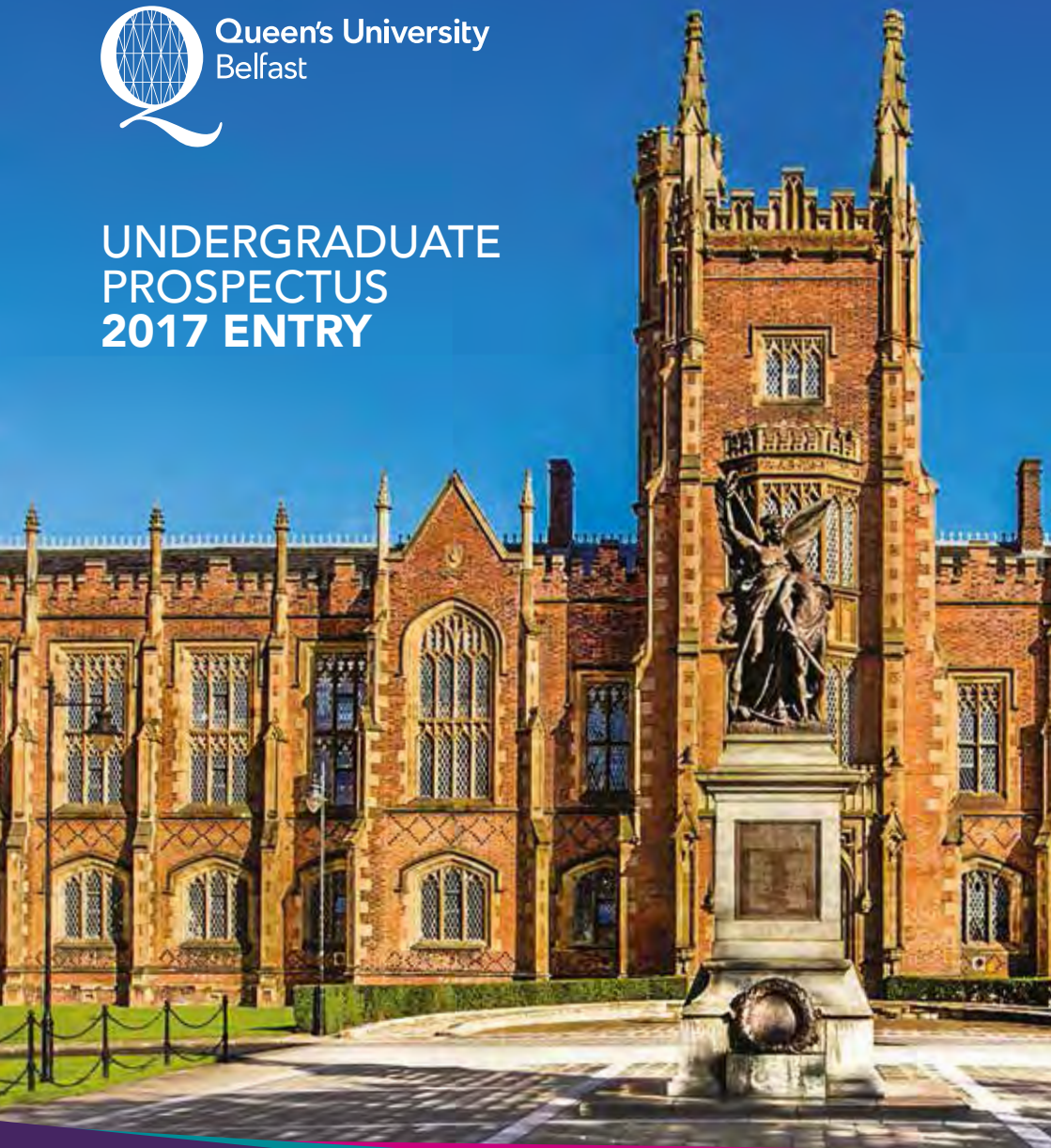




# UNDERGRADUATE PROSPECTUS 2017 ENTRY



START SOMETHING  
**AMAZING**

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



Get a taste  
of Queen's  
and visit our  
Open Days!

More on page 117

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# STUDY SOMEWHERE AMAZING



## STEP THIS WAY

This Undergraduate Prospectus for 2017 entry is designed to answer all your questions about undergraduate study at Queen's including:

- What should I study?
- How do I apply to Queen's and when?
- What sort of university is Queen's?
- What are the facilities like?
- What do current students really think of Queen's?

As part of your journey to Queen's:

1

Read about  
the student  
experience

2

View degree  
programmes

3

Find out how  
to apply

Good Luck!

We wish you well with your UCAS application and also with your forthcoming examinations.

We look forward to welcoming you to Queen's.

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



# A WARM WELCOME FROM THE PRESIDENT AND VICE- CHANCELLOR

As Vice-Chancellor of Queen's University Belfast, I am delighted you are considering our University for your studies.

As a Queen's student, you will be part of a world-class international university, supporting exceptional students and staff and conducting leading-edge education and research, focused on the needs of our society.

You will become part of the Queen's family, and enjoy access to our world-class campus, with award-winning student accommodation, and outstanding sporting facilities. Our vibrant Students' Union has over 200 clubs and societies, and a wide range of volunteering opportunities for our students.

Over the last 170 years, Queen's, a member of the Russell Group of 24 leading UK research-intensive universities, has produced Nobel Laureates, leading global academics, and national and international leaders. Today, we continue to offer many life-changing opportunities for our students, who come from over 80 countries.

Through our links with more than 200 partner institutions across the world at which to study during your time with us, and our ongoing

links with over 3,000 employers worldwide, we help our students develop into global citizens who will make an impact on society.

Queen's is recognised as a leader in supporting students across all disciplines develop entrepreneurial and employability skills – one of the reasons why 95 per cent of our students are in employment or further study six months after graduating. Our students are taught by academics who are leaders in their field, winning awards for teaching and research excellence.

So for all the above reasons, and many more, I hope you make the decision to join us at Queen's. I look forward to welcoming you and ensuring that your time with us becomes the platform for a truly wonderful, exciting and fulfilling career.

**Professor Patrick G Johnston**  
President and Vice-Chancellor

"As a Queen's student, you will be part of a world-class international university, supporting exceptional students and staff and conducting leading-edge education and research, focused on the needs of our society"





“Your Students’ Union is a real hub for engagement on campus. Whether on a night out, having a quiet drink with friends or even just a bite to eat between lectures, your Students’ Union has it all”

## HELLO FROM THE STUDENTS’ UNION PRESIDENT

Hi everyone – welcome to Queen’s!

Choosing Queen’s does not simply mean that you will become part of one of the best universities on these islands, it also means being part of a vibrant community. Once you register at Queen’s, you automatically become a member of Queen’s Students’ Union.

We are here to help you make the most of your university experience, provide you with support and give you a voice that will be heard by the University and external stakeholders.

We have lots to offer you: over 200 clubs and societies; a free and confidential Advice Centre; enterprise experts; volunteering opportunities; the chance to be part of student-led campaigns on the issues that matter to you; as well as our bars, clubs, cafes and shops.

Your Students’ Union is a real hub for engagement on campus. Whether on a night out, having a quiet drink with friends or even just a bite to eat between lectures, your Students’ Union has it all. The facilities, support



and opportunities offered by Queen’s are of an exceptional standard and the Students’ Union is no different; we were recently ranked as one of the top university Students’ Unions in the UK for student satisfaction.

I believe that my time at Queen’s has equipped me with all the confidence, experience and skills to excel in life. It has provided me with some great memories and lifelong friends. I have been involved in societies, volunteer projects and student-led campaigns that I would never have imagined I would be part of when I first joined Queen’s. If you decide that Queen’s is the place for you, I hope you have an equally brilliant time.

All the best,

Caoimhe McNeill  
President of the Students’ Union  
[su.president@qub.ac.uk](mailto:su.president@qub.ac.uk)  
[www.qubsu.org](http://www.qubsu.org)





We asked you the real reasons why you #LoveQUB. There were so many amazing shots we couldn't squeeze them all in, so here are a few of our favourites.

Share your photos with [#LoveQUB](#).

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

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

# #LoveQUB



**Tony Brown**

"I [#LoveQUB](#) because if I had never gone to Queen's, I would never have joined Childreach International at the Freshers' Fair and never would have climbed Kilimanjaro."



**@ryandavidhawk**

"One of the many reasons I [#LoveQUB](#). It looks like Wes Anderson is filming Harry Potter everywhere."



**Rachel Ireland**

"I [#LoveQUB](#) because I met the best friends in the world here, have been taught by a brilliant set of academics, and have gained more confidence in the last three years than I ever thought possible."



**Kate Lewis-Mairs**

"I [#LoveQUB](#) because my children feel like it's their university too."



**Maggie Hunt**

"I [#LoveQUB](#) because we met at Freshers' week in 1998, graduated in 2003 and married in 2004, with a reception in Queen's Great Hall. We've just built a house and called it Lanyon Prospect!"



**Felicity Lamrock**

"I [#LoveQUB](#) because even when I'm stressed out, Queen's looks pretty and I can talk to folks at QUB Mind Your Mood to make sure I'm not too stressed!"



**Charlotte Jones**

"This is the Lanyon Building last year under a blood moon. I [#LoveQUB](#) because it's where I found my home. I'm from London and even though I graduated two years ago I am still happy living in Belfast. It made me a more confident person and has allowed me to strive for a job that is closely related to my degree."



**Aoife Grant**

"I [#LoveQUB](#) because of Lady, my Psychology study buddy."



## CHOOSE A WORLD-CLASS UNIVERSITY

At Queen's, we believe our students pave the way to a better future, and a world-class education is the single most important step.

Grounded in the realities of today's economy, a degree from Queen's is a life-changing opportunity.

Informed by exceptional teaching, all of our degree programmes come with a promise to produce world-class graduates.

At Queen's, core values of employability and rigorous academic standards underpin all of our undergraduate programmes.

By enabling our students to succeed in their chosen career paths across industry, enterprise, research and leadership positions, Queen's graduates go on to be leaders in their chosen fields.

We're not just about education and jobs: a degree from Queen's is something to be proud of, and at Queen's, we encourage all our undergraduates to experience more.

There's much to discover about your place in the world. With exceptional facilities and located in a unique city with a myriad of opportunities, Queen's students enjoy an unsurpassed, life-enhancing academic experience.

Don't just take our word for it: the student profiles included within this prospectus provide unique insights into life at Queen's.

# 12,709

students taking part in  
employability-focused activities

## A Unique Learning Experience

The best education happens alongside the best research and our students are taught by world-leading academics at the cutting edge of their disciplines.

- Ranked 31st, Queen's is confirmed as one of the top universities in the UK (*The Times and Sunday Times Good University Guide 2016*)
- Runner-up University of the Year award and ranked first for Medical Sciences and Pharmacy (*Sunday Times University Guide 2013*)
- Cited 25 times in the top 20 universities by subject (*The Times and Sunday Times Good University Guide 2016*)

In 2014, Queen's lecturer Joe Duffy was named one of the UK's most outstanding teachers. Involved in pioneering innovative teaching methods with carers and service users, Dr Duffy was awarded a National Teaching Fellowship by the Higher Education Authority (HEA) – the most prestigious annual awards in higher education in the UK.

## Queen's University Belfast: one of the world's 15 most beautiful universities

(Huffington Post 2014)



Major UK employers rank Queen's 18th out of UK universities for producing the best graduates for the workplace

(Global Employability University Survey 2015)

## A MARKETABLE ASSET

### Career-ready Graduates

Employability is at the heart of Queen's curriculum. We ensure our students enjoy a rounded university experience with a strong focus on interaction with academics and building personal relationships with fellow students.

Queen's graduates are distinctive and exceptional: with an excellent track record in achieving graduate employment, they are recognised both nationally and internationally for their acumen.

Careers guidance, information and the innovative Queen's Degree Plus Award Scheme all provide students with the opportunity to develop vital skills in an ever-more competitive graduate job market.

