Technologies, Whale, Solmatix, Andor, Kingspan Environmental, Nacco, Intel, Accenture.

Whilst the vast majority of graduates are employed in product design or design engineering, some others have developed careers in other sectors such as management and education.

### Further Study

Further study is also an option – several students have gone on to study for a PhD. The course provides excellent preparation for Doctoral studies within the School, particularly in the areas of advanced materials and manufacturing. A few have chosen to study for a Postgraduate Certificate in Education (PGCE), becoming Technology or Mathematics teachers.



We put emphasis on hands-on, project-based learning and invest heavily in our state-of-the-art facilities and flexible project spaces to support this activity.

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
The Director of Education  
School of Mechanical and  
Aerospace Engineering

e: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)  
t: +44 (0)28 9097 4117  
w: [qub.ac.uk/mechaero](http://qub.ac.uk/mechaero)

# PSYCHOLOGY

Psychology is the scientific study of behaviour and the mind: you'll study how we think and learn; how we develop and age; how we differ from one another; how we interact, collaborate and sometimes conflict with each other. You'll consider the extent to which these behaviours are influenced by both nature and nurture, and you'll also explore animal behaviour which reveals the contrasts that make us uniquely human. As you'll see, our Psychology degree is diverse and stimulating. Our graduates are confident, independent achievers who have numerous professional career pathways open to them.

## COURSE CONTENT

Over the first two years of the programme, we cover a diverse syllabus, approved by our accrediting professional body, the British Psychological Society (BPS), which provides a solid foundation across the full range of Psychology's core domains:

- Biological Psychology
- Cognitive Psychology
- Conceptual and Historical Issues in Psychology
- Developmental Psychology
- Research Methods, Qualitative and Quantitative Data Analysis
- Individual Differences
- Social Psychology

### Level 1

Provides a gentle introduction to Psychological theories of the core domains, research methods and the application of Psychology in everyday life. We deliver this through a variety of engaging and interactive teaching methods including lectures, small-group tutorials and practical laboratory classes.

### Level 2

Builds more detailed knowledge of the core domains whilst developing critical and analytical thinking skills. Our subject specialists use a mixture of theoretical and practical teaching methods to hone the skills required to be a successful graduate. At the end of Level 2, you'll have the opportunity to enhance your employability and practice your psychological skills within the workplace, by taking a year-long professional work placement, working with one of our many partners across the private, public and voluntary sectors.

### Level 3

Allows you to tailor your Psychology degree according to your individual interests. Our Level 3 students choose their modules from a selection designed to explore current developments across many domains of Psychology; all delivered by our cutting-edge researchers.

Have a look at our School's website for details of current module offerings which change year-on-year. In previous years, for example, our students have looked at how we can change public behaviour using subtle "nudges"; the dark side of personality; the psychology of music; youth and political violence; and why elite sports people sometimes "choke" under pressure. For students who don't wish to take a year-long work placement before starting Level 3, we also offer our 'Insights into Graduate Employment' module. Since 2013, we have placed students with one of our many employer-partners to work on a 6-8 week project applying psychology in the workplace.

All of our students complete their degree in Psychology by submitting a research project thesis at the end of Level 3. This independent research is completed under the supervision of our expert academic staff, who will be with you every step of the way on your transition to becoming a graduate Psychologist.

Throughout your time with us, you'll develop a wide range of transferable skills which make our graduates so appealing to employers. Psychology offers an arguably unique grounding in both qualitative and quantitative research skills, meaning our graduates have high verbal and numerical competencies.

## BSc Honours

Psychology 3 yrs (C800)

### Entrance Requirements

#### A-level:

ABB + GCSE Mathematics grade C.

There are no specific subject requirements at A-level, so don't worry if you haven't studied Psychology before.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

"For anyone considering Psychology at Queen's, I would encourage you wholeheartedly to go for it. The staff, facilities and resources available won't disappoint. The biggest draw for me was the impressive staff. Most professors work on their own research while also teaching and I enjoyed the idea of being taught by world leaders that are active within the field of psychology."

Jessica Geiger, California, USA

You'll have well developed organisation and self-management skills and be confident communicators to both small and large groups of people, using a range of media. Equipped with team-working and leadership experiences, you'll not only be able to problem solve with critical insight, but lead others to do so too. All this on top of your insights into the mind and behaviours of others, and yourself.

### WHY QUEEN'S?

**Research-led Teaching:** the most recent Research Excellence Framework (REF 2014) placed the School among the UK's top 20 Psychology, Psychiatry and Neuroscience departments in terms of both research intensity and research impact. Our impact reflects how the School's research is informing policy makers, developing industry partnerships and ultimately touching on the lives of thousands of individuals. We're at the forefront of ground breaking research which you'll find embedded throughout our teaching.

**State of the Art Facilities:** we have a range of state of the art specialist equipment and laboratories where our cutting-edge research takes place. As a student, you'll have the opportunity to use many of these facilities during the research projects you'll undertake as part of your degree. For example, we have a brand new animal behaviour research lab, brain stimulation labs, virtual reality and motion-capture technology, eye-tracking devices, a child development observation lab, a postural control and aging lab and a large psychometric test library.



### CAREERS

Our degree is accredited by the BPS, meaning our graduates qualify for membership of our professional society (MBPsS grade), provided the minimum standard of a 2:2 degree classification is achieved. Throughout your three years at Queen's, you'll see we have embedded employability skills and opportunities which will prepare you for the world of work after graduation.

Our Psychology graduates excel in a wide variety of careers including management consultancy, journalism, human resources, teaching, social work, marketing and accountancy to name but a few. Others complete postgraduate qualifications to become practitioner psychologists, specialising in Clinical, Educational, Health, Occupational and Sport and Exercise Psychology.

### FURTHER STUDY

Further study is required to become a practitioner psychologist or academic researcher. We offer professional doctorate degree programmes in Clinical Psychology and also in Educational, Child and Adolescent Psychology, in addition to a doctoral research (PhD) programme. We also offer master's degree programmes as a stepping stone to these competitive and prestigious professional programmes – Please visit our website for our current postgraduate opportunities.



**Employability is embedded into our degree programme for all students, and has been commended by the BPS and graduate employers. Students now have the opportunity to extend this to a full year paid placement.\***

\*Subject to successful application to the placement programme

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
The Secretary for BSc Psychology  
School of Psychology

e: [psychology@qub.ac.uk](mailto:psychology@qub.ac.uk)  
t: +44 (0)28 9097 5445  
w: [psych.qub.ac.uk](http://psych.qub.ac.uk)

# SOCIAL POLICY AND SOCIOLOGY

Social policy explores how we can improve human wellbeing through tackling intractable social problems and delivering better-quality public services. As an applied and critical social science, you will gain knowledge and understanding of contemporary government policies, their impacts, and consider how we can achieve improvements.

Sociology is a scientific discipline concerned with the explanation of social life and human behaviour of all kinds. It equips students with the skills to understand the breadth of social practice, ranging from the global (including conflict, security, climate change and social justice) to individual experiences (such as the body, beliefs and mental health).

Drawing on multidisciplinary ideas from politics, sociology, economics and law, this course helps create highly relevant and versatile graduates with the ability to enter employment at local, national and international levels.

## COURSE CONTENT

### Stage 1

#### Compulsory modules

- Introducing Social Policy
- Rethinking Society
- Introducing Criminology
- Themes and Issues in Social Policy
- Digital Society
- Sociological Imagination

### Stage 2

#### Compulsory modules

- Welfare in Theory and Practice
- The Power of Social Theory
- Qualitative Research Skills
- Quantitative Research Skills
- Social Inequalities and Diversity
- Ageing and the Lifecourse

### Stage 3

#### Compulsory modules

- Policy Briefing Paper
- Gender, Family and Social Policy
- Contemporary Irish Society
- Disability and Society

#### Optional modules

- Religion: Death or Revival
- Modern Families, Intimate and Personal Relationships
- Norms and Social Change

## WHY QUEEN'S?

### Award-winning Teaching

Students in the School are educated in a dynamic academic environment by award-winning teaching staff, and in a recent government-sponsored review of research, staff in the School achieved 'world-leading' and 'international excellence' status for the high quality of their research work.

### Prizes

The highest achieving students are awarded the Lockheed Prize annually.

### Study Abroad

Students have the opportunity to spend time studying in one of our linked universities in Europe.

### BA Joint Honours

Social Policy and Sociology 3 yrs (LL43)

See also [Criminology and Social Policy](#)

#### Entrance Requirements

##### BA Criminology and Social Policy

A-level:

ABB

##### BA Social Policy and Sociology

A-level:

BBB

**All applicants:** there are no specific subject requirements to study Social Policy and Sociology.

**For students whose first language is not English**

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Social Policy and Sociology graduates are ideally placed for work in a range of occupations, including the Civil Service, public services, policy analysis, media, research, teaching, business, the voluntary sector, commerce, marketing and management. Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching. Tailored careers advice and study guidance is available to all students throughout their time at Queen's.

Studying for a Social Policy and Sociology degree at Queen's will assist you in developing the core skills and employment related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

The diversity of interests and topics covered in the discipline, plus the wide range of skills it equips you with, means that our students enter a wide range of careers on graduation. These include the public sector (eg social services, education, criminal justice, social work), private sector (eg market research, policy analysis, human resources), and third sector (eg policy analyst, researcher, youth support worker, charity fundraiser). A number of our students also go on to postgraduate study, on a full- or part-time basis.

The following is a list of some of the employers that have attracted graduates from the School in recent years:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Commission for Victims and Survivors NI
- Santander
- Belfast City Council
- Ipsos Mori
- South Eastern Library Board
- REED
- Ulster University
- Queen's University Belfast

### Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

“Sociology and Social Policy was a perfect fit for me and I've grown to really love both disciplines. Over the last three years I've been inspired by my lecturers' passion and commitment for their work and it has urged me on to carve a career path where I can work on projects that I love and feel passionate about also. In August I got a job working for NISRA and I'm currently placed in the department for communities doing policy research. It's such a great feeling to have walked out of university and into a job where I am doing work that I really feel is worthwhile. This would not have been possible without the inspiration and motivation that I received from all my lecturers.”

Lauren Kinnear, BA Social Policy and Sociology



#### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

#### Course information

Dr Bronagh Byrne, Programme Director for BA Joint Honours Social Policy and Sociology School of Social Sciences, Education and Social Work

e: [b.byrne@qub.ac.uk](mailto:b.byrne@qub.ac.uk)  
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w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)

# SOCIAL WORK

The BSW degree is a professional qualification in Social Work accredited throughout the UK and recognised in the Republic of Ireland and elsewhere. The programme is a mixture of academic study and assessed practice learning opportunities. Practice learning opportunities involve full-time work in a social work agency (85 days at Level 2 and 100 days at Level 3) supported and assessed by a Practice Teacher. A wide range of social work agency partners are an integral part of the development and delivery of the programme.

## COURSE CONTENT

Modules often draw on international comparisons with a strong Irish (North and South) emphasis. Specialist teaching on the impact of the 'Troubles' is a feature of the BSW degree.

### Level 1 (Undergraduate Route)

- Introduction to Social Sciences for Social Work
- Law for Social Workers
- Themes and Issues in Social Policy
- Psychology for Social Work
- Social Work Theory and Preparation for Practice Learning
- Sociology for Social Work

### Level 2 (Undergraduate Route)

- Social Work in Context
- Research, Policy and Practice
- Social Issues across the Life Course
- Practice Learning Level 2
- Evidence Informed Case Study Level 2

### Level 2 (Relevant Graduate Route)

- Introduction to Social Sciences for Social Work
- Law for Social Workers
- Social Work Theory and Preparation for Practice Learning
- Practice Learning Level 2
- Evidence Informed Case Study Level 2

### Level 3 (Undergraduate and Relevant Graduate Routes)

- Social Work with Children and Families
- Social Work in Adult Services
- Social Work in Criminal Justice and the Courts
- Practice Learning Level 3
- Evidence Informed Project Level 3

## WHY QUEEN'S?

### Top-ranking

Social Work at Queen's is ranked 9th in the UK (Times and Sunday Times Good University Guide 2018).

### Professional Accreditations

The Northern Ireland Social Care Council (NISCC) accredits the BSW degree, followed by the Assessed Year in Employment (in Northern Ireland only).

### Professional Qualification

Following an Assessed Year in Employment (AYE), graduates will be professionally-qualified social workers.

### Funding

There is a non-means-tested financial support package for all Northern Ireland-domiciled students studying in Northern Ireland; for further details and to check your eligibility, please visit the Department of Health website ([health-ni.gov.uk](http://health-ni.gov.uk)). Please note that all Health and Social Services bursaries are currently under review and may be subject to change.

### International Opportunities

There are opportunities whilst on the Social Work degree to participate in summer visits to other countries to explore social work education and practise in an international context, including Germany and the United States.

### Prizes

High-achieving students are awarded Brian Rankin prizes annually with a medal presented to the highest achieving graduate each year.

## BSW Honours

Social Work (Undergraduate Route) 3 yrs (L500)

Social Work (Relevant Graduate Route) 2 yrs (L501)

## Entrance Requirements

### A-level:

ABB + GCSE Mathematics grade C or an equivalent qualification acceptable to the University

**Graduates:** minimum standard 2.2, applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University.

**Relevant Graduate Entry:** students with a relevant Honours degree (minimum standard 2.2) will be considered for admission to a shortened two-year course leading to the Bachelor of Social Work (BSW) degree. Applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University.

A relevant degree is deemed to be an Honours degree where at least one third of the course passed at Honours level comprises one or more of the following: Sociology, Psychology, Social Policy/ Social Administration; and degrees in Law, Teaching, Nursing, Community Work, Youth Work, Early Childhood Studies or other cognate subjects.

Graduates in any other subjects (minimum standard 2.2) who have successfully completed a Postgraduate Certificate in Education (PGCE) will also be considered. The classification of the applicant's degree and employment experience in the social work field are taken into account in the selection process.

### All applicants:

1. Because of the professional nature of the course, a satisfactory Access NI check and registration with the Northern Ireland Social Care Council are required.
2. Applicants are advised to have some experience in employment or voluntary work of a social work nature.
3. Applicants being considered for an offer will be interviewed to assess their suitability for Social Work training. The interview is organised on a regional basis enabling eligible candidates to have a single interview for all Northern Ireland Social Work programmes.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## CAREERS/FURTHER STUDY

Studying for a Social Work degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including social work.

### Close Links with Employers

At the heart of the delivery of the degree in social work in Northern Ireland is the sense of partnership between academic institutions, practice learning providers, organisations employing social workers, the Northern Ireland Social Care Council (NISCC), students, and service users and carers. At Queen's this is given expression through a standing committee, the Collaborative Partnership at Queen's (CPAQ).

### Employers

We have excellent links with a large number of employers across the statutory, voluntary and community sectors including, for example, Health and Social Care Trusts, the Probation Board Northern Ireland and voluntary organisations such as NSPCC, Barnardos, Bryson House, Women's Aid and Positive Futures, all of whom provide practice learning opportunities to our students.

Our past students have also gained employment with a wide range of organisations such as:

- Health and Social Care Trusts
- NSPCC
- Barnardos
- Positive Futures
- Extern
- Probation Board for Northern Ireland

### Graduate Careers and Achievements

Although the majority of our graduates are interested in pursuing careers in social work, some do develop careers in a wide range of other sectors.

Social workers are employed throughout the statutory and voluntary social services. There are many career development opportunities leading to specialist posts and to the highest levels of management within statutory and voluntary social services agencies.

The typical starting salary of graduates six months after graduation is between £21,000 and £22,000 with 90 per cent of graduates finding employment (source: Unistats).

### Further Study

Further study is also an option open to social work graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

**Social Work at Queen's is ranked 9th in the UK in the Complete University Guide 2018.**

"The degree equips students with the knowledge, values and skills required for effective social work practice. We have developed important partnerships with service user and carer organisations across Northern Ireland who assist us in these important aspects of teaching. At a very early stage in the course, students visit these groups in their own community settings as part of their teaching on the real meaning of social work values."

Dr Joe Duffy, Lecturer in Social Work

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

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Programme Director  
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Dr David Hayes,  
Programme Director  
(Relevant Graduate Route)

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w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)

# SOCIOLOGY

Sociology is a scientific discipline concerned with the explanation of social life and human behaviour of all kinds. It equips students with the skills to understand the breadth of social practice, ranging from the global (including conflict, security, climate change and social justice) to individual experiences (such as the body, beliefs and mental health). Through theoretical tools and methodological techniques, Sociology at Queen's provides students with a unique way of interacting with the world as critical and engaged citizens.

## COURSE CONTENT

The Sociology team's diverse research interests translate into an exciting and dynamic programme, with opportunities to study a diverse range of subjects, such as:

- Childhood, families and gender
- Conflict, deviance, violence and peace building
- Environmental security
- Health, illness and care
- Inequalities, poverty and social exclusion
- Religion and extremism
- Research methods and data skills (quantitative and qualitative)

In first year, you will learn to think sociologically and explore the sociological imagination using up-to-date research, from studies on Facebook to romance and dating. Our key module Digital Society allows students to critically reflect on the role of technology in our daily lives, from surveillance to 'Big Data'.

In second year, you will be introduced to classical and contemporary theories, and develop proficiency in quantitative and qualitative research methods. You will gain skills in using the most widely used software, for example, SPSS and NVivo.

In final year, students design and undertake their own research project, under the guidance of a dedicated supervisor. A key aspect of final year is the ability to choose from the specialist Sociology options, reflecting the team's research interests.

## WHY QUEEN'S?

### Personal Tutor

You will be assigned a personal tutor during induction. This member of academic staff will provide one-to-one support and mentoring throughout your studies at Queen's.

## Peer-mentoring Scheme

We offer a peer-mentoring scheme for Sociology students, with the support of staff and the Centre for Educational Development.

## Study Abroad

Students have the opportunity to spend time studying in one of our linked universities, including in Spain (Barcelona) and Sweden (Lünd).

## Prizes

The Lockheed Prizes are awarded annually to students for the Bachelor of Arts degrees taking Single, Major or Joint subjects in Sociology, Social Policy and Social Work.