## An Enterprising Ethos

Well-rounded students attuned to the needs of today's society make the best graduates and at Queen's, life-enhancing experiences perfectly complement academia.

Our student enterprise facilities are world-leading, including an award-winning branch of Students In Free Enterprise (SIFE).

**Queen's graduates are in senior leadership positions in 80 of Northern Ireland's top 100 companies** (The Guardian University Guide 2016).

## Study Abroad

Opportunity is everything and Queen's encourages students to gain experience living and studying abroad, and through participation in placements, internships and exchange schemes with universities in the United States, Malaysia, India and China, among others.

Initiatives include the Erasmus scheme, in which Queen's ranks among the top 10 universities in the UK for the number of students gaining work placements.



## AN EXCEPTIONAL EXPERIENCE

In a rapidly changing world, the future needs of our students is a top priority, and all our programmes provide our undergraduates with the vocational currency, education and life experience to succeed in the 21st-century knowledge economy.

### Employability: Key to Success

As a UK Entrepreneurial University of the Year, Queen's has a strong through-line of enterprise and entrepreneurship. In May 2014, Queen's Careers, Employability and Skills Service won an all-Ireland Employability award (Gold) in recognition of its Workplace Study Tours (Gradireland/AHECS Awards 2014), bringing undergraduates to meet key potential employers in London and Brussels across the sectors of law, finance and the European market.

Queen's ranks number one in the UK for participation in Knowledge Transfer Partnerships (KTPs) and is the UK leader in terms of spin-out activity. To date, the University has developed over 60 spin-out companies with a combined turnover of £171m and created over 1,500 jobs.

Students benefit from the University's significant business connections and collaborations with many multinational enterprises including Petronas, Infosys, Bombardier and Seagate.

14 subject areas ranked in the UK top 20

(Research Excellence Framework – REF 2014)

### What is the Knowledge Economy?

The knowledge economy: use of knowledge in an interconnected, globalised economy where effective use of knowledge resources such as know-how and expertise is critical in determining success.

### Degree With a Plus

Queen's Degree Plus Award offers students the chance to gain a competitive edge in the graduate job market. This innovative programme acknowledges skills acquired through participation in extracurricular activities, such as voluntary work, part-time jobs and sport – all attractive to potential employers.

Queen's students benefit from the University's employability links to over 3,000 local, national and international companies

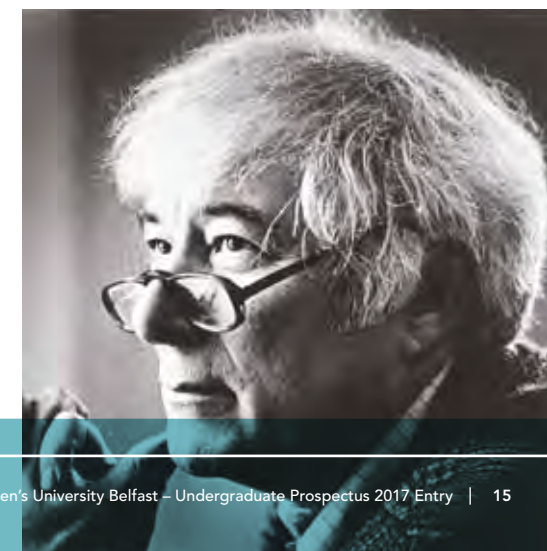
### Heritage That Matters

Established in 1845, Queen's is one of the UK's leading research-intensive universities.

Described by The Sunday Times as 'Ireland's Oxbridge', the quality of teaching is recognised as being of the highest standard and Queen's students are taught by academics informed by the latest discoveries in their fields.

### Queen's Alumni include:

**Seamus Heaney**  
Nobel Prize for Literature, 1995  
**Mary McAleese**  
President of Ireland, 1997-2011  
**Professor James Francis Pantridge**  
Inventor of the portable heart defibrillator  
**Liam Neeson OBE**  
Actor  
**Mr Peter Rice**  
Designer and engineer  
**John Stewart Bell**  
Influential 20th-century scientist





## AWARDS AND RANKINGS

16 Queen's subjects in the UK top 20, including:

- 2nd in the UK for Pharmacy and Pharmacology
- 2nd in the UK for Food Science
- 3rd in the UK for Creative Writing
- 3rd in the UK for Agriculture and Forestry
- 4th in the UK for Accounting and Finance
- 5th in the UK for Celtic Studies
- 7th in the UK for French

(Complete University Guide 2017)

The Guardian University Guide 2016

19 subjects in the top 20.

The Times and Sunday Times Good University Guide 2016

25 subjects in the top 20.

Queen's Anniversary Prizes

Six Queen's Anniversary Prizes for Higher and Further Education, 2008-2014, including Northern Ireland's Comprehensive Cancer Services programme in 2011 and Queen's Centre for Secure Information Technologies (CSIT) in 2015.



Times Higher Education Awards

Five consecutive Times Higher Education Awards (2008-12), including Entrepreneurial University of the Year 2009 and Outstanding Engineering Research Team of the Year 2010.

Knowledge-intensive

As a member of the Russell Group, we are one of the UK's 24 leading research-intensive universities, providing our students with a world-class education underpinned by world-class research.

## Ranked in the top 1% of universities in the world

(QS World University Rankings 2015/16)

## Queen's Graduate School ranked 1st among 159 universities worldwide

(International Student Barometer Autumn 2015)

## QUEEN'S GRADUATE SCHOOL: WHAT'S YOUR MASTER PLAN?

As a university that values the future needs of our students, Queen's is proud of its brand new Graduate School.

With the power to encourage creativity and open up new ways of thinking, Queen's Graduate School represents a quantum leap in postgraduate provision. Set in a dedicated 21st-century space, it's the next step in future-proofed learning.

Our Graduate School introduces new ideas and new thinking: a place to inspire and challenge; an environment that encourages student-led initiatives; a hub that rewards excellence among research supervisors.

It's a vibrant, interactive and global community where students regularly interact with each other, senior university staff and the business community.

We're creating a postgraduate community built on excellence – an intellectual hub of activity that thrives on inclusiveness and that will transform lives and inspire futures.

[www.qub.ac.uk/graduateschool](http://www.qub.ac.uk/graduateschool)





Through its teaching, its enterprise and its facilities, Queen's changes the lives of those who work and study at the University and improves the way many other people live

## RESEARCH WITH GLOBAL IMPACT

Queen's is a global player, with over 1,000 researchers and 60 research groupings across three Faculties and various Institutes. In addition, interdisciplinary forums have been created to support the development of research across disciplines.

Through its teaching, its enterprise and its facilities, Queen's changes the lives of those who work and study at the University and improves the way many other people live.

Extensive refurbishment of major lecture theatres has created contemporary teaching spaces as part of a rolling works programme to create 21st-century facilities across the campus to fully enhance the student experience.

Queen's researchers collaborate closely with more than 250 universities around the world in areas from cancer studies to environmental sustainability, from wireless technology to poetry and pharmaceutical sciences.

Among the University's dynamic partnerships are academic links with Georgetown University in Washington DC and with leading institutions in Europe, Malaysia, China, Japan and Australia.

### REF 2014: What it Means

The Research Excellence Framework (REF) is the system for assessing the quality of research in UK higher education institutions.

Queen's research impacts right across society. In a major recognition for Queen's over 75 per cent of our research was judged to be internationally-excellent or world-leading.

## Queen's University is joint 8th in the UK for research intensity

Research Excellence Framework (REF) 2014

Our performance shows the breadth and depth of our research, with 95 per cent of academic staff returned – the fifth largest percentage returned across universities.

### Wide Choice of Subjects

We understand the needs and ambitions of our students and our broad-based curriculum targets both vocational and academic interdisciplinarity and embraces traditional disciplines as well as more recent introductions across its portfolio of courses, all tailored to the needs of today's graduates.



## 21<sup>ST</sup>-CENTURY SAVVY

The Wireless Campus Project, a £1.93m investment, brings state-of-the-art wireless service to all areas of the Queen's campus, enabling users to have anytime, anywhere access to the resources they need to work in a fully-flexible 21st-century environment.

Students can access the wireless network in libraries, catering outlets and social areas, and on-campus there is access to over 1,800 PCs.

### Fully Tech-enabled

New ways of doing things is all part of being an undergraduate and orientation sessions outlining the IT and Library facilities and services are readily available. These include an introduction to the University's virtual learning and email services, as well as other important ways to get campus savvy.

The McClay Library houses the IT Shop, which provides a range of IT accessories such as memory sticks and can even be used to purchase a laptop or netbook computer. The IT Helpdesk provides advice and support on how to get the best out of University and personal IT equipment.

For those who still haven't got to grips with all the benefits IT has to offer, the University has a range of training resources to help develop the IT life skills required for study. Good IT skills can lead to gaining an internationally-recognised IT qualification – the European Computer Driving Licence (ECDL).



## Here's what our students have to say...

**Name:** Harriet Siebenaller  
**From:** Gloucestershire, England  
**Studying:** History

My course at Queen's offers me fantastic variety, giving me the chance to explore a wide range of time periods as well as allowing me to select optional modules in other subjects. This is great as it makes the course diverse and engaging.

I was really impressed by the extent to which the University welcomes new students. Everyone is so friendly and an extensive range of activities is available to introduce students to both the University and Belfast as a whole. I felt at home very quickly.

**Watch our student YouTube testimonials here:**  
[www.youtube.com/user/Come2Queens](http://www.youtube.com/user/Come2Queens)





## Enhancing Teaching Experience

Queen's has fully embraced all aspects of skill-enhancing IT tools to deliver on its promise of value to students while fully complementing traditional teaching models. All about engagement, almost all of the University lecture theatres have data projectors, which in some cases have been partnered with voting systems, similar to those seen on popular TV quiz shows. This offers more challenging and interactive teaching sessions for students. It is also possible for many students to access their lectures over the Internet, or download them to their mobile devices. In addition, flexible teaching areas accommodate a wide range of teaching and learning styles.

## Award-winning Facilities

Students have access to world-class facilities and benefit from the extensive refurbishment of laboratories and other teaching resources. Queen's has recently invested £350m into its staff, students and infrastructure to provide some of the best campus facilities in the UK and Ireland.

## The McClay Library

Each day, nearly 10,000 students take advantage of the extensive book and journal collections, reader spaces, computer workstations and group study rooms.

Designed with undergraduate study in mind, the award-winning McClay Library blends the best features of a traditional library with the latest technology to create a truly 21st-century environment for students.

The Library is both a centre for learning and a place to collaborate. With 2,200 reader seats in a mixture of formal and informal spaces, the Library offers places for quiet study and group work.

The Library also provides a significant number of PCs and has wireless access throughout, so that students may access network services using their own laptops.

It contains extensive collections covering the arts, humanities, social sciences and science and engineering, and houses the University's Special Collections and a substantial short-loan collection of undergraduate reading materials.

In addition, there is a modern Medical Library at the Royal Victoria Hospital site with supplementary facilities in the Biomedical Library on the Lisburn Road.

The McClay Library offers extensive opening hours, including a period of 24-hour opening in the weeks before, and during, examinations.

## Library Resources

The McClay Library provides access to a wide range of books and journals in support of each subject area as well as an extensive suite of electronic resources, which are accessible both on and off campus. A dedicated Language Centre is also available to help students at all levels develop their language skills.

The iconic CS Lewis Reading Room, a serene reading space, is the Library's magnificent centrepiece; decorated with glass-engraved quotations from the Belfast author's works, it's also fronted by a hand-carved replica of the famous wardrobe door from *The Chronicles of Narnia*.

## Reliable Service

Library staff are committed to supporting students in their use and exploitation of printed and electronic resources and Subject Librarians provide extensive training and support to new students.

## Heart of the Community

Queen's is much more than just a place for students to get a great education. We're one of the biggest employers in Northern Ireland and a major contributor to the local economy with impact, on average, of £700m per year. Queen's continues to grow links with enterprise and has significant connections with many multinationals that figure prominently in Northern Ireland. The University is also proud to be a major patron of the Arts, sponsoring the rich artistic and cultural heritage of Northern Ireland, both nationally and internationally.