## Research-led Teaching

Sociology is taught by a group of internationally recognised sociologists who specialise in areas such as family, childhood, religion and conflict.

## CAREERS/FURTHER STUDY

Your degree in Sociology will equip you with a range of transferable skills that are highly sought in a wide variety of fields in the contemporary jobs market. Sociology graduates are found in a range of occupations, including management, communication, marketing, sales, retail, journalism, media research and publishing, youth and community work, charities and the voluntary sector, healthcare, social and civil services, and education. Sociology is also a good fit for a variety of careers in business: it develops the ability to gather and evaluate evidence, to engage in critical analysis, and to understand and explain complex problems and situations.

## BA Single Honours

Sociology 3yrs (L300)

## BA Joint Honours

Criminology and Sociology 3 yrs (ML93)

English and Sociology 3 yrs (QL33)

History and Sociology 3 yrs (VL13)

Social Policy and Sociology 3 yrs (LL43)

See also Social Policy, Social Work and Sociology with Quantitative Methods

## Entrance Requirements

### A-level:

BBB for BA Single Honours and BA Joint Honours except BA Joint Honours with Criminology for which the requirements are ABB.

### All applicants:

There are no specific subject requirements to study Sociology, however, if you plan to study Sociology as a Joint Honours degree you should refer to the subject requirements for the other course.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

Our graduates have worked for organizations beyond and within Northern Ireland, such as:

- Northern Ireland Statistics and Research Agency (NISRA)
- Belfast Child
- Johnsons Solicitors
- PricewaterhouseCoopers
- Lloyds Banking Group
- Barnardos
- Northern Ireland Housing Executive

There is a range of postgraduate study options available at Queen's, and within the School we offer the MRes Master's in Social Science Research, which provides the opportunity to develop and significantly advance skills in research methods, as well as substantive topics and theoretical debates.

"My Sociology degree opened my eyes about the world - I now question everything and my curiosity has grown! It has helped in my current job as I developed my analytical and problem-solving skills, which are essential for the workplace."

Anna Savage  
BA Sociology graduate (2017)  
Statistical Officer, NISRA

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

Dr Véronique Altglas  
Lecturer in Sociology  
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t: +44 (0)28 9097 3581  
w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)



# SOCIOLOGY WITH QUANTITATIVE METHODS

This programme combines the curiosity of social inquiry with the quantitative skills required to collect and analyse social data. Students receive tuition in a core social science discipline (Sociology) together with advanced skills in quantitative social research. The degree is a key component of the Queen's Q-Step Centre as it helps to address the critical shortage of quantitatively-skilled social science graduates. The need for such graduates is evidenced in the British Academy's position paper 'Society Counts' which argues that "Well-rounded graduates, equipped with core quantitative skills, are vital if the UK is to retain its status as a world leader".

## COURSE CONTENT

Modules emphasise the development of both practical 'hands on' data skills and traditional academic learning. Students will receive training in both their substantive discipline (Sociology) and in quantitative research design, methods and analysis.

### Core quantitative methods modules

#### Stage 1

- Visualising the Social World
- Researching the Social World

#### Stage 2

- Theory Counts
- Social Identity: Differences and Inequalities

#### Stage 3

- Quantitative research project and dissertation
- Researching Change Across the Life Course
- Comparing the Local and the Global

### Sociological modules:

- Rethinking Society
- Introducing Social Policy
- Sociological Imagination
- Digital Society
- The Power of Social Theory
- Qualitative Research Skills
- Social Inequalities and Diversity
- Childhood Matters
- Contemporary Irish Society
- Ageing and the Life Course
- Modern Families, Intimate and Personal Relationships

## WHY QUEEN'S?

### Unique Opportunity

Queen's is one of only a small group of universities in the UK which, through being part of the Nuffield Foundation/Economic and Social Research Council 'Q-Step Centres' initiative, is offering Sociology combined with Quantitative Methods training. The degree provides unique opportunities to tackle quantitative data analysis in a professional environment through short-term placements provided by a select group of employers.

Further information can be found on the Queen's Q-Step website at: [qub.ac.uk/sites/QStep](http://qub.ac.uk/sites/QStep)

### Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

### Prizes and Awards

The highest-achieving students in Sociology are awarded the annual Lockheed Prize. We also support our students entering essays to the annual Undergraduate Awards.

## BSc Honours

Sociology with Quantitative Methods 3 yrs (L301)

See also Social Policy and Sociology

## Entrance Requirements

### A-level:

BBB including Mathematics

OR

BBC + AS-level Mathematics grade B

OR

ABB + GCSE Mathematics grade B

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

There is a recognised shortage of social scientists trained in quantitative methods to meet the demand from employers across all sectors – business, government, charities and academia. Studying Sociology with Quantitative Methods at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers.

The diversity of topics covered in the discipline, plus the wide range of research and analytical skills it equips you with, means that our students enter a wide range of careers on graduation. The Economic and Social Research Council's useful guide 'Social Science by Numbers' outlines career options for social science graduates with quantitative skills and includes short biographies of people working in a variety of jobs and sectors:

"You find quantitative social scientists working almost anywhere – as advisors and analysts for governmental and non-governmental organisations, in the pharmaceutical industry and health services, business, agriculture and lobby groups, and as lecturers and researchers in academia."

### Further Study

Further study is also an option. You can choose from a wide range of Master's degrees as well as a comprehensive list of research areas.



**Queen's is one of only 15 universities across the UK, and the only one in Ireland, that have been funded\* as part of Q-Step initiative to promote a step-change in undergraduate quantitative social science training.**

\*Funded by ESRC, Nuffield Foundation and HEFCE.

"Without Q-Step it's a simple fact that I would not be where I am right now – doing a fully funded quantitative PhD. Q-Step took the fear factor out of stats, showed how stats can be useful, and supported me alongside the University department. The Q-Step programme funded an internship and my dissertation – high points on my dissertation. Q-Step really helped me stand out."

Karl Ferguson, BSc Sociology

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

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School of Social Sciences, Education and Social Work

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t: +44 (0)28 9097 5261  
w: [qub.ac.uk/ssesw](http://qub.ac.uk/ssesw)

# SOFTWARE AND ELECTRONIC SYSTEMS ENGINEERING

Much of modern life is based on devices and systems that are built on the interaction between software and electronics. This has fuelled advances in both the everyday, such as games consoles and smartphones, and the specialist, such as surveillance systems, smart vehicles and life-saving medical implants. This is the only computing degree at Queen's which includes the design of computing hardware as well as software.

We are one of the few research-led UK university departments that can offer a truly integrated degree at the fast-moving interface between software and electronics disciplines. Using the example of a mobile phone, normally you need an electronics engineer to design the hardware (physical components of the phone) and a software engineer to write the programs to make it work. Someone with this degree, however, could design the whole mobile phone.

## COURSE CONTENT

### BEng

This degree requires three years of full-time study plus an optional sandwich year in industry, which is usually taken after Stage 2. Transfer from the BEng degree to the MEng is possible subject to satisfactory performance. The programme contains the following themes:

#### Stage 1

- Circuits and Communications
- Design Projects
- Electronics
- Embedded Systems
- Mathematics
- Object-oriented Programming

#### Stage 2

- Circuits and Control
- Computation Theory
- Database Systems
- Data Structures and Algorithms
- Design Projects
- Electronics
- Embedded Systems
- Mathematics
- Networks and Communications
- Professional Practice
- Signals and Communications
- Software Engineering

### Stage 3

- Agile and Lean Software Development
- Concurrent Programming
- Connected Health
- Control Systems Engineering
- Digital Systems Architecture and Design
- Individual Project
- Industrial Project (MEng only)
- Information System Security
- Networks and Communications Protocols
- Professional Studies
- Signal Processing and Communications
- Software Engineering
- Software Testing and Verification

### Stage 4 (MEng)

This four- or five-year extended degree is designed to provide a supply of well-qualified graduates who will become future industry and business leaders. The first three years are mostly common with the BEng degree and there is an optional sandwich year in industry. The themes include:

- Advanced Software Engineering
- Algorithms Analysis and Application
- Applied Cryptography
- Computer Architecture and Organisation
- Design Project
- High Performance Computing
- Intelligent Systems and Control

### BEng Honours

Software and Electronic Systems Engineering 3 yrs (GH6P)

Software and Electronic Systems Engineering with a Year in Industry 4-yr SW (GH67)

### MEng Honours

Software and Electronic Systems Engineering 4 yrs (GH6Q)

Software and Electronic Systems Engineering with a Year in Industry 5-yr SW (GH68)

## Entrance Requirements

### BEng

#### A-level:

BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT (not Applied), Physics or Software Systems Development, Technology and Design or Double Award Applied Science.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit. Distinctions will be required in stipulated relevant units.

#### BTEC Higher National Diploma:

Those with good grades in a relevant Higher National Diploma will be considered on their individual merits for entry to Stage 2.

### MEng

#### A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT (not Applied), Physics or Software Systems Development or Technology and Design.

#### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** MEng applicants will automatically be considered for admission to the BEng if they are not eligible for entry to the MEng, both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BEng and MEng may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

“Software and Electronic Systems Engineering at Queen's gave me the unique opportunity to study both Computer Science and Electronic Engineering modules, both of which I was highly interested in.”

Stephen Laide,  
Naas, Republic of Ireland  
BEng Software and Electronic Systems Engineering  
Joint award winner of the Allstate NI Hackathon 2014

- Network Security and Monitoring
- Project
- Real-Time DSP
- Wireless Communications Systems
- Wireless Sensor Systems
- Malware Analysis

## WHY QUEEN'S?

**Facilities:** the School has a world-class reputation for research and provides excellent facilities, including access to major research centres in Secure Information Technologies (CSIT), Electronics, Communications and Information Technology (ECIT) and Sonic Arts (SARC).

**Scholarships:** students may be eligible for scholarships, eg the Schrader Electronics Scholarship and the Civica Scholarship which support at least one student each per year from across a range of the School's subject areas. Both scholarships are worth up to £25k each (see the School website for further information).

## CAREERS/FURTHER STUDY

Graduates in both software and electronics are highly sought-after locally, nationally and internationally. Graduates of this degree may apply for jobs in software, electronics or those combining both. There are excellent, well-paid career prospects across a wide spectrum of positions: design; research; development; production; marketing and sales in industries such as avionics and space; telecommunications and broadcasting; connected health and medical electronics; consumer electronics and gaming; computing and software; embedded systems and electronic security.

We regularly consult and develop links with a large number of employers including, for example, Civica and Schrader Electronics Ltd, who provide sponsorship for our students, as well as Liberty IT and Kainos who are members of the employer liaison panel for the degrees.

### Further Study

Further study is also an option – graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.



**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
School of Electronics, Electrical Engineering and Computer Science

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t: +44 (0)28 9097 5436  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)

# SOFTWARE ENGINEERING

Software is a fundamental part of today's 'digital society', controlling everything from the results that are displayed when you use a search engine, and how we interact on social media, through to mobile gaming. Without software, the forms of communication, interaction and knowledge-processing that we all take for granted today could not exist. In the future, software will become so embedded in our lives that virtually all of our human processes will be affected by the design and development of software. In particular, software engineers are concerned with developing and maintaining software systems in a manner that is efficient, reliable and affordable. Software engineers must also understand the needs of those who will use the software, and be able to create products that are capable, safe and intuitive.

This degree programme is designed to equip graduates with the analytical, reasoning and practical skills they will need to design, develop and deploy various software solutions such as individual app or game development and large enterprise software systems.

## COURSE CONTENT

These degrees teach the fundamental principles of Software Engineering, together with the necessary skills, tools and techniques to enable our graduates to embark on careers as professional software engineers. Special emphasis is placed on individual and team-based software development projects in preparation for industry, which contains the following themes:

### Year 1

- Programming
- Computer Architecture, Networks and Databases
- Introductory Software Engineering
- Rigorous Problem-solving

### Year 2

- Advanced Programming (including Java, C++ and Android)
- Architecture and Networks
- Data Structures, Algorithms and Programming Languages
- Information Modelling
- Software Engineering

Students on a sandwich programme will spend a year on a paid full-time placement. The School has links with over 500 local, national and international employers, eg, BT, Liberty IT, Civica, Kainos (Belfast), IBM (England), Microsoft, Oracle (Dublin), Fujitsu (Japan) and Siemens (Germany), and students are assisted in obtaining placements.

### Year 3

- Data Analysis and Visualisation
- Artificial Intelligence and Advanced Data Analytics
- Agile and Lean Software Development
- Advanced Computer Architecture
- Concurrent Programming
- Software Design Principles and Patterns
- Information System Security
- Secure Software Design
- Software Testing
- Software Engineering Project

These advanced modules permit each student to tailor their skills towards one or more areas of software engineering specialism.

### BEng Honours

Software Engineering with a Year in Industry 4-yr SW (G604)

### MEng Honours

Software Engineering 4 yrs (G602)

Software Engineering with a Year in Industry 5-yr SW (G605)

## Entrance Requirements

### BEng

#### A-level:

BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

OR

ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 120/100 credits at Distinction and 60/80 credits at Merit + GCSE Mathematics grade C.

### BTEC Higher National Diploma/ Foundation Degree:

Those with good grades in a relevant Higher National Diploma/Foundation Degree will be considered individually on their merits for entry to Stage 2 + GCSE Mathematics grade C.

### MEng

#### A-level:

AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

OR

AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

### BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit + GCSE Mathematics grade C.

#### All applicants:

Computer Science, Computing and Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these degrees at the end of first year, subject to meeting the normal progression requirements.

**Note:** applicants for the MEng degree will automatically be considered for admission to the BEng degree if they are not eligible for entry to the MEng degree both at initial offer making stage and when results are received.

#### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

### Year 4 (MEng)

This four- or five-year extended degree has been established to provide a supply of particularly well-qualified graduates who will become industry leaders. It has a blend of Software Engineering and Computer Science knowledge and skills. Students can undertake a year of professional experience. The first two years and much of Stage 3 are common with the BEng, and transfer from the BEng to the MEng is possible for selected students at the end of Stage 2, subject to satisfactory performance. Stage 4 themes include:

- Advanced Software Engineering
- Algorithms: Analysis and Applications
- High Performance Computing: Principles of Parallel Programming
- Advanced Machine Learning
- Software Engineering Research and Development Project

These advanced modules permit each student to tailor their skills towards one or more areas of software engineering specialism.

## WHY QUEEN'S?

**Industry-led Teaching:** emphasis is on professional and practical application of software engineering, and students are encouraged to build strong links with local software engineering companies through employer involvement in projects, lectures and other forms of teaching contact.

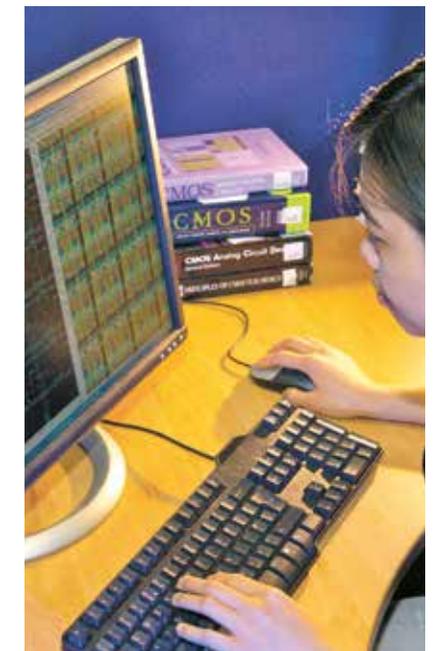
**Scholarships:** due to the high demand for Software Engineering graduates, some 15–20 scholarships are available, including some sponsored by Civica, Citi and Liberty IT, worth up to £25k. All provide a cash stipend each academic year, a guaranteed industrial placement, an opportunity for additional part-time work during the academic year, plus the opportunity of a position on graduation. For further information on these and other scholarships available, see the School website.

## CAREERS/FURTHER STUDY

Studying for a Software Engineering degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Our graduates have had unparalleled job opportunities over the years, both locally and internationally. Because of the achievements of Queen's graduates already in the software engineering profession, a Software Engineering degree from Queen's is a highly respected qualification.

The majority of graduates take up posts associated with software design and implementation. The types of career open to Software Engineering graduates include software developer, systems analyst, web designer, games developer, programmer, IT consultant, and project manager, in fields as diverse as finance, games, pharmaceuticals, health care, research, consumer products, and public services – virtually all areas of business.



### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

School of Electronics, Electrical Engineering and Computer Science

e: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
t: +44 (0)28 9097 1194  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)

# SOFTWARE ENGINEERING WITH DIGITAL TECHNOLOGY PARTNERSHIP

This is a degree apprenticeship. Those applying to the programme will be employed as an apprentice of a leading technology employer and will combine traditional university study with work-based learning. For further information on the employers that this programme is offered in partnership with, please see the Course Finder page accessible at [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder).

Software is a fundamental part of today's digital society, controlling everything from the results that are displayed when you use a search engine, through to how we interact with others on social media or access on-demand content on mobile devices. In the future, virtually all of our human processes will be affected by the design and development of software.

Developed through a very close partnership with employers, the degree apprenticeship is designed to equip graduates with the analytical, reasoning and practical skills they will need to succeed as professional software engineers. This includes developing software systems in a manner that is efficient, intuitive, reliable and affordable.

## COURSE CONTENT

The degree teaches the fundamental principles of Software Engineering together with the necessary skills, tools and techniques to enable our graduates to succeed as professional software engineers. In the first two years of the programme, apprentices will develop a broad technology foundation that will underpin later learning. During the final two years of the programme, apprentices will flexibly combine specialist University modules with employer-based work experience.

### Year 1

Apprentices will establish a solid foundation in:

- Programming
- Computer Architecture and Networking
- Databases
- Software Engineering
- Rigorous Problem-solving

### Year 2

Apprentices will build their foundational knowledge to include more:

- Software Development Processes and Practices
- Software Engineering
- Information Modelling
- Computer Architectures and Networking
- Data Structures and Algorithm Analysis
- Professional Computing Practice

In addition to establishing a solid foundation in the above area, apprentices will also develop through on-the-job learning with their employer outside of term-time (for example, working with their employer over the summer months).