An investment of £350m in Queen's campus over the last 10 years has created the award-winning £50m McClay Library

Find out more about the library here:  
<https://youtube.com/user/QUBlibrary>

For more information: [www.qub.ac.uk/lib](http://www.qub.ac.uk/lib)



# STUDENT CHARTER

## You can expect the University to:

- provide timely and accurate information about arrangements for your enrolment, registration and induction;
- provide an induction process to help familiarise you with the campus, introduce you to other students, and provide an introduction to your studies, available resources and key people;
- promote an active learning community in which you will have the opportunity to develop as an independent learner;
- provide appropriate learning opportunities, resources and support to assist you in your studies;
- provide you with a programme of study including embedded skills development to enhance your employability;
- provide you with a study schedule setting out the forms of study required;
- provide you with appropriate and timely feedback on your progress that promotes learning and facilitates improvement;
- provide you with opportunities to participate in work-related activity and to study abroad;
- provide a range of targeted bursaries and scholarships including awards made on the basis of financial background, entry grades, or to support study related travel;
- provide guidance, assistance and advice through Schools, the Student Guidance Centre, and the International and Postgraduate Student Centre on visas and immigration, academic matters, welfare, disability support, English language training, finance, tuition and accommodation fees, scholarships and bursaries and complaints and appeals procedures;
- provide positions for student representatives on relevant University committees, boards, working groups, forums and reviews;

- provide opportunities for you and your student representatives to give feedback to the School and University on your experience as a student, including participation in appropriate quality assurance and enhancement procedures;
- provide information on action taken in response to feedback received from students;
- provide you with opportunities to access extra-curricular cultural, recreational, social and sporting activities;
- provide independent advice and support through the Students' Union Advice Centre;
- treat students equally and respectfully regardless of gender, religion, community background, nationality, race/ethnic origin, disability, marital status, sexual orientation, or age;
- be professional in its dealings with you;
- safeguard all the personal information you provide, in compliance with the requirements of the Data Protection Act and the Freedom of Information Act.

## In return you are expected to:

- complete all enrolment and registration at the outset of each academic year, pay fees and charges when they are due, and participate fully in the induction process;
- fully engage as an active learner in our shared educational experience;
- familiarise yourself with the information provided about your programme and seek clarification of anything which you do not understand from your School office or central University department;
- commit to the study schedule provided by the University;
- pursue your academic studies in a diligent, honest and professional manner;

- make use of feedback on your academic work and ask for clarification if you feel it is needed;
- attend all scheduled sessions related to your studies and be an active participant;
- attend all examinations, undertake all required assessments and submit all work on time;
- inform your tutor, supervisor, Adviser of Studies or School office if you are unable to attend a teaching session, examination or are unable to submit coursework on time;
- treat fellow students, University staff and visitors equally and respectfully regardless of gender, religion, community background, nationality, race/ethnic origin, disability, marital status, care of dependants, sexual orientation, or age;
- use the facilities and resources of the University, whether in Schools or centrally, with respect and consideration for others;
- behave in a responsible manner on and off campus, on social media and other forms of communication, and ensure that your actions do not have an adverse impact on the University's reputation, its environment, your neighbours, the local community or those who work or study at the University;
- comply with the terms of all Statutes, Ordinances, Study Regulations, Conduct Regulations, policies, rules and requirements of the University and any professional standards and requirements which are applicable to your programme;
- read information provided to you about the University, its services and your School and retain it for future reference;
- give your views honestly and constructively on your educational and university experience.





# NORTHERN IRELAND: A UNIQUE LOCATION

With a population of only 1.8 million, Northern Ireland is a small country with a big heart. Listen to the voices on the world stage and you'll often hear it lauded. From its sporting heroes and its rich artistic legacy, to historic achievements such as building the Titanic, Northern Ireland is a proud, warm and enthusiastic place to live and study.

Small enough to feel like home, big enough for adventure and exploration, Northern Ireland's world-famous mixture of breathtaking landscapes, contemporary cities and friendly people makes it the perfect student destination.

Northern Ireland: happiest place in the UK

(Office of National Statistics 2015)

Northern Ireland is a proud, warm and enthusiastic place to live and study



Titanic Belfast: voted Best Visitor Attraction in Europe (Europe Group Travel Awards 2015)

Belfast, one of the top 10 UK destinations

(Tripadvisor Travellers' Choice Awards 2015)





## THE BELFAST EXPERIENCE

In a city where artisan cafes and cloth-cap bars cosy up with contemporary clubs, cuisine, culture and arts, students find Belfast affordable, fun and inspiring.

Northern Ireland's vibrant cosmopolitan capital is on par with some of the greatest cities in the world. From new buildings to street art, Belfast is full of enthusiasm.

Both the Titanic Quarter and the Cathedral Quarter, the newest additions to the city, lend big-city chic to small-city living.

### More for your Money in a Friendly, Optimistic City

In the 2015 Worldwide Cost of Living Survey carried out by Mercer, Belfast was recognised as having the lowest cost of living in the UK. We estimate that you should allow £5,500–£7,000 to cover your expenses for a full year. Please note that these amounts do not take account of funds to support any dependants. For immigration purposes, non-EU students will be required to show evidence of funds to cover living expenses.

**Belfast, the most improved city in the UK**  
(PwC Good Growth for Cities Index 2014)

**Lowest weekly student rent in the UK**  
(Student Living Index 2015)



Belfast:  
happiest city in  
the UK (Instagram 2014)

Ranked 8th  
best city to  
live and work

(PwC Good Growth for Cities 2015)

Most  
affordable UK  
student city

(Student Living Index 2015)

Belfast:  
Best UK City

(Guardian and Observer  
Travel Awards 2016)

### Queen's Quarter: Great Place to Live

Queen's University's historic, city-based campus is set in south Belfast, a 15-minute walk from the vibrant city centre. Getting to Northern Ireland is both easy and cheap. Other major UK cities are within an hour's flying time from Belfast's two airports and are serviced by multiple daily flights. You can also fly direct to many destinations in mainland Europe and North America. Dublin is only two hours from Belfast by train, and there are regular ferries to mainland UK.



Modern  
transport  
infrastructure.  
All major UK  
cities within  
an hour's  
flying time

(Complete University Guide 2016)





## Entertainment, Everywhere

Belfast boasts a wide range of entertainment venues including an arena, concert halls and an opera house, as well as more intimate theatres and clubs. Together they play host to stand-up comedy and theatrical performances, international music artists, such as the Foo Fighters, U2, Lady Gaga, Emeli Sandé and Florence and the Machine, as well as world-class music festivals such as Belsonic and Tennent's Vital.

The University's own Students' Union regularly plays host to bands and other entertainment. Film fans will also be impressed by the range of multiplex cinemas throughout the city, as well as the University's own full-time cinema, Queen's Film Theatre (QFT), which presents the best in classic and new world cinema.

## Shop 'til you Drop

Belfast offers shoppers a mix of big-name stores, designer boutiques, innovative arts and crafts shops and rejuvenated markets. City centre shopping centres such as Victoria Square and Castle Court offer a wide selection of High Street shops to suit all tastes. There is also a variety of vintage, charity and low-cost outlets throughout the city.

## Fab Food and Drink

From funky and fresh St George's Market, to traditional bars, theatres, cinemas and nightclubs, Belfast really has something for everyone.

From the finest European and world cuisine and speciality outlets catering for specialist diets and cultural needs, there are food and drinks options to suit all tastes, budgets and personalities.

Belfast lives up to its reputation as a 'treasure' with an 'incredible atmosphere' (National Geographic Traveller 2012)

Eating out, 20 per cent cheaper in Belfast compared to UK average (Numbeo 2014)

## A Safe Place to Be

Northern Ireland was recently named the safest region in the UK (British Crime Survey 2014). Street crime and burglary rates in Belfast are much lower than in comparable European or American cities (Northern Ireland Annual Abstract of Statistics 2009).

For more information, visit the official tourism websites [www.visitbelfast.com](http://www.visitbelfast.com) and [www.discovernorthernireland.com](http://www.discovernorthernireland.com)

## A place to travel for food

(National Geographic 2015)



## Here's what our students have to say...

**Name:** Mark Curran  
**From:** Newry, Northern Ireland  
**Studying:** International Business with Spanish

I'm an active member of various University Clubs and Societies – including Queen's Players and the Skydiving Team – and a Charity Fundraiser.

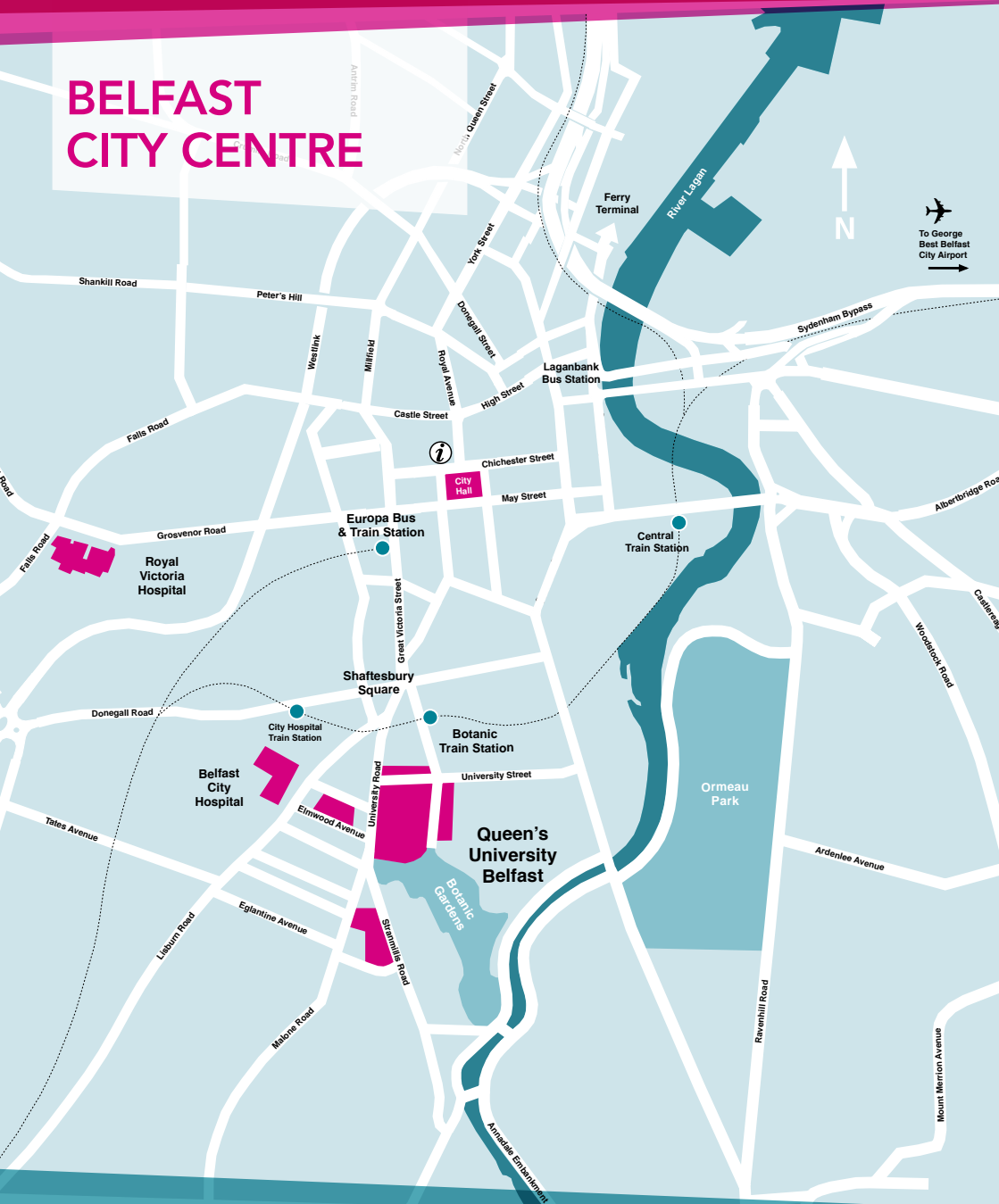
Queen's University has allowed me to challenge myself in ways I never thought possible. Whether you like jumping out of planes or standing up for what you believe in at a University debate, Queen's offers something for everyone.

Watch our student YouTube testimonials here:  
[www.youtube.com/user/Come2Queens](http://www.youtube.com/user/Come2Queens)





## BELFAST CITY CENTRE



## NORTHERN IRELAND

### FLY

Most major UK cities are within an hour's flying time from Belfast's two airports. There are dozens of flights a day to and from London and other destinations in Great Britain and beyond – at student-friendly prices.

### FERRY

Fast ferry services from Belfast make multiple daily crossings to ports in Scotland and England.

### COACH

Ulsterbus operates cross-channel express coach services.

### Useful links:

[www.nationalexpress.com](http://www.nationalexpress.com)

National Express provides coach and ferry travel to/from Belfast Europa from all major GB cities with feeder routes from other centres.

[www.stenaline.co.uk/ferry/rail-and-sail](http://www.stenaline.co.uk/ferry/rail-and-sail)

Stena Line provides rail and ferry travel from major GB cities to Belfast via Cairnryan and via the Dublin/Holyhead route.



### TRAIN

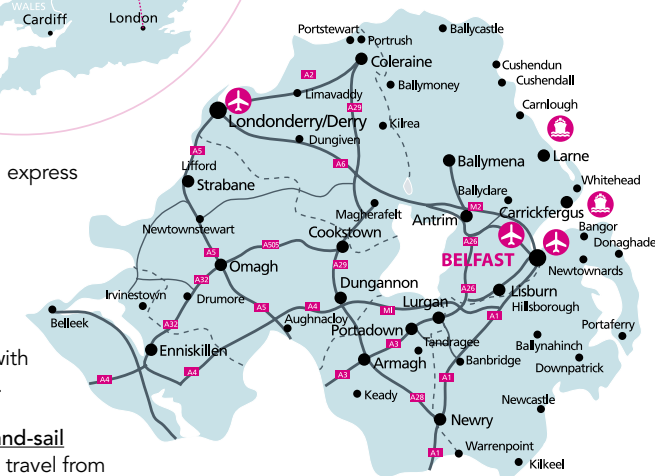
The Enterprise train service takes about two hours to Dublin. There is a comprehensive provision of rail and bus transportation throughout Northern Ireland.



National Airports



National Ports





# QUEEN'S UNIVERSITY BELFAST

## CAMPUS MAP



## SCHOOL OFFICES

Biological Sciences  
 Chemistry and Chemical Engineering  
 Creative Arts  
 Education  
 Electronics, Electrical Engineering and Computer Science  
 English  
 Geography, Archaeology and Palaeoecology  
 History and Anthropology  
 Law  
 Mathematics and Physics  
 Mechanical and Aerospace Engineering  
 Medicine, Dentistry and Biomedical Sciences  
 Modern Languages  
 Nursing and Midwifery  
 Pharmacy  
 Planning, Architecture and Civil Engineering  
 Politics, International Studies and Philosophy  
 Psychology  
 Queen's University Management School  
 Sociology, Social Policy and Social Work

## FACULTY OFFICES

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

## LOCATION

Academic and Student Affairs  
 Administration Building  
 Ashby Building  
 Belfast City Hospital  
 Canada Room/Council Chamber  
 Careers, Employability and Skills  
 Centre for Cancer Research and Cell Biology (CCRCB)  
 Centre for Experimental Medicine  
 Chrono (Radiocarbon dating centre)  
 Clinical Research Facility  
 Computer Science at Elmwood  
 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 Village  
 Elmwood Hall

Estates	3
Festival Office	1
Finance	3
Graduate School (formerly Lynn Building)	4
Great Hall	1
Harty Room, School of Creative Arts	5
Health Centre	12
Health Sciences Building	26
Human Resources	3
Information Services	11
Institute of Professional Legal Studies (IPLS)	34
International Office	1
INTO at Queen's	33
Jobshop	13
Lanyon Building	1
Marketing, Recruitment, Communications and Internationalisation	1
Mathematics	10
McClay Research Centre	25
Medical Biology Centre (MBC)	22
Naughton Gallery at Queen's	1
Northern Ireland Technology Centre (NITC)	31
Occupational Health	35
Peter Froggatt Centre (PFC)	2
Pharmacy	25
Physical Education Centre (PEC)	37
Queen's Film Theatre (QFT)	8
Registrar and Chief Operating Officer	1
Research and Enterprise	17
Riddell Hall	38
Sonic Arts Research Centre (SARC)	30
South Dining Hall	6
Student Guidance Centre (SGC)	13
Student Plus	1
Students' Union	15
The McClay Library	11
Vice-Chancellor's Office	1
Welcome Centre	1
Whitla Hall	7
Whitla Medical Building	23

## OFF-CAMPUS SITES

Institute of Electronics, Communications and Information Technology (ECIT) at Titanic Quarter  
 Medicine and Dentistry at Royal Victoria Hospital  
 Marine Research Centre at Portaferry  
 Northern Ireland Advanced Composites and Engineering (NIACE) Centre at Titanic Quarter  
 Queen's Sport Upper Malone





Queen's  
Students'  
Union

## QUEEN'S UNIVERSITY STUDENTS' UNION (QUBSU)

### Your Daily Mecca

Queen's students make use of the Union every day of the week, that's why we're one of the top five Students' Unions in the UK.

As the largest, single-campus Union in Ireland, you'll find shops, cafes, bars and a top-class music and concert venue, at the heart of student life.

Catch up with friends, grab lunch, watch live sport, play pool, go to gigs; club nights are also hosted during the week and at the weekends.

Run by students for students, we've seven full-time, elected Student Officers representing the student body.

With something for everyone, there are over 200 student clubs and societies for you to choose from.

The Union also offers a range of student support services and provides advice on developing business ideas and volunteering opportunities through its Student Development facility.

## Ranked 15th in the UK for student experience

(The Times and Sunday Times  
Good University Guide 2016)

### The Students' Union Advice Centre

Should you need a helping hand, situated on the second floor of the Students' Union, the Students' Union Advice Centre has three Advisers who are all dedicated to providing students with free, independent, confidential, accurate advice.

For more information:  
[www.qubsu.org/AdviceSU/](http://www.qubsu.org/AdviceSU/)  
e: [studentadvice@qub.ac.uk](mailto:studentadvice@qub.ac.uk)

## PEC: EXCELLENCE IN SPORT

Queen's students take pride in the state-of-the-art Physical Education Centre (PEC); it's one of the most advanced sport and fitness facilities in the UK and Ireland. Professional expertise and educational programmes are all designed to meet every sporting need.

### Bursary Awards

These awards are available to current students who have achieved a high standard in their particular sport. The scheme offers recipients a comprehensive package including sports science support, free use of facilities, free equipment and financial assistance.

### Academies

Queen's is 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.

### Elite Athlete Programme

The programme places equal emphasis on academia and sporting ambition and offers excellent benefits including academic support and financial assistance.

### Outdoor Facilities

Queen's has heavily invested in its Upper Malone outdoor facilities. It is the only facility in the UK and Ireland to showcase rugby, Gaelic games and soccer all at one site.

For more information: [www.queenssport.com](http://www.queenssport.com)

### Facilities: Highlights

Strength and conditioning training facility with six power cages and Olympic lifting platforms.

A six-lane, 25m swimming pool, diving pool and sauna.

Two sports halls which can facilitate five-a-side soccer, indoor cricket, basketball, badminton, table tennis, volleyball and netball as well as trampolining and aerobics.

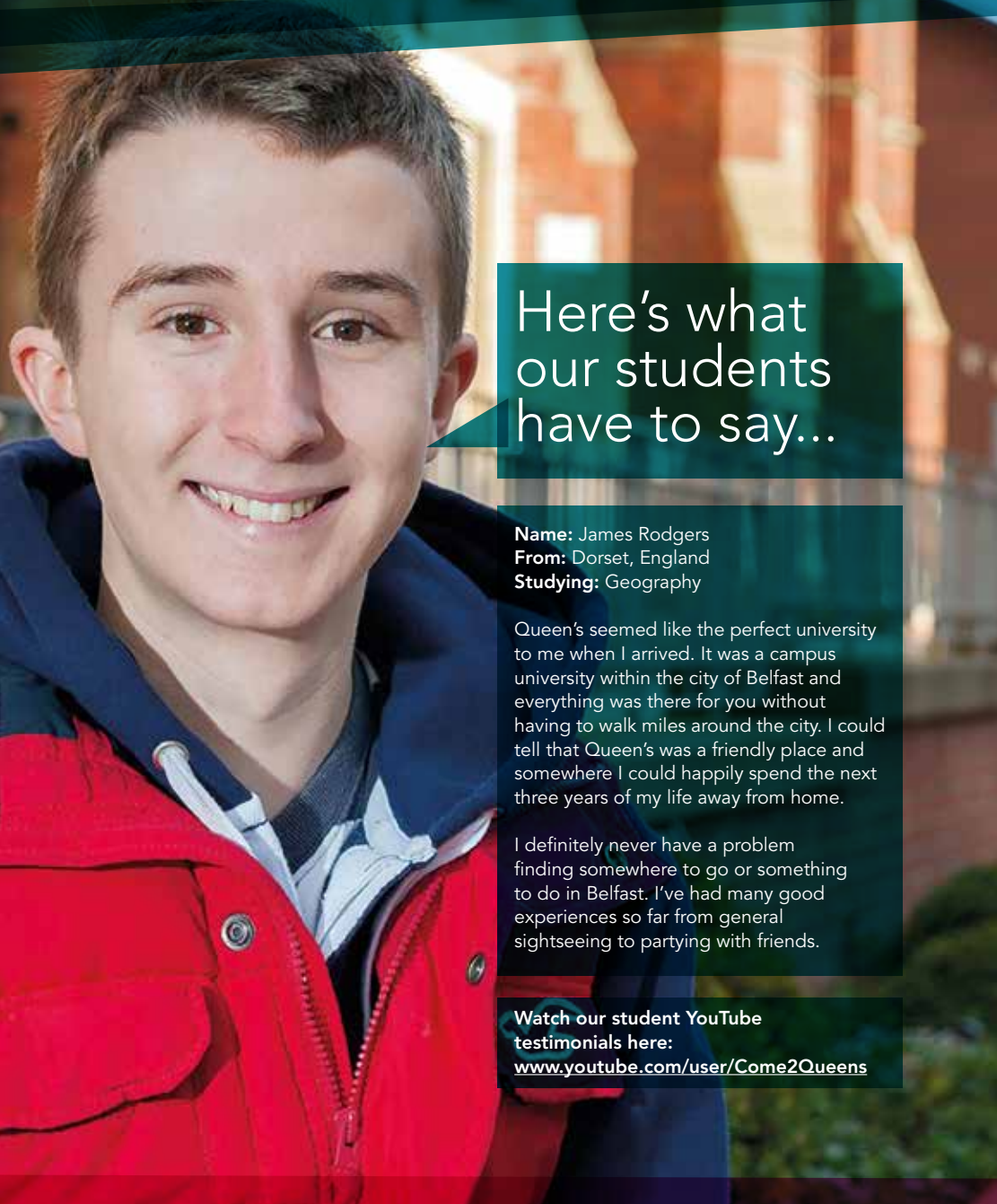
Indoor climbing wall and courses for climbers with different abilities and confidence.

Golf simulator providing a scientific analysis of your game.

Eight squash courts, two handball/racquetball courts, 12 badminton courts and two table tennis tables.

Four exercise and dance studios, each catering for a range of activities.





## Here's what our students have to say...

**Name:** James Rodgers  
**From:** Dorset, England  
**Studying:** Geography

Queen's seemed like the perfect university to me when I arrived. It was a campus university within the city of Belfast and everything was there for you without having to walk miles around the city. I could tell that Queen's was a friendly place and somewhere I could happily spend the next three years of my life away from home.

I definitely never have a problem finding somewhere to go or something to do in Belfast. I've had many good experiences so far from general sightseeing to partying with friends.