## BEng Honours

Software Engineering with Digital Technology Partnership 4-yr SW (G606)

### Entrance Requirements

#### A-level:

BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

OR

ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

#### BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 120/100 credits at Distinction and 60/80 credits at Merit + GCSE Mathematics grade C.

#### BTEC Higher National Diploma/ Foundation Degree:

Those with good grades in a relevant Higher National Diploma/Foundation Degree will be considered individually on their merits for entry to Stage 1 + GCSE Mathematics grade C.

#### All applicants:

Please note that the course is open only to applicants who are Northern Ireland, Great Britain or European Union for tuition fees purposes.

Applications will be academically assessed by the Admissions and Access Service. Academically eligible applicants will be asked to complete a supplementary application form which will be assessed by the employer. Applicants successful at this stage of the process will then be invited to attend an assessment centre from which the final successful candidates will be chosen.

Applicants who are not shortlisted for admission to this course will automatically be considered for entry to the BEng Software Engineering degree.

#### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

### Year 3/4

In Year 3 and Year 4 of the programme, apprentices will study a number of modules that will permit them to develop specialism in key areas of software engineering. Currently this includes the following options:

- Data Analysis and Visualisation
- Artificial Intelligence and Advanced Data Analytics
- Agile and Lean Software Development
- Machine Learning
- Advanced Computer Architecture
- Concurrent Programming
- Software Design Principles and Patterns
- Information System Security
- Secure Software Design
- Malware Analysis
- Software Testing
- High Performance Computing
- Software Engineering Project

Apprentices will complete one semester of University study in both Year 3 and Year 4. The remaining time will be devoted to on-the-job learning with their employer.

### WHY QUEEN'S?

Our computing courses are well established and are closely aligned with the needs of employers. Over the last decade, we have enabled thousands of graduates to succeed as professionals within the technology sector.

Other than providing a high-quality education, we also run a wide range of extra-curricular events that expose our students to emerging technologies and provide an opportunity to explore how technology can be used to tackle important problems.

Our courses are delivered within a recently constructed, start-of-the-art facility that provides access to hundreds of modern computers alongside a diverse and flexible range of individual and group study spaces.

### CAREERS/FURTHER STUDY

As this is a degree apprenticeship, by applying for this course you will also be applying for a job with a leading technology employer. If you are accepted onto the course, as an apprentice, you will receive

a salary to cover your university study and the on-the-job learning. In addition to this, you will not have to pay any student fees.

At the end of the degree apprenticeship you can look forward to receiving a highly regarded software engineering degree from Queen's University alongside career progression opportunities with your employer.

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
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**Course information**  
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Programme Leader  
School of Electronics, Electrical  
Engineering and Computer Science

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t: +44 (0)28 9097 1194  
w: [qub.ac.uk/eeecs](http://qub.ac.uk/eeecs)



# SPANISH AND PORTUGUESE STUDIES

Spanish and Portuguese is an integrated degree which enables students to gain an in-depth knowledge of two major world languages, and the modules on offer reflect the diversity of cultures in Spanish and Portuguese-speaking countries across the globe. All students follow modules in Spanish and in Portuguese language which are of a broadly communicative nature, focusing on contemporary Spanish/Hispanic and Lusophone social and cultural issues and drawing on authentic materials. The degree takes four years to complete (which includes the study abroad year).

## COURSE CONTENT

### Level 1

Students are required to take one core language module in each subject area, the Introduction to Lusophone Studies optional module, and Introduction to Iberian Studies or Introduction to Latin American Studies optional module in the relevant semester.

#### Core Modules

- Spanish 1 OR Intermediate Spanish OR Spanish for Beginners
- Portuguese 1
- Introduction to Lusophone Studies

#### Optional Modules

- Introduction to Iberian Studies
- Introduction to Latin American Studies

### Level 2

Students are required to take one core language module in each subject area plus two optional modules in the relevant semesters. The Portuguese modules are specially designed for students studying Portuguese and the level has been 'pitched' linguistically to reflect the ab initio access point of entry. Students on this pathway are, therefore, strongly advised to take the Portuguese optional module.

#### Core Modules

- Spanish 2
- Portuguese 2

#### Optional Modules

- Issues and Cultures of the US-Mexico Borderlands
- Afterlives: Rogues and Mystics of the Spanish Golden Age
- Representations of Lusophone Africa in Postcolonial Cinema
- Spanish Memoirs and Autobiographies
- The Fantastic in Latin America

#### Year Abroad Modules

- Working and Studying Abroad
- International Placement

### Level 3

Students are required to take one core language module in each subject area plus two optional modules in the relevant semesters. The Portuguese modules are specially designed for students studying Portuguese. Students on this pathway are, therefore, strongly advised to take the Portuguese optional module.

#### Core Modules

- Spanish 3
- Portuguese 3

#### Optional Modules

- Rewriting Love in the Renaissance
- Identity, Sex and Sexuality in Post-Revolutionary Cuba
- Brazilian Digital Culture: Trends and Topics
- Failed Romances of Latin American Literature
- Imperfect Heroines: Spanish Fiction in the 19th and 20th Centuries

## BA Honours

Spanish and Portuguese Studies 4 yrs (RR45)

In addition, Portuguese may also be studied as part of the following degrees:

Archaeology with Portuguese (BA) 4 yrs (V4R5)

French and Portuguese (BA) 4 yrs (RR15)

International Business with Portuguese (BSc) 4 yrs (N2R5)

See also Spanish Studies

## Entrance Requirements

### Post A-level Spanish:

ABB including A-level Spanish.

**Note:** For applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish.

### Beginners Spanish:

ABB + GCSE Spanish grade B or evidence of linguistic ability in another language.

**Note:** the Beginners option is not available to those who have studied A-level or AS-level Spanish.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Global Opportunities

This pathway affords significant opportunities for professional development and training in a global context. After stage 2, you will spend an academic year working or studying in a Spanish- and Lusophone-speaking country (eg a semester in each country as an Erasmus or exchange student at one of our partner universities). Students have the possibility of acquiring valuable professional experience by teaching in a school, undertaking a work placement, or doing voluntary work; they may also elect to study at a Spanish and a Brazilian/Portuguese university.

### Industry Links

Graduates of Spanish and Portuguese have risen to the top in a number of fields, including media, print journalism, translating, marketing, local government, fast-stream Civil Service, and a very wide range of local, national and international companies.

### Internationally Renowned Experts

Spanish and Portuguese at Queen's has world-leading experts in Spanish/Latin American and Brazilian/Portuguese literature and culture. Research in Languages at Queen's was ranked 3rd in the UK in the Research Excellence Framework (Times Higher Education rankings based on REF 2014) for Research Intensity and 5th for Grade Point Average.

### Student Experience

Students run a lively Spanish and Portuguese Society, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

"We are looking for graduates who can be our future leaders who demonstrate qualities of courage, judgement and breadth. Where do we find such qualities? Linguists or arts graduates."

Miles Cowdry,  
Director of Global Corporate Development, Rolls Royce PLC

## CAREERS/FURTHER STUDY

### Careers

Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

Typical careers pursued by graduates in Spanish and Portuguese can include media and communications, publishing, advertising, education/teaching, translation/interpreting, journalism, PR, fast stream Civil Service, tourism and banking. Graduates are particularly in demand in careers requiring a high level of communication and presentation skills, as well as strong critical and analytical thinking.

### Employer Links – Consultations

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council who provide sponsorship for our year abroad placements as well as Rolls Royce, PricewaterhouseCoopers and Moy Park/MARFRIG who are members of the employer liaison panel for the course.

### Further Study

Further study is also an option open to graduates of Spanish and Portuguese. Students can continue to our MRes programme, which will be tailored to a student's particular interests, and will involve a combination of guided study and independent research. The MRes can lead on to a PhD programme.



"Equal time is dedicated to both languages and to time spent in both countries. The highlight of my degree was studying at the University of São Paulo in Brazil during my year abroad. Being able to study at a top Latin American university, in an amazing city with incredible people has been invaluable both to my language skills, and my cultural awareness of a fascinating country."

Jacqueline Gallagher,  
Northern Ireland  
BA Spanish and Portuguese Studies  
Graduate (2014)

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Gabriel Sanchez, Head of Area  
(Spanish and Portuguese Studies)  
School of Arts, English and  
Languages

e: [g.sanchez@qub.ac.uk](mailto:g.sanchez@qub.ac.uk)  
t: +44 (0)28 9097 3636  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# SPANISH STUDIES

This degree analyses a wide variety of literary, historical, social, cultural and linguistic aspects of Spanish-speaking countries across the globe. All students follow modules in Spanish language which are of a broadly communicative nature, focusing on contemporary Spanish/Hispanic social and cultural issues and drawing on authentic materials. The degree takes four years to complete (which includes the study abroad year). All our classes are taught in small groups, giving students the opportunity to participate fully in discussions and receive detailed personalised feedback on their work.