Watch our student YouTube testimonials here:  
[www.youtube.com/user/Come2Queens](https://www.youtube.com/user/Come2Queens)



## CULTURE AND ARTS AT QUEEN'S

The University boasts the award-winning Naughton Gallery, one of Belfast's most exciting art spaces.

The Seamus Heaney Centre for Poetry reinforces the University's reputation as a world literary power, while the Brian Friel Centre for Theatre Research is a world-class studio theatre for performing arts students.

### A Boutique Cinema on Campus

Film fans will be impressed by Queen's very own, full-time cinema, Queen's Film Theatre (QFT).

Presenting the best in classic and new world cinema, it's a unique cultural venue; with almost 50 years of know-how, it brings high-quality film experience to Belfast audiences in a friendly, intimate space.

**QFT**

QUEEN'S  
FILM  
THEATRE.  
COM







## 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 66.

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) ([www.slc.co.uk](http://www.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: [www.slc.co.uk](http://www.slc.co.uk)

The tuition fees for undergraduate students enrolling for the first time at Queen's in 2017-18, with the exception of international students, will be based on 2016-17 levels, normally increased by inflation.

The tuition fees for undergraduate students, enrolling at Queen's in 2016-17, are as follows:

Students who normally live in Northern Ireland (NI students)	
Full-time undergraduate	£3,925
Students who normally live in England, Scotland and Wales (GB students)	
Full-time undergraduate	£9,000
Students who normally live in the Republic of Ireland and other non-UK European countries (EU students)	
Full-time undergraduate	£3,925

Further details on residency can be found at the web address on the following page.

### 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 2017, January and March 2018
- 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 refer to the web address on the following page.

### Applying for Tuition Fee Loans and Support

Eligible students, who first enrol in September 2017, 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 below:

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

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

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

Students from Wales  
[www.studentfinancewales.co.uk](http://www.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: [www.gov.uk/student-finance-forms](http://www.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 2017. 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.



[www.qub.ac.uk/Study/  
Scholarships-and-Finance](http://www.qub.ac.uk/Study/Scholarships-and-Finance)



## 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 the website below.

## 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. For further information, refer to the website below.

### Further Information

All queries on the information provided above should be directed to: The Student Helpline on +44 (0)28 9097 3223 or see website below.

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

Regular updates on tuition fees will be provided on the University website and direct to applicants.

[www.qub.ac.uk/Study/Scholarships-and-Finance](http://www.qub.ac.uk/Study/Scholarships-and-Finance)

## SCHOLARSHIPS

Each year, Queen's offers a range of scholarships and prizes for new students. For updated information, applicants are advised to visit the website above.

For students enrolling in 2016-17, awards include:

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

Eligible students who satisfy the conditions of their offer will qualify for a £1,250 scholarship per year. This amount will increase to £1,750 per year for those who achieve ABB at A-level or the equivalent in other qualifications, rising to £2,500 per year for those achieving AAB at A-level or the equivalent in other qualifications.

### 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 £200 to £4,000. See Queen's website for more information. Awards are subject to funding availability.

## University Bursaries

Full-time NI and GB undergraduate and PGCE students from families with a household income of up to £19,203 will receive a bursary of £390.

### Queen's Bursaries

The entitlement of full-time NI/GB undergraduate and PGCE students to Queen's Bursaries is assessed on the basis of household income and paying fees of £3,925/£9,000.

Bursaries are also available, on a pro-rata basis, to eligible students not paying the full undergraduate tuition fee; ie Foundation Degree and compulsory 'year out' students.

Full details and eligibility criteria for Queen's scholarships and bursaries are available at the link on the previous page.

Information on International Scholarships available can be found at [www.qub.ac.uk/internationalscholarships](http://www.qub.ac.uk/internationalscholarships)

Each year, Queen's offers a range of scholarships and prizes for new students



# STUDENT SUPPORT SERVICES

## Accommodation at Queen's

Going to university means becoming more independent and living at a Queen's University residence is a great opportunity to take the first step. Queen's offers some of the safest and best value-for-money contemporary student accommodation in the world.

Offering a style of living reflecting the transition from home to university life, Queen's accommodation provides support, help and guidance on settling into student life in Belfast as well as the all-important space to live and enjoy undergraduate life to the full.

Queen's Accommodation meets the requirements of most students for at least their first year of study with male and female students mixing with one another. This encourages students from all backgrounds and cultures to live together and learn from each other. We offer:

- **Single-Sex Accommodation:** living with either only male or only female students on the same floor or in the same house
- **No-Alcohol Accommodation:** alcohol cannot be consumed by you or your guests anywhere in the house, floor or apartment
- **Quiet-Living Accommodation:** living with other students who prefer a quieter, more study-focused environment

Ranked in the top 10 for university accommodation

(The Telegraph 2015)

## INVESTMENT IN STUDENT SERVICES

Over £350m was invested from 2006–2016, including:

- £14.5m international and postgraduate student accommodation
- £9m investment in Students' Union building
- £50m investment in the McClay Library
- £20m invested in Queen's Sport facilities

## Elms Village: the Perfect Place to Start Your Queen's Experience

Elms Village is the centrepiece of Queen's purpose-built student accommodation.

As a village, it has all the best aspects of communal living (opportunity to meet people, hang out with friends, do laundry – even have an en suite) without the hang-ups. Set out in a mix of 50 three-storey apartment buildings, each floor has 10 or 11 bedrooms and a shared kitchen and common room.

The majority of rooms are en suite, although standard rooms (with a wash basin, but shared access to a bathroom) are also available. Each common room has a TV and the kitchen is fully equipped and ready to go.

The Treehouse shop offers made-to-order sandwiches, a deli counter and coffee-to-go operating throughout the day. The Residential Life Team is also based in the Treehouse.

Support staff on call 24/7 makes Elms Village a safe and nurturing place to enjoy student life at Queen's.



## A Campus in the Heart of Belfast

Queen's University's historic campus is just a 15-minute walk from Belfast's vibrant city centre.

Situated within three designated conservation areas, walking or cycling around the area is a pleasant experience. Numerous shops, cafes and restaurants are nearby, as are Botanic Gardens, the Ulster Museum, the Lyric Theatre, and the Physical Education Centre.





## Key Benefits:

- 24-hour security
- 24-hour reception at the Elms Village site
- Support from the Residential Life Team
- The accommodation fee is based on self-catering; the all-inclusive package offers superb value for money
- Guest policy
- Car parking facilities for students and guests at the Elms Village site
- Fast and reliable Internet service (for 2016-17 each student will receive 30Mb wired and wireless service)
- Contents insurance cover
- Luggage storage facilities
- Convenience shop, ATM, laundry, computers and photocopiers at the Treehouse in Elms Village

Elms Village is located in a convenient, quiet residential area in easy reach of the University by foot. Belfast city centre is also within walking distance or accessible via public transport, which runs seven days a week.

Over 2,300 students from the UK and overseas live in Queen's accommodation

## Residential Life

University is about more than academic achievement – it offers excellent opportunities to make new friends and become involved in new activities. The Treehouse social space is at the heart of the Elms Village, where you can find the Residential Life coffee dock open each evening, The Lounge, a shop, a laundry and an ATM. The Residential Life

Team also organises a weekly programme of social events and outings. Events are held in the Treehouse at Elms Village and at other venues across the campus and are open to all students at Queen's. Trips are organised to visitor attractions throughout Northern Ireland as well as regular events within the city, such as the weekend markets, Belfast Giants ice hockey games and shopping trips.

## Queen's Houses

There are times when students want a more independent way of living than university-managed accommodation. Combining the peace of mind and security of halls of residence, Queen's houses make for a perfect alternative. The majority of these houses comprise fully-furnished, standard, single study-bedrooms. A mix of room types including standard, premium standard and twin rooms is available. All kitchens come equipped with appliances and televisions and some houses have access to a payphone and are located just a two-minute walk from Queen's main teaching buildings, as well as the McClay Library, campus restaurants and cafes. For extra peace of mind, University security staff operate a patrol in the area and respond to any emergencies.

## Cost of Accommodation

Accommodation fees are based on self-catering and the all-inclusive package offers some of the best value-for-money housing available to students in UK and Ireland.

Detailed information on pricing for all the accommodation options is available on the Accommodation website at: [www.stayatqueens.com](http://www.stayatqueens.com)

If you come from outside of Northern Ireland, we guarantee you a place in accommodation

## Guaranteed Accommodation for First Year Students

If you come from outside of Northern Ireland, we guarantee you a place in accommodation. This is always subject to availability at the time you apply, however, we will work with you to ensure that every new student is provided with support and a suitable accommodation solution. More information on our allocation policy can be found on our website.

## Families/Dependants

The University has a wide range of accommodation options that are suitable for students travelling with family members or dependants; please contact us to discuss your requirements for suitable housing prior to applying.

There are UK Visas and Immigration restrictions on family members students can bring with them to the UK as their dependants. Students applying for a first grant of entry clearance under Tier 4 may apply to bring family members as dependants if:

- you will study a postgraduate course of 12 months or more in length
- you are a government-sponsored student studying a course of six months or longer

If you have had a UK Student visa before, please contact Queen's International Student Support at [iss@qub.ac.uk](mailto:iss@qub.ac.uk) for further advice.

## Internet Service

The Internet service in your accommodation is provided by ASK4, an external company and specialist provider to other leading UK universities: [portal.ask4.com](http://portal.ask4.com)

A base package included in the accommodation fee comprises:

- instant Broadband, no complicated set-up
- dedicated 24/7 support centre
- a minimum wired and wireless internet speed of 30Mb (2016-17) to each room
- no download limits or usage charges
- 4Connect – up to six devices can be registered to your account at one time
- free access to 4TV; Free-to-view and International TV channels to view on your laptop
- gaming support for simultaneous console connections, with access to 100 gaming servers and the ability to host tournaments

Additional upgrade packages can be purchased which include high-speed internet of up to 100Mb.

## Tempted?

In case you are in any doubt about the cost of living in Belfast and the value for money offered by Queen's University-owned and managed accommodation, the comparison table on the Accommodation website should help. For a small charge we can provide the following additional services:

- Guest rooms for visiting family and friends (subject to availability)
- Laundry facilities
- Car parking
- Dry cleaning
- Room cleaning

Full details of all the University's properties, including how to apply, are available on the accommodation website. You can join or visit us on Facebook, at the Queen's Accommodation page.

Contact us at:  
Elms Village Reception,  
78 Malone Road, Belfast, BT9 5BW,  
t +44 (0)28 9097 4403, f +44 (0)28 9097 4524,  
e [accommodation@qub.ac.uk](mailto:accommodation@qub.ac.uk) or visit:  
[www.stayatqueens.com](http://www.stayatqueens.com)

## Private Landlord Accommodation within Queen's

The University recommends that students seek private sector accommodation through NI Student Pad:  
[www.nihestudentpad.co.uk/Accommodation](http://www.nihestudentpad.co.uk/Accommodation)

This site includes a database of available student properties including shared houses, flats, apartments and lodgings.

Advice is also available in the Students' Union regarding all aspects of renting accommodation in the private sector:  
[www.qubsu.org/AdviceSU/Accommodation](http://www.qubsu.org/AdviceSU/Accommodation)





# CAREERS AND EMPLOYABILITY



95%

of graduates in employment or further study

(HESA Destination of Leavers from Higher Education Survey, 2013/14)

## Career Development and Graduate Employment

Competition for graduate jobs can be intense; to succeed you need to focus on academic achievement, develop employability skills and work experience.

The staff within Careers, Employability and Skills can help you plan your route from study to graduate employment. The range of services on offer includes:

- professional guidance
- skills and professional development programmes
- events to link you directly with employers
- support to help you succeed with job applications and interviews
- access to part-time and vacation jobs, graduate employers and graduate jobs
- information and assistance on placements and international experiences
- further and postgraduate study

## A Degree with a Plus

You've already given yourself a head start by considering Queen's as your university, and Degree Plus can help add to your student experience and increase your employability.

This award, recognised by employers, allows Queen's students to gain accreditation for skills developed outside of their academic programme. Part-time work, volunteering, or involvement in the various sports, clubs and societies that the University has to offer, all count towards your Degree Plus Award.

Additional courses, including languages training and career development programmes

offered by Careers, Employability and Skills, are also recognised.

In a competitive graduate job market, Degree Plus is a positive way of enhancing your skill set and contributing to your personal development.

## Opportunities to Study and Work Abroad



Studying or working abroad is one of the best practices of modern times. It provides exposure to new cultures and helps you to develop your professional and personal aims and ambitions. Queen's plays a major role in the global higher education environment, with links to many leading universities around the world, and is able to offer an array of international opportunities to broaden students' horizons and enrich their university experience.

Students can undertake Erasmus study placements at over 150 partner universities across Europe or Erasmus work placements with an employer. In 2013 a Queen's student was the winner of the UK-wide Erasmus Prize competition.

Queen's also has a close relationship with Santander Universities, and students following interdisciplinary degree programmes within the arts and social sciences can benefit from study visits to leading universities in Spain, Portugal and Latin America, particularly Brazil.



Opportunities also exist within the United States. Queen's students regularly participate in the Study USA programme, spending a year studying business at a US college. The Project Children Intern Program provides the opportunity for students to spend the summer working in the US to further their knowledge and experience in their chosen field of study. Meanwhile, the Washington Ireland Program offers the chance for students to serve as interns in the offices of US politicians and government departments.

International work placements are also available through the The International Association for the Exchange of Students for Technical Experience (IAESTE) programme for students from science, engineering and technology disciplines.

Looking to the East, students can also gain experience in India, Malaysia, China and Thailand through a variety of projects funded by government and other international agreements between leading institutions and Queen's.

## What International Study Options are Available?

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. Many students participate in the European Erasmus programme. The Careers, Employability and Skills service or your School can help you to research your options and organise your exchange placement.

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.

You will still be entitled to your student loan whilst abroad and students of any nationality going on an Erasmus exchange to Europe will also normally receive an Erasmus grant to help cover their additional costs.

## Do I Need to Have Fluent Language Skills?

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 Australia. 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's Language Centre, located within the McClay Library, before they go abroad.

## Where Can I Go?

Queen's has over 150 Erasmus partner universities in Europe and a growing range of opportunities outside Europe. Our selected partner institutions offer a high standard of student academic experience and support

## Here's what our students have to say...

**Name:** Jessica Simonds  
**From:** Conwy, Wales  
**Studying:** International Politics and Conflict Studies

It was clear from Welcome Week that Queen's is prestigious, making new students feel very worthy of being here by having alumni speak about their employability and extracurricular experiences and letting us know about programmes such as Degree Plus, Erasmus and Study USA.

I didn't know anyone else who was coming to Queen's from where I live in Wales – so I was very much thrown in the deep end! I am very lucky to be living with lovely people in the University's Elms Village student accommodation; and have also made lots of friends through my course, societies and nights out.

Watch our student YouTube testimonials here:  
[www.youtube.com/user/Come2Queens](http://www.youtube.com/user/Come2Queens)





abroad, and we work closely with our partners to ensure your time abroad is enjoyable, safe and rewarding. Some of the top universities in the world are amongst our partners, including the University of Alberta, Canada, Queen's University Kingston, Ontario, Canada, and the University of Newcastle, New South Wales, Australia. This means you can study at international centres of academic excellence without having to pay extra tuition fees.

Studying abroad enhances your employability prospects after you graduate and helps you to develop independence and improve your organisational skills. Many students report that studying abroad has been the highlight of their degree.

## Any Other Benefits?

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.

## Further Information

e: [erasmus@qub.ac.uk](mailto:erasmus@qub.ac.uk)  
or visit Careers, Employability and Skills at [www.qub.ac.uk/careers](http://www.qub.ac.uk/careers)

Further details are also available from the UK Erasmus National Agency (British Council) at [www.erasmusplus.org.uk/what-can-i-do](http://www.erasmusplus.org.uk/what-can-i-do)

*This project has been funded with support from the European Commission. This communication reflects only the view of the author and the Commission cannot be held responsible for any use, which may be made of the information contained therein.*

Many students report that studying abroad has been the highlight of their degree

## The Science Shop

The Science Shop offers students from all disciplines an opportunity to carry out their research project or dissertation on behalf of a community-based organisation. Community groups submit research ideas and Science Shop staff work with students who carry out the research as part of their degree. Students from all disciplines can develop their research skills whilst offering community organisations a useful piece of research.

Benefits to you include:

- enhancing your CV by getting real-life experience in the community
- choosing from a list of ready-made research projects
- being accompanied to the initial project design meeting and getting extra support during the project

Although you won't be paid, there is a £1,000 prize fund for the best student projects each year.

For further information, please contact:  
Emma McKenna or Eileen Martin  
Student Guidance Centre  
Queen's University Belfast,  
t+44 (0)28 9097 3107/3410  
[science.shop@qub.ac.uk](mailto:science.shop@qub.ac.uk)

Students from all disciplines can develop research skills

## Student Guidance Centre

Students can access a range of student-focused services in key areas of support through a single point of contact at the University. The Student Guidance Centre is the first place to visit for student information, support, advice and guidance:  
[www.qub.ac.uk/directorates/sgc](http://www.qub.ac.uk/directorates/sgc)

Services available include:

- Careers, Employability and Skills service
- Disability Services
- International Student Support
- Learning Development Service
- Student Administration
- Student Finance
- Student Resilience and Well-being
- Widening Participation Unit

## Support for Students with Disabilities

Queen's welcomes and encourages applications from people with disabilities and long-term conditions. All prospective students are encouraged to disclose any disability or condition, which may require support during your time at university. Disclosing your disability does not affect the application process, but ensures your individual requirements can be addressed from the beginning of your studies.

Please see page 112 and the link above for more information.

## Childcare

The University offers a range of childcare support. This includes full-time day care in three crèches for up to 98 children aged two months to four years, out-of-school care for 32 Primary School children aged four to 11 years, and a summer activities scheme for children aged six to 14 years.

Childcare crèches on campus are open from 8.15am–5.45pm Monday to Friday for 48 weeks of the year.

Out-of-School Club Opening Hours:

During Term Time: Post-school: 5.45pm  
School Closures Full day: 8.45am–5.45pm  
Half-day sessions: 8.45am–12.45pm/1.45–5.45pm

For further details, contact the Childcare Office,  
Queen's University Belfast Students' Union,  
Belfast BT7 1NF  
t +44 (0)28 9097 5342

Crèche locations:  
11 College Gardens, Belfast  
t +44 (0)28 9066 2146  
1 Rugby Road, Belfast  
t +44 (0)28 9031 2353

Out-of-School Club:  
5 Rugby Road, Belfast  
t +44 (0)28 9032 8407

[www.qub.ac.uk/childcare](http://www.qub.ac.uk/childcare)

## Religious Representatives

Chaplains give a high priority to meeting students and, where appropriate, offer advice and assistance in a wide range of areas relating to university and student life.

Chaplains and other religious representatives are appointed by the University to represent and serve students and staff. Currently, 12 faiths and denominations are represented at Queen's. There are four Chaplaincy Centres, with three full-time Chaplains and other staff located near the Students' Union and close to the main campus.



## Queen's Welcome Centre

Situated inside the world-famous Lanyon Building, the newly refurbished Welcome Centre serves as an information point, giving directions to specific areas of the campus and advice on what to see and do in and around Belfast.

The Centre also stocks a wide range of Queen's memorabilia as well as stationery, books and gifts linked to many subject areas. The Centre hosts exhibitions and events throughout the year. Tickets for many events can be purchased here. Check out the events calendar at: [www.whatsonatqueens.com](http://www.whatsonatqueens.com)

Guided tours of the University are available on request, or pick up a Walkabout Guide and explore the University at your leisure.

For further information, contact Queen's Welcome Centre, Lanyon Building,  
Queen's University Belfast, BT7 1NN,  
[queens.welcomecentre@qub.ac.uk](mailto:queens.welcomecentre@qub.ac.uk)  
[www.qub.ac.uk/welcomecentre](http://www.qub.ac.uk/welcomecentre)

*Please note: Queen's Welcome Centre is accessible by wheelchair.*



## University Health Centre at Queen's

The University Health Centre at Queen's is a General Practice providing student-focused national health services and University-funded, non-NHS services for Queen's students.

It is staffed by a friendly team, who understand university life. Located on the doorstep of the main campus, beside the Student Guidance Centre and close to student residences, the Health Centre provides a full range of NHS services and offers out-of-hours emergency cover if required. Students who live within the Health Centre area can register by bringing their medical card, or if unavailable, by filling out a HS22X form at the Health Centre.

For further information contact:

University Health Centre,  
Elmwood Manse,  
7 University Terrace, Belfast, BT7 1NP  
t +44 (0)28 9066 4634  
[www.universityhealthcentreatqueens.co.uk](http://www.universityhealthcentreatqueens.co.uk)



# Stay Connected: Queen's Alumni Relations Team

## Be part of the Queen's family

The Development and Alumni Relations Office is your lifelong link to Queen's. We organise events to keep you in touch with friends and help make new ones.

Our alumni enjoy life-long connections and join a network of over 160,000 individuals who are making a real difference in more than 120 countries around the world.

## An Active Role

We also play an active role in mentoring success. Our alumni mentor current students, run branches of our graduate associations worldwide, and provide financial support to enhance the University experience.

## Transforming the World

Queen's alumni join a list of high-profile graduates and network membership opens the door to an array of amazing benefits, from alumni events to careers support.

Our alumni network actively encourages employers to engage with graduates through employer-attuned courses, embedded skills and work placements with people at the top of their game, people who are changing the world and building powerful networks every day.

Over 160,000 individuals in more than 120 countries

## Be Proud

Our alumni magazine, 'The Graduate', is sent to your home every year. It is packed with information about the campus, investment, research and graduate success stories.

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)  
ac.uk and visit: [www.qub.ac.uk/alumni](http://www.qub.ac.uk/alumni)



## Here's what our students have to say...

**Name:** Fiona Cunningham  
**From:** Annahilt, Northern Ireland  
**Studying:** Biomedical Science

I chose to study at Queen's because of the experience I had at the University's Open Day. The teaching staff I met that day, the practical activities I was involved in, and the topics of the course really cemented my choice. Also, I knew from various media that Queen's is a top research institute and that was something I really wanted to be part of.

It has been a great learning experience and I have particularly enjoyed meeting new people and making friends with people from all over the world – it has definitely awakened me to the different cultures from around the globe.

Watch our student YouTube testimonials here:  
[www.youtube.com/user/Come2Queens](http://www.youtube.com/user/Come2Queens)





# A GLOBAL UNIVERSITY

## INTERNATIONAL STUDENTS

Queen's ranked 20th in the world for international outlook

(Times Higher Education 2015)

Queen's is an international university ranked in the world's top 200 universities. Some 1,800 international students from over 80 countries currently study here each year. Our graduates make their mark all over the world in diverse fields from Accounting to Zoology. As a result, there are active graduate associations in Australia, Belgium, Canada, Hong Kong, Malaysia, and the US.

We believe that our students deserve the best and have put this belief into action by investing £700m in providing some of the finest student facilities and services throughout the UK and Ireland, including: the award-winning McClay Library, which houses our Language Centre; Queen's Graduate School; investment in new state-of-the-art buildings for the School of Law and the Faculty of Engineering and Physical Sciences; a comprehensive Students' Union offering student support and social spaces to meet fellow students; Elms Village, boasting some of the safest and best value-for-money student accommodation and onsite facilities in the world; and Queen's Sport's outstanding sports centre, catering for all levels and sporting interests.

As a research university of distinction, Queen's contributes to positive social transformation around the world. The Water for Life scheme, developed by Queen's scientists/engineers and first implemented in India, now extends to other parts of the world, and is just one example of successful research that is changing people's lives for the better. The University has also formed many international partnerships with highly-regarded institutions around the world to maximise the quality and, most significantly, the impact of its education and research.