## COURSE CONTENT

### Level 1 Modules

- Spanish 1
- OR
- Intermediate Spanish
- OR
- Spanish for Beginners
- Introduction to Iberian Studies
- Introduction to Latin American Studies
- 5th and 6th modules to be chosen from agreed list

### Level 2

#### Core Module

- Spanish 2

#### Optional Modules

- Issues and Cultures of the US-Mexico Borderlands
- Afterlives: Rogues and Mystics of the Spanish Golden Age
- Spanish Memoirs and Autobiographies
- The Fantastic in Latin America

#### Year Abroad

- Working and Studying Abroad
- International Placement

### Level 3

#### Core Module

- Spanish 3

#### Optional Modules

- Rewriting Love in the Renaissance
- Inner Journeys
- Failed Romances of Latin American Literature
- Imperfect Heroines: Spanish Fiction in the 19th and 20th Centuries

## WHY QUEEN'S?

### Global Opportunities

After stage 2, you will spend an academic year working or studying in a Spanish-speaking country. Students have the possibility of acquiring valuable professional experience by teaching in a school, undertaking a work placement, or doing voluntary work; they may also elect to study at a Spanish university.

### Industry Links

Graduates of Spanish have risen to the top in a number of fields, including media, print journalism, translating, marketing, local government, fast-stream Civil Service, and a very wide range of local, national and international companies.

### World-Class Facilities

Queen's Library has an outstanding collection of resources relating to Spain and Latin America. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

### Internationally Renowned Experts

Spanish at Queen's has world leading experts in Spanish and Latin American literature and culture. Research in Languages at Queen's was ranked 3rd in the UK in the Research Excellence Framework (Times Higher Education rankings based on REF 2014) for Research Intensity and 5th for Grade Point Average.

### Student Experience

Students run a lively Spanish and Portuguese Society, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

### BA Single Honours

Spanish 4 yrs (R410)

### BA Joint Honours

Anthropology and Spanish 4 yrs (LR64)

English and Spanish 4 yrs (QR34)

French and Spanish 4 yrs (RR14) (see page 190)

History and Spanish 4 yrs (RV41)

International Studies and Spanish 4 yrs (LRF4)

Irish and Spanish 4 yrs (QR54)

Politics and Spanish 4 yrs (LR24)

In addition, Spanish may also be studied as part of the following degrees:

### BA Honours

Archaeology with Spanish 4 yrs (V4R4)

### BSc Honours

Accounting with Spanish 4 yrs (N4R4)

Economics with Spanish 3 yrs (L1R4)

International Business with Spanish 4 yrs (N1R4)

### LLB Honours

Common and Civil Law with Spanish 4 yrs (M2R4)

### MSci Honours

MSci Chemistry with Spanish 5 yrs (F1R4)

For Science with a Language/Extended Studies in Europe please see Science entries

## Entrance Requirements

### Post A-level

#### A-level:

ABB including Spanish.

Note: for applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish.

#### Beginners' level

#### A-level:

ABB + GCSE Spanish grade B or evidence of linguistic ability in another language.

Note: the Beginners' option is not available to those who have studied A-level or AS-level Spanish.

#### All applicants:

If you plan to study Spanish as a Joint Honours degree or as part of a BSc/LLB/MSci degree you should refer to the subject requirements for the other course.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## CAREERS/FURTHER STUDY

Studying for a Spanish degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

Queen's has a strong focus on employability and 94.4 per cent of Queen's graduates are in employment or further study 6 months after graduation (HESA Destination of Leavers from Higher Education Survey, 2015/16)

Although the majority of our graduates are interested in pursuing careers in law, business, banking and translation, significant numbers develop careers in a wide range of other sectors. Typical careers pursued by graduates in Spanish can include publishing, education/teaching, translation/interpreting, PR, fast stream Civil Service, and banking.

### Consultations

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council, who provide sponsorship for our year abroad placements as well as Rolls Royce, PwC and Moy Park/MARFRIG who are members of the employer liaison panel for the course.

### Placement Employers

Our past students have also gained work placement with organisations such as the British Council Assistantships Programme, Santander Bank, and PwC.

### Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures, for example:

- Hilary Oliver, Managing Director, Cameo Productions
- Carla Leonard, Business Performance Manager, Barclays
- Nuala McKeever, Comedian
- Niall Donnelly, Reporter, UTV

### Further Study

Further study, including Master's programmes, is also an option; see the School website for further information.



"I've really enjoyed my time studying Spanish at Queen's. The lecturers are all really friendly and approachable, and the small class sizes make it easy to get to know your tutors and classmates. The language classes are well-organised and cover all aspects of language learning, such as grammar and vocabulary acquisition, conversational fluency and contextual cultural information."

Emer O'Toole, BA Spanish (2017)

**Modern Languages and Linguistics at Queen's were ranked 5th in the UK in for research (Times Higher Education rankings based on REF 2014). Modern Languages at Queen's are also ranked in the top 200 in the world (QS World Rankings by Subject 2017).**

**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
Dr Gabriel Sanchez, Head of Area (Spanish and Portuguese Studies)  
School of Arts, English and Languages

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t: +44 (0)28 9097 3636  
w: [qub.ac.uk/ael](http://qub.ac.uk/ael)

# STRUCTURAL ENGINEERING WITH ARCHITECTURE

Structural Engineering with Architecture is concerned with the planning, design, construction, sustainability, management, energy use, aesthetics and rehabilitation of the built environment. Fields of activity include architectural design, structures, foundations, building technology, urban space and form and architecture. Structural engineers require not only technical skills, but are also concerned with working in, and managing, multidisciplinary design teams. Structural Engineering with Architecture is one of a family of Civil Engineering degrees at Queen's University Belfast. Civil Engineering was one of the founding degrees at Queen's, making it one of the oldest in the UK and Ireland. Lecturers lead high-quality research, which is reflected in their excellence in teaching.

## COURSE CONTENT

This degree is designed to provide students with a good basis for a professional career, with its emphasis on the application of theory to the practical situation through design, laboratory, field courses and studio work.

### Stage 1

Students study the fundamentals of civil engineering theory and practice. This forms the transition from the basic mathematics and sciences studied at secondary level to the application of engineering. At the end of Stage 1 all students take part in a week-long residential surveying field course.

### Stage 2

The major knowledge of civil engineering subjects, concentrating on structural analysis, and their application within design are developed. Students are introduced to site layout and design, architectural design and the application of communications in a professional context is further enhanced. They work closely with other students on the Environmental Planning programme.

Students on the sandwich degree will take an Industrial Placement Year between Stages 2 and 3 or between Stages 3 and 4.

### Stage 3

Students can now apply their theory in a professional context. They are introduced to building architecture and technologies as well as management and economics. All students also undertake a major individual research project and work closely in design studios with those on the Architecture programme.

### Stage 4

The MEng is an Integrated Master's degree, meaning Stage 4 is set at Master's level. Students develop increased knowledge of structural design related to architecture and business management and work in teams on large integrated designs.

## MEng Honours

Structural Engineering with Architecture 4 yrs (H2K1)

Structural Engineering with Architecture with a Year in Industry 5-yr SW (H2KC)

## Entrance Requirements

### A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT (not applied), Physics, Software Systems Development or Technology and Design.

### BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit. Distinctions will be required in stipulated relevant units.

**Note:** applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB.

**Note:** applicants for the MEng degree will automatically be considered for admission to the BEng Civil Engineering degree if they are not eligible for entry to the MEng degree both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BEng Civil Engineering degree and this MEng may be possible at the end of Stage 2.

### For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)



## WHY QUEEN'S?

**Accreditation:** this degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng), see [jbm.org.uk](http://jbm.org.uk).

**Placement:** many of our students have gained international work placement through organisations such as IAESTE.

**Scholarship Scheme/Employer Links:** we have links with many local, national and international employers, some of whom provide sponsorship through the national QUEST Scholarship Scheme. We also have a Civil Engineering Advisory Panel, which includes members from the major employers.

## CAREERS/FURTHER STUDY

All major building projects require structural engineers for concept, design and construction. They complement the expertise of architects and, with their broad knowledge of structures, materials and services, Structural Engineering with Architecture graduates are ideally suited to this role. They

may also expect to find employment in the expanding area of civil engineering, building management, maintenance and refurbishment.

Our graduates are also to be found in many other areas of employment where the skills and discipline of evaluating facts, decision-making and management have provided them with the basis for rewarding and interesting careers.

Studying for this degree will help you develop the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Many of our former graduates have risen to the top of their fields and include many famous figures, eg Peter Rice (Designer of Sydney Opera House, Centre Pompidou, Louvre Pyramid), and Tan Sri Datuk Chin Fung Kee (led the design and construction supervision of the Penang Bridge, and helped found the University of Malaya, and was Vice-Chancellor).

Although the majority of our graduates pursue careers in Civil Engineering, significant numbers develop careers in a wide range of other sectors.