## Study Programmes and How to Apply

Queen's welcomes applications from students wishing to enrol on undergraduate degrees or who wish to attend the University on a non-graduating basis.

[www.qub.ac.uk/international/applying](http://www.qub.ac.uk/international/applying)

## Undergraduate Degree Application Information for International Students

Applications for full-time undergraduate degrees at Queen's should be made through the Universities and Colleges Admissions Service (UCAS) – please see [www.ucas.com](http://www.ucas.com). Details of the online application process can be obtained from your school, or from British Council offices. The application deadline for international students is **30 June 2017** for most degrees, however, the deadline for all Medicine and Dentistry applicants is **15 October 2016**. You are advised to apply earlier than this due to demand for places. Late applications may be considered at the discretion of the University.

Applicants with queries about the acceptability of their qualifications can email their inquiries to the Admissions and Access Service ([admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)), giving detailed information about academic background/qualifications before submitting their application.



Dedicated to the highest standards of teaching

INTO



## Academic and English Language Preparation for University

INTO Queen's University Belfast is a college of the University providing a range of academic preparation and English language courses to help prepare International Students for future study at Queen's.

At the INTO Queen's Centre you will find premium facilities, an inspiring learning environment and staff dedicated to the highest standards of teaching and personalised student support.

As a member of the University, from the first day, students will join an international student community that shares an ambition to excel in their education and go on to establish a successful career. INTO students will also benefit from free membership of the sports facilities at the University and have full access to the University facilities.

## INTO English Language Courses

INTO Queen's offer a range of English language courses for international students who need to meet the English requirements for study on an academic programme at INTO Queen's or a degree at Queen's University Belfast.

### English for University Study

English for University Study has start dates in April, June, September and January of each year and are run in term blocks, giving students the flexibility to choose when they start their course in order to reach the appropriate level of language proficiency for further academic study.

### Pre-sessional English

Pre-sessional English courses of four, six or 10 weeks are available for students who hold an offer with Queen's University and need to improve their standard of English before commencing their degree programme at Queen's.

### In-sessional and Summer English

International students at Queen's are entitled to attend a free, two-hour-per-week, semester-long, In-sessional English language course at the INTO Queen's Centre. A small charge is applicable to cover books and materials.

INTO Queen's also provide English language summer schools for groups who wish to study a short summer course.

## INTO Academic Preparation Programmes

### International Foundation programme

The International Foundation provides a pathway to the first year of a wide range of undergraduate degrees at Queen's, subject to successful completion of the programme and meeting the required degree requirements. There are three pathways available:

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

### International Year One

The International Year One programme, leading to the International Diploma, provides international students with a high-quality education equivalent to the first year of an undergraduate degree at a UK university. Subject to reaching the required grades, students can go directly to the second year of a relevant undergraduate degree. There are three pathways available:

- Accounting
- Engineering
- Management and Finance

Students can enrol on the International Foundation and the International Year One programmes in April, June, September and January each year, leading to undergraduate entry in the following September upon successful completion. Both programmes are taught over three, four or five terms, with assessment throughout the year; exams take place in the middle and final weeks of the programme.

## How to Apply

You may apply for an academic or English language programme by completing and submitting a direct application form available online at: [www.intohigher.com/regional-selector.aspx](http://www.intohigher.com/regional-selector.aspx)

Alternatively, for further information, please contact us at  
t: +44 (0)28 9097 6850,  
or email: [into@qub.ac.uk](mailto:into@qub.ac.uk)

## University Preparation Courses in China

Preparatory foundation programmes in Social Sciences and Engineering at undergraduate level have been run jointly with Shenzhen University in Southern China for nearly 20 years. On the successful completion of these programmes, students proceed to Year One of undergraduate studies at Queen's.

## Erasmus Programme

This programme is open to students nominated by a European university outside the UK who wish to study at Queen's for one or two semesters as part of their degree at their home university. The partner university must hold an Erasmus University Charter and have an existing bilateral agreement with Queen's. Erasmus students are not permitted to undertake full degrees at Queen's. For more information on the Erasmus programme, interested students should contact the office responsible for Erasmus at their home university or visit: [www.qub.ac.uk/careers](http://www.qub.ac.uk/careers)

## Study Abroad Programme at Queen's

The Study Abroad Programme is open to students from any country (outside the UK or Republic of Ireland), offering the opportunity for students to take time out from their own institutions and attend Queen's on a non-graduating basis, for either one or two semesters. The normal entry requirement is a GPA of 3.0 on a scale of 4 (or equivalent).

A wide range of courses is available and students may register in virtually any subject with the exception of medicine, subject to having the necessary prerequisites from their home university. Students undertake all aspects of coursework and take examinations just as local students do, and should make their own arrangements for the transfer of credit to their home university. As a guideline, a full undergraduate year's study would be equivalent to between 30–36 US credits or 60 ECTS (European) credits. An application form and further information is available at: [www.qub.ac.uk/studyabroad](http://www.qub.ac.uk/studyabroad)

## Exchange Programmes

Queen's has University-wide undergraduate student exchange agreements with Queen's University, Kingston (Canada), the University of Alberta (Canada), and the University of Newcastle NSW (Australia). Other subjectspecific exchange agreements include those with Sogang University, Ulsan University and Sunkunkwan University (South Korea). Exchange possibilities also exist with institutions in China, India and Malaysia. Note: students from the institutions named above wishing to attend Queen's under the terms of an exchange programme should contact the Study Abroad Office of their home university in the first instance.

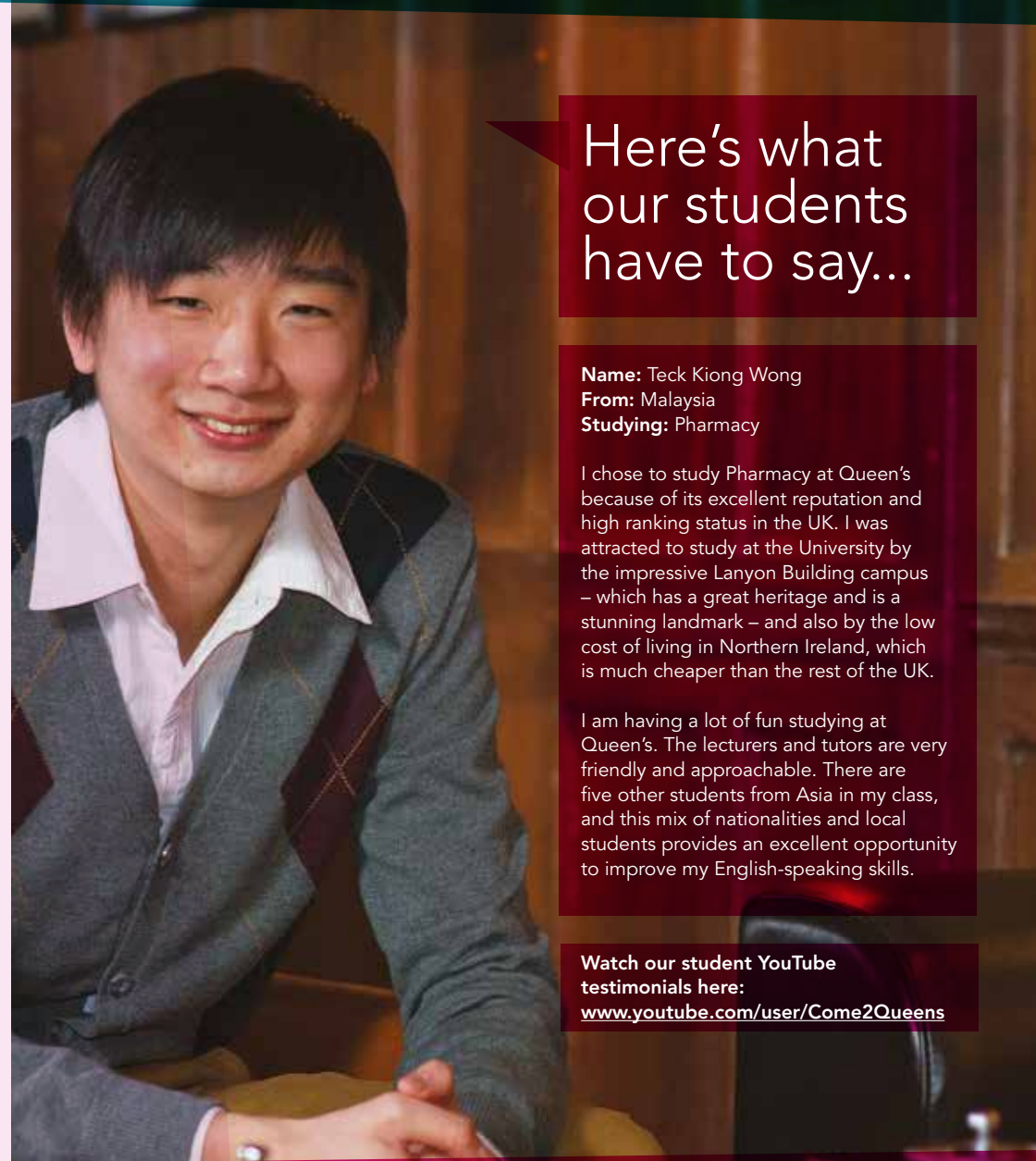
## Here's what our students have to say...

**Name:** Teck Kiong Wong  
**From:** Malaysia  
**Studying:** Pharmacy

I chose to study Pharmacy at Queen's because of its excellent reputation and high ranking status in the UK. I was attracted to study at the University by the impressive Lanyon Building campus – which has a great heritage and is a stunning landmark – and also by the low cost of living in Northern Ireland, which is much cheaper than the rest of the UK.

I am having a lot of fun studying at Queen's. The lecturers and tutors are very friendly and approachable. There are five other students from Asia in my class, and this mix of nationalities and local students provides an excellent opportunity to improve my English-speaking skills.

**Watch our student YouTube testimonials here:**  
[www.youtube.com/user/Come2Queens](http://www.youtube.com/user/Come2Queens)







### Fees – Full-time Undergraduate Courses 2016/17:\*

**Classroom-based courses:**  
£13,945 (US \$19,802)

**Courses with a laboratory or workshop component:**  
£17,885 (US \$25,397)

**Medicine:**  
**Pre-clinical years:**  
£18,470 (US \$26,227)

**Clinical years:**  
£34,830 (US \$49,459)

**Dentistry:**  
£28,285 (US \$40,165)  
This fee is chargeable each year of the five-year BDS degree.

**Study Abroad:**  
£5,950 (US \$8,449) per semester

\* Approximate equivalencies are shown at the following rate (7 March 2016): US\$1.42 = £1

## International Fees and Living Costs

The provisional tuition fee rates for non-EU students for the academic year 2016–17 are given below 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.

Queen's offers a special, fixed-fee package for international students undertaking courses of longer than one year's duration. The fee you pay in the first year will be the same for each subsequent year of your course.

## 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 2017, January and March 2018. 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 [www.qub.ac.uk/Study/Scholarships-and-Finance](http://www.qub.ac.uk/Study/Scholarships-and-Finance)

## 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.

## Cost of Living

Belfast has the lowest cost of living in the UK. For immigration purposes, non-EU students will be required to show evidence of funds to cover living expenses. Further information is available at UK Visas and Immigration: [www.gov.uk/government/organisations/uk-visas-and-immigration](http://www.gov.uk/government/organisations/uk-visas-and-immigration)

## International Scholarships

The University offers a number of tuition fee scholarships for international students. For further details, please visit: [www.qub.ac.uk/internationalscholarships](http://www.qub.ac.uk/internationalscholarships)

## US Federal Loans

Many US students opt to finance their studies at Queen's through US Federal Loans. Queen's is approved by the US Department of Education for participation in the Title IV Federal Loans programme. US Federal Loans are generally available to eligible students who will be undertaking Bachelor's, Master's or PhD programmes at Queen's, except in Medicine and Nursing. Students can normally borrow up to the full cost of attendance of their programme (including tuition, subsistence and airfare). Further details are available at: [www.qub.ac.uk/isso](http://www.qub.ac.uk/isso)

## International Student Support

The International Student Support team has special responsibility for looking after and supporting international students before arrival and provides help with adjusting to a new way of life when you arrive in the UK.

The team offers specialist visa and immigration advice for prospective international students and also to registered Queen's students who need to extend their visas. They are the only area at the University authorised to give immigration advice to students.

Contact the International Student Support team by email at [iss@qub.ac.uk](mailto:iss@qub.ac.uk) Staff will be delighted to hear from you before you arrive and are happy to answer any questions you might have and as often as you want to ask.



SOME **1,800**  
INTERNATIONAL  
STUDENTS FROM OVER  
80 COUNTRIES  
CURRENTLY STUDY  
AT QUEEN'S



## International Students' Orientation Programme

International Student Support organises a five-day orientation programme in mid-September, prior to the start of the first semester. This falls within the overall Welcome and Orientation Programme for all new students to Queen's.

A four-day orientation programme for international students is held in late January to allow them to meet staff from International Student Support, academic staff, Students' Union representatives and, of course, fellow students. The programme includes tours of the University's academic and recreational facilities and the city of Belfast. Students will also be given advice on adjusting to university academic study, life in university accommodation, living expenses and local immigration requirements.

## Welcome and Transfer Service

Prior to the orientation programme a 'Welcome' service is provided at George Best Belfast City Airport, Belfast International Airport and the University's own Elms Student Village.

Details about the service will be provided before you arrive, and make sure you sign up to let us know your arrival day and time.

## Immigration/Visa Information

International students from outside the EEA and Switzerland will need a visa for studying in the UK. The UK Immigration rules are known as the 'Points Based System' (PBS), and under PBS the visa route for students is known as Tier 4. International students from outside the European Economic Area and Switzerland will need to hold an offer of a place and will also need 40 points to qualify for a Tier 4 (General) Student visa to enter the UK to study, consisting of 30 points for a Confirmation of Acceptance for Studies (CAS) number (provided by Queen's University) and 10 points for evidence of sufficient funds (money) to pay your fees and living expenses. The University will require details of all your previous studies in the UK before providing you with full details of your CAS, which you will need before you can apply for your visa. The International Student Support team will assist with questions about visas and help you through the process.

Full guidance can be found at:  
[www.qub.ac.uk/isso](http://www.qub.ac.uk/isso)

If you are planning to study in the UK for longer than six months, it is compulsory to apply for a Tier 4 (General) Student visa before travelling to the UK. It is obtained by making an entry clearance application at a British diplomatic post in the country where you are a national or resident.

If you are coming to the UK to study for LESS than six months (eg under the Study Abroad Programme), you can apply for a 'Short Term Student visa'. This will allow you to enter and remain in the UK for up to six months; you will not be able to extend the visa in the UK and you will not be able to work (paid or unpaid) while you are in the UK. If you might want to continue your studies and/or you want to work while you are here then you should apply for a Tier 4 (General) Student visa.





## 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 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 <https://www.gov.uk/guidance/academic-technology-approval-scheme>

## Points-Based System Obligations

Queen's University, as Sponsor for Tier 4 visas, is required by law to undertake certain recording and reporting duties, including:

- taking and keeping a copy of your passport and visa(s)/immigration documents
- keeping an up-to-date record of your UK address, email address and telephone number(s) informing the Home Office if you defer your studies, change or withdraw from your studies, change to another Sponsor, change your visa status, or if you do not arrive on the expected date to start your course
- monitoring your attendance and informing the Home Office if you miss expected School contact points

As a visa holder you are required by law to keep the conditions of your visa. Failure to do so may result in the University withdrawing sponsorship of you as a student in the UK, which may result in your registration being terminated.

PLEASE NOTE: we strongly recommend that you arrive via a UK 'port of entry' such as Heathrow, Gatwick, Belfast or Manchester so that your visa will be stamped granting you 'leave to enter' the UK. If you are planning to arrive in the Republic of Ireland you must obtain a prior entry clearance visa, but firstly you must contact our International Student Support team.

Before leaving your home country for the UK (or Ireland) please make sure that you have the necessary documents to enable you to enter the country. All students (except those from EU countries) are required to bring evidence that they have sufficient funds to support themselves for the duration of their studies in the UK. If you require any further information about immigration or other issues relating to international students, please email [iss@qub.ac.uk](mailto:iss@qub.ac.uk)

## Accommodation for International Students

International students are guaranteed a place in University accommodation for at least their first year at Queen's. There are limited accommodation places for international students studying on one-semester courses, such as Erasmus and Study Abroad Programmes. Married international students are advised that it is difficult to obtain suitable accommodation at short notice. Students who propose to bring their family are strongly advised to do one of the following:

- contact us immediately once you have been accepted onto a course at Queen's to discuss your accommodation requirements and check availability
- initially come alone in order to find suitable accommodation in the local area

The quickest way to apply for University accommodation is by making an online application at [www.stayatqueens.com](http://www.stayatqueens.com)

For more information, see the Accommodation section on page 44.

## International Office

The International Office staff regularly travel overseas to attend education exhibitions organised by the British Council and other organisations, and to offer information sessions to prospective students and help them prepare for arrival at Queen's.

If you would like more detailed information about any of Queen's study programmes or general information about the University, please contact: the International Office, Queen's University Belfast, at +44 (0)28 9097 5088, f +44 (0)28 9097 5089, e [international@qub.ac.uk](mailto:international@qub.ac.uk) [www.qub.ac.uk/home/International](http://www.qub.ac.uk/home/International)



Queen's is ranked in the top 200 universities in the world

(QS World University Rankings 2015/16)

## Useful Links

Links to British Council offices across the world [www.britishcouncil.org](http://www.britishcouncil.org)

The British Council's website for international students interested in studying in the UK [www.educationuk.org](http://www.educationuk.org)

UKCISA – UK Council for International Student Affairs provides advice and information to International students studying in the UK [www.ukcisa.org.uk](http://www.ukcisa.org.uk)







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

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



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)  
[www.qub.ac.uk/Study/  
Undergraduate/How-to-apply](http://www.qub.ac.uk/Study/Undergraduate/How-to-apply)

# THINKING ABOUT APPLYING?







## 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:**

- i) you meet the necessary criteria (if there are any) to take the modules
- ii) it is possible to timetable both classes and examinations for the chosen combination of modules
- iii) 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 – eg 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 on page 84 to find out where this is possible.

## 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 51).

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 (eg 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 a range of opportunities and activity advertised on the student portal MyFuture ([www.qub.ac.uk/myfuture](http://www.qub.ac.uk/myfuture)) which is enhanced by information on the Careers website ([www.qub.ac.uk/careers](http://www.qub.ac.uk/careers)).

These services are provided by the Careers, Employability and Skills staff which includes careers consultants, who you will be introduced to through your schools and who you can meet for one-to-one career consultations 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 <https://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.



# TEACHING, LEARNING AND ASSESSMENT

You may find that the approach to learning and teaching 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.

You will experience a variety of classes – lectures, tutorials, seminars, practical instruction, laboratory, etc. Small groups will meet regularly with a tutor to discuss their subject, their work and opinions in depth, which also permits the sharing and ‘testing’ of each other’s knowledge – ie checking the relevance of your reading and the basis of your arguments. 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.

Each module will involve assessment – assignments, essays, practical reports, presentations, projects, examinations, etc. You will get feedback on academic work from your lecturer or from other students, which 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 (see page 55).

The University places considerable emphasis on teaching informed by research of national and international standing, and promotes innovative methods of teaching and assessment to enhance the quality of your learning experience. 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.

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: [www.qub.ac.uk/myfuture](http://www.qub.ac.uk/myfuture)

The Science Shop provides opportunities for students from all University departments to engage in stimulating, fulfilling and career-enhancing projects with non-profit organisations through their course (see page 55). 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 ([www.qub.ac.uk/degreeplus](http://www.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).

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



# 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, 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 in GCSE English Language. Applicants whose first language is not English should refer to the section on the following page 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) and the General Certificate of Education (Advanced Level) as follows:

Either

- Passes in at least five subjects, two of which should be at A-level or
- 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: [www.qub.ac.uk/ado](http://www.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

- Passes in at least five subjects, three of which should be at Higher level or
- Passes in at least four subjects, all of which should be at Higher level

See table on page 108 for guidance.

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

Please refer to page 107–110 for more detail.

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

Please refer to page 107 for more detail.

### 5. The Welsh Baccalaureate Advanced Diploma (WBAD)

Please refer to page 83 for more detail.

### 6. The Advanced (14–19) Diploma

Specific additional/specialised learning may be required.

### 7. The International Baccalaureate Diploma

See table on page 109 for guidance.

### 8. The Cambridge Pre-U Diploma

Please refer to page 109 for more detail.

### 9. 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.

### 10. The European Baccalaureate

Further information is available in the Undergraduate Admissions Policy 2017 Entry at [www.qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy](http://www.qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy)

### 11. 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.

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

The University operates a RPL policy which includes experiential learning or prior certificated learning for admissions purposes. This is available at [www.qub.ac.uk/directorates/AcademicAffairs/GeneralRegulations/Procedures/ProceduresforRecognitionofPriorLearningRPL/](http://www.qub.ac.uk/directorates/AcademicAffairs/GeneralRegulations/Procedures/ProceduresforRecognitionofPriorLearningRPL/)

### 13. 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:

- IGCSE English Language (including Speaking and Listening/Oral test) or a recognised overseas O-level English Language
- Cambridge English: Proficiency in English (CPE)
- Cambridge English: Advanced (CAE)
- University of Cambridge International Examinations (CIE) GCE O-level English Language Syllabus 1119/1120 (with pass in Oral test/1123/1127/1128)
- IELTS Academic Test
- TOEFL iBT® (internet-Based)
- INTO English for University Study Test
- Pearson Test of English (PTE) Academic™
- HKDSE – Hong Kong Diploma of Secondary Education
- Trinity ISE III or IV Integrated Skills in English Examinations (with at least a Pass in all test components)

Applicants who require a visa for study, and who intend to undertake a Pre-session English course prior to commencing their degree must hold a Secure English Language Test (SELT) approved by UK Visas & Immigration (UKVI) – see [www.gov.uk/visas-immigration](http://www.gov.uk/visas-immigration)

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

## 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 will be introduced on a phased basis, will result in applicants presenting with different qualification profiles from 2017 entry. 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 [www.qub.ac.uk/ado](http://www.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 will have the same structure as previously though the AS component of the A-level will have 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 programmes where a fourth AS-level is necessary are Medicine and Dentistry and the Extended Project Qualification (EPQ) is acceptable in lieu. This requirement will remain in place for Medicine, and at this point, also for Dentistry. 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 in GCSE English (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 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 and C to grade 4. Grade B will be mapped to either a grade 5 or 6 and this will be confirmed as soon as possible. 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

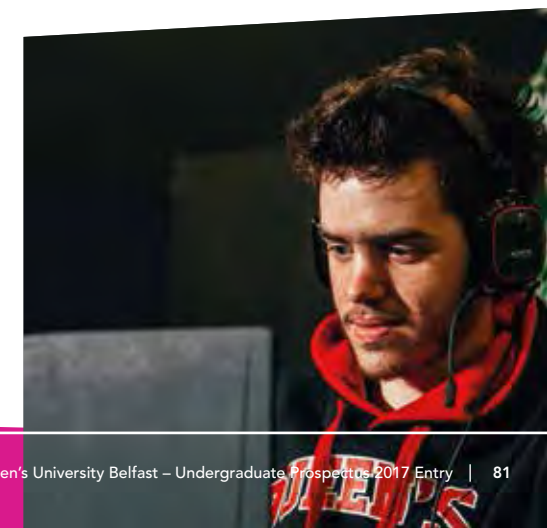
A pass in the practical element of the reformed Science A-levels will be a requirement and this will be specified in offers.

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

# 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: [www.qub.ac.uk/Study/Course-Finder](http://www.qub.ac.uk/Study/Course-Finder)

All applicants are considered individually on their merits and the full information on the application, 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:

- i) Overall academic background and, in particular