## Further Study

Further study is also an option open to our graduates – graduates can choose from several Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

## Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

## Course information

Dr D Phillips  
School of Natural and Built Environment

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w: [qub.ac.uk/schools/NBE](http://qub.ac.uk/schools/NBE)

# THEOLOGY

The BA in Theology at Queen's gives students the opportunity to explore theological thinking from a variety of perspectives within the discipline of Theology and Religious Studies. It also offers an important context for understanding how religion affects and shapes society, and how it informs and draws upon insights from other disciplines. Our modules in Theology cover the four core areas of Biblical Studies, Systematics, Church History and Practical Theology and students also take, according to their particular area of interest, courses from Anthropology, English, History and Philosophy. Our teaching and assessment methods range from traditional lecture and seminar-based work, to field-trips and placement activities. Our programme is diverse and inclusive, and we welcome all students who wish to develop breadth of vision and understanding of the place and role of Theology and Religion, in both the past and the present.

## COURSE CONTENT

### Stage 1

#### Compulsory [100 CATS]

- Religion, Faith and Society: Perspectives on belief
- Beyond Paradise: an introduction to the Pentateuch
- Early Church History
- Introduction to Jesus and the Gospels
- Introduction to Practical Theology

20 CATS to be taken from a range of modules from the Faculty of Arts, Humanities and Social Sciences, a sample of which is given below:

- Introduction to Biblical Texts
- Introduction to Biblical Languages
- Introduction to Logic
- Philosophy and the Good Life
- Sounds of the City

### Stage 2

80 CATS to be taken from the following:

- Old Testament Historical Books
- Biblical Theology
- Letters of Paul
- The Revelation of John in Western Interpretation and Imagination
- The Christian Doctrinal Tradition
- In Search of the Good Life: Ethics from Plato to Postmodernity
- C.S. Lewis: Christian author and apologist
- Study of World Religions
- Christianity in Ireland since the Reformation
- Church History Project: Boyne Valley Fieldtrip
- Youth Ministry 1

- The Theology and Practice of Pastoral Care
- 40 CATS to be taken from a range of modules from the Faculty of Arts, Humanities and Social Sciences, a sample of which is given below:

- Modern Political Thought
- Moral Theories
- Knowledge and Reality
- Scholastic Ethics
- Introduction to Critical and Cultural Theory
- History of Philosophy
- Mind and Language
- Introduction to the Philosophy of Science
- Apocalypse! The history and anthropology of the end of the world

### Stage 3

80 CATS to be taken from the following:

- Old Testament Prophetic Texts
- Thinking and Singing: an introduction to the wisdom and lyrical books of the Old Testament
- John
- The Epistle to the Hebrews
- Romans
- Western Christian Spirituality
- Trends in Modern Theology
- Current Issues in Philosophical Theology
- Christianity in the Sixteenth Century
- Church History Fieldtrip to World War I Battlefields
- Missiology
- The Church, Ministries and Society 3
- Youth Ministry 2
- Reconciliation Studies 1
- Dissertation
- Research Project
- Double Dissertation

## BA Honours

Theology 3 yrs (V610)

See also: Divinity

## Entrance Requirements

### A-level:

BBB

### All applicants:

There are no specific subject requirements to study Theology.

Those returning to education after a break will be considered individually on their own merits.

### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

40 CATS to be taken from a range of modules from the Faculty of Arts, Humanities and Social Sciences, a sample of which is given below:

- Philosophy for Children
- Contemporary Political Philosophy
- Applied Ethics
- Philosophy of Law
- Philosophical Theology
- Scholastic Metaphysics
- Philosophy of Science
- In Gods We Trust: the new science of religion
- Women's Writing 1660-1820
- Sociology of Religion
- Rise of Christianity 2: the Conversion of the Roman Empire
- Modernity in Missions: overseas Christian expansion, 1858-1980s

## WHY QUEEN'S?

### Global Opportunities

You will have the opportunity to take part in field trips to Belgium or Italy as well as elsewhere in the UK and Ireland. Erasmus exchanges (typically one semester long) are available in Budapest (Hungary) and Kampen (the Netherlands) or you may avail of the Study USA programme.

### Internationally Renowned Experts

By its very nature, and of necessity, Theology is authentically rooted in and focused on its immediate community setting: accordingly, all College staff are experienced and active practitioners in the Irish and British contexts. In addition, some enjoy international recognition and exposure, or have practised/taught or published, in Europe, North America or the developing world.

### Student Experience

Theology students gave a 93 per cent overall satisfaction rate for their degree in the most recent National Student Survey results 2017, ranked joint 7th in the UK.

### Prizes and Awards

Top-performing students are awarded a scholarship by the Institute of Theology.

## CAREERS/FURTHER STUDY

Gaining your degree from Queen's Institute of Theology will put you in a strong position among UK Theology graduates. The excellent standards of our education are recognised by employers who value the quality of our programmes and recognise the skills of our graduates.

## Close Links with Employers

Theology at Queen's liaises closely with employers to offer guest lectures and on-site visits, amongst other activities. Theology students also take part in tailored employability and skills workshops, developed with the Student Guidance Centre.

## Skills to Enhance Employability

The analytical and communication skills that are essential to theology are also recognised as important attributes for careers in many other areas, so there are job opportunities in many fields for successful graduates. Holders of a Theology degree will have demonstrated through their studies a capacity for assessing problems, exploring solutions and presenting the results of their work in a variety of media.

## Employment after the Course

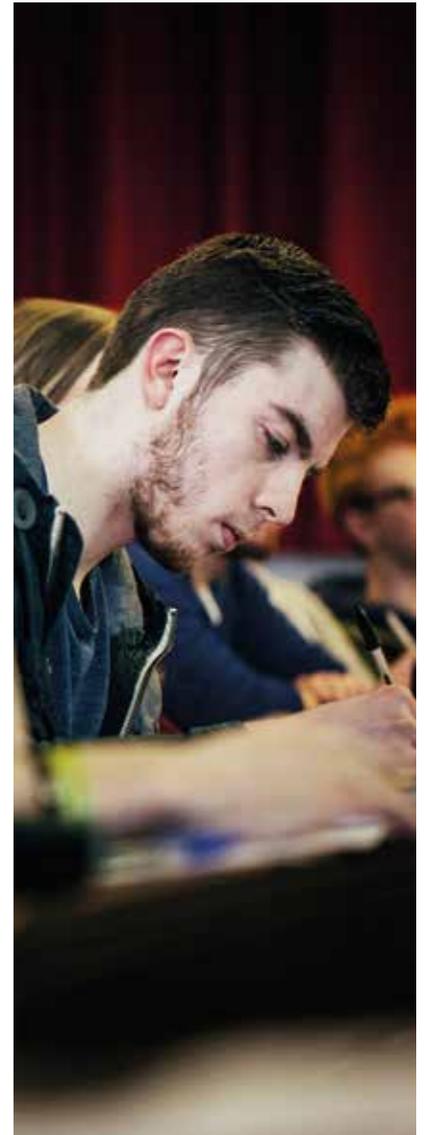
- Social and community workers
- Teachers (primary and secondary)
- Civil servants
- Lawyers
- Journalists and media commentators
- Business, finance and related associated professionals
- Sales and customer services

Graduate employers include DEL, PCI, Lloyds Banking Group, Housing Executive, Health and Social Care Trust.

"I have really appreciated the opportunity to study the Bible in the original languages. It is so rewarding to engage with a second-century manuscript in class and be able to draw understanding from it."

Nathan Wallace, BA Theology

**In the Guardian University Guide 2018, Theology at Queen's was ranked in the top 20 UK universities for Theology and Religion.**



**Entrance requirements**  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

**Course information**  
The Director  
Institute of Theology

e: [theology@qub.ac.uk](mailto:theology@qub.ac.uk)  
t: +44 (0)28 9097 3612/3656  
w: [qub.ac.uk/ithe](http://qub.ac.uk/ithe)

# ZOOLOGY

Zoology is the study of animals, from the simplest invertebrates to the largest land or marine mammals. Simple animals often provide models for the study of higher, more complex species (including humans) and help drive basic research that transcends the subject boundaries.

Animals interact with each other and with their environment, forming complex relationships such that zoologists need a broad understanding of the living world, life processes and the animal kingdom. Exciting progress is being made in animal biology and behaviour, animal health and welfare and in the management of animal communities, making this the perfect time to study Zoology.

## COURSE CONTENT

The BSc in Zoology at Queen's aims to provide students with a broad coverage of the biology of animals and how they interact with other living organisms.

The modules are:

### Stage 1

- Biodiversity
- Molecular Basis of Life
- The World of Microorganisms

This module combination provides students, who may be undecided as to their final specialist degree area, with considerable flexibility as they enter Stage 2. Transfers between BSc and MSci may be possible at the end of Stage 2.

### Stage 2

- Coastal and Oceanic Biology
- Animal Biology and Physiology
- Cell Biology 2
- Cell Biology 1
- Invertebrate Biology
- Applied Ecology
- Applied Genetics
- Microbes in Action
- Work Placement

### Work Placement

- Zoology students can complete a 16-week degree-related work placement
- Zoology with Professional Studies students will complete a one-year, degree-related work placement

Students undertaking the Professional Studies programmes will spend a minimum of 46 weeks in a work placement. During

their placement they will complete project type work and gain a transferable skill set sought by future employers. Preparations for work placements will begin in the first semester of Stage 2. Recent placements have included Harnas Wildlife Foundation (Namibia), Kindred Spirit Elephant Sanctuary (Thailand), Wildfowl and Wetlands Trust.

### Stage 3

- Conservation Biology
- Animal Behaviour
- Future Oceans
- Global Change Biology
- Immunology and Pathogenesis of Infectious Diseases
- Parasitology
- Zoonoses
- Farm Animal Health and Welfare
- Research Project (BSc programmes only)

The research project generally involves practical work carried out in the field and laboratory, or at Queen's University Marine Laboratory in Portaferry, or in one of the many active areas of research in the School of Biological Sciences such as Parasitology and Animal Behaviour.

### Stage 4 (MSci Students only)

- Research Project

The research project generally involves practical work carried out in the field and laboratory or at Queen's University Marine Laboratory in Portaferry, or in one of the many active areas of research in the School of Biological Sciences such as Parasitology and Animal Behaviour. Exciting possibilities are also available abroad with our collaborators involved in conservation projects in Africa, America and Thailand.

## BSc Honours

Zoology 3 yrs (C300)

Zoology with Professional Studies 4-yr SW (C301)

## MSci Honours

Zoology 4 yrs (C302)

Zoology with Professional Studies 5-yr SW (C305)

## Entrance Requirements

### BSc

#### A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

ABB including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

### MSci

#### A-level:

AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Double Award Applied Science or Double Award Life and Health Sciences + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the BSc if they are not eligible for entry to the MSci, both at initial offer-making stage and when results are received.

**All applicants:** It would be an advantage to have studied Chemistry beyond GCSE level.

**Option to Transfer:** transfers between BSc and MSci may be possible at the end of Stage 2.

#### For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: [go.qub.ac.uk/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

## WHY QUEEN'S?

### Professional Recognition

The most generally appropriate professional body for graduate biologists is the Society of Biology, the leading professional body representing practising scientists, students at all levels and professionals in academia, industry and education.

### Work Placement

Work placements on these programmes provide students with the opportunity to utilise the practical skills gained during the teaching of their degree and apply these in a work environment.

Past students have gained work placement within organisations such as Northern Ireland Environment Agency, Castle Espie, National Trust, North Atlantic Whale Foundation, Ulster Wildlife Trust, Health Service, Harnas Wildlife Foundation, Kindred Spirit Elephant Sanctuary, Turtle Foundation and many more.

Zoologists at Queen's have the opportunity to avail of the strong international links with Universities in South Africa, America and Canada. In addition there is the opportunity to volunteer or carry out projects at many international sites including the elephant sanctuary in Thailand, Harnas in Namibia as well as many other countries through Operation Wallacea.

## CAREERS/FURTHER STUDY

Graduates are qualified to take up both scientific and non-scientific careers. These positions encompass areas of innovative research and development of new products, advisory and consultancy work, particularly in companies or organisations concerned with animal and plant health, environmental management, pharmaceutical products and biotechnology.

Graduates pursue careers in teaching, nature conservation and laboratory-based posts in biomedical, industrial, pharmaceutical, academic and government institutions as well as in universities and colleges of higher education. The remainder undertake further training in areas such as computing, administration and management or medicine (human or veterinary), developing their skills from a sound scientific background. Further training also helps them to find employment in a variety of non-biological careers, including public service administration, industrial management, accountancy and computing.

Employers are looking for graduates with generic skills of communication, problem-solving, data analysis, social skills, a range of interests and a record of success. We believe that a degree in Zoology will help our students to develop these skills.

### Employer Links

The School of Biological Sciences employs a dedicated careers adviser who has developed an extensive portfolio of employers, both nationally and internationally, within the science sector. Advice is also provided on CV preparation, interview techniques and securing summer work or longer placements. Students and graduates have secured placements and jobs with:

- Northern Ireland Water Ltd
- Environment Agency
- Forensic Service
- Moy Park
- North Atlantic Whale Foundation
- National Trust
- Radox Laboratories
- Norbrook Laboratories Ltd
- The Almac Group
- Ulster Wildlife Trust
- Castle Espie
- Belfast Zoo
- RSPB
- Kindred Spirit Elephant Sanctuary
- Harnas Wildlife Foundation
- Turtle Foundation
- Wildfowl and Wetland trust

### Further Study

Many students complete higher degrees, either in the UK or overseas, before embarking on a career in medical, agricultural and environmental research. Students can choose from a wide range of Master's programmes at Queen's, as well as a comprehensive list of research topics. Many graduates also choose to complete the postgraduate teacher training programme (PGCE) for entry into a teaching career.



“Studying Zoology at Queen's gives you such a broad variety of options and opens many doors. I now run my very own elephant sanctuary and foundation by working with the local people to bring their elephants away from tourism and home to the forest – Kindred Spirit Elephant Sanctuary.”

Kerri McCrea, Manager and Co-Founder of Kindred Spirit Elephant Sanctuary, Thailand and Queen's Zoology graduate

“The Zoology degree at Queen's provides an excellent framework to develop essential field-working, laboratory and statistical skills, transferable to numerous career pathways. It wasn't just that I had a good Honours degree in Zoology - more the fact that I had a degree from one of the finest Universities in the world.”

Jonathan Scott, TV presenter, award-winning wildlife photographer, conservationist and Queen's Zoology graduate

### Entrance requirements

e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
t: +44 (0)28 9097 3838

### Course information

Dr Nikki Marks  
Programme Co-ordinator  
School of Biological Sciences

e: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
t: +44 (0)28 9097 5786  
w: [qub.ac.uk/bb](http://qub.ac.uk/bb)



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# WHAT NEXT?

## OPEN DAYS

To get a taste of Queen's, visit our Open Days. Activities will include tours of the Elms accommodation, subject-specific talks and displays and clubs and societies demonstrations.

Our Open Days will take place:  
Thursday 6 September 2018  
Friday 7 September 2018  
Saturday 8 September 2018 (Family Day)

For more information, please visit: [qub.ac.uk/opendays](http://qub.ac.uk/opendays)

Private visits are also available for prospective students who are unable to make the Open Days.

For more information contact the Student Recruitment Team

t: +44 (0)28 9097 1323  
e: [studentrecruitment@qub.ac.uk](mailto:studentrecruitment@qub.ac.uk)

International students should contact the International Office

t: +44 (0)28 9097 5088  
e: [international@qub.ac.uk](mailto:international@qub.ac.uk)

## SCHOOL LIAISON ACTIVITIES

The Student Recruitment Team delivers a variety of liaison activities in schools across Northern Ireland, Great Britain and the Republic of Ireland and also attends the major UCAS higher education events in the United Kingdom.

Our school liaison activities include:

- Participation in school and college organised careers conventions
- Presentations highlighting the study opportunities available at Queen's
- Presentations and events to raise aspirations of higher education
- Curriculum-linked presentations and events
- Information events for parents to offer advice and information about the higher education system

## KEY DATES

### Welcome Week

Monday 16 September –  
Friday 20 September 2019

### Autumn Semester

Monday 23 September –  
Friday 13 December 2019

### Christmas Vacation

Monday 16 December 2019 –  
Friday 3 January 2020

### Spring Semester

Monday 6 January –  
Friday 27 March 2020

### Easter Vacation

Monday 30 March –  
Friday 17 April 2020

### Assessment And Development

Monday 20 April –  
Friday 29 May 2020

# GET IN TOUCH

## KEY CONTACTS

### Undergraduate

#### Admissions Inquiries

t: +44 (0)28 9097 3838  
e: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
w: [qub.ac.uk/ado](http://qub.ac.uk/ado)

#### General Undergraduate Inquiries

t: +44 (0)28 9097 1323  
e: [studentrecruitment@qub.ac.uk](mailto:studentrecruitment@qub.ac.uk)

#### International Office

t: +44 (0)28 9097 5088  
e: [international@qub.ac.uk](mailto:international@qub.ac.uk)

#### International Student Support

t: +44 (0)28 9097 3820  
e: [iss@qub.ac.uk](mailto:iss@qub.ac.uk)

#### Student Finance

t: +44 (0)28 9097 3223 (Helpline)  
w: [qub.ac.uk/TuitionFees](http://qub.ac.uk/TuitionFees)

#### Queen's Accommodation

t: +44 (0)28 9097 4525  
e: [accommodation@qub.ac.uk](mailto:accommodation@qub.ac.uk)  
w: [stayatqueens.com](http://stayatqueens.com)

## LOOK AT OUR WEBSITE

For the most up-to-date course information and to find out more on student life at Queen's, or your study environment, visit [qub.ac.uk](http://qub.ac.uk)

## SOCIAL MEDIA

Follow us to discover real-world advice, free events, exclusive competitions and even more reasons to #LoveQUB.



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## DISCLAIMER

This prospectus is published annually and therefore represents the course structure at the time of publication (January 2018). The most up-to-date version of this document is available from [go.qub.ac.uk/prospectusdownload](http://go.qub.ac.uk/prospectusdownload)

For the most up-to-date course information, please visit: [go.qub.ac.uk/coursefinder](http://go.qub.ac.uk/coursefinder)

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This publication is also available in alternative formats on request, including large print, Braille, tape, audio CD and Daisy CD. For further information, please contact the University's Marketing, Recruitment, Communications and Internationalisation team on t +44 (0)28 9097 2586.



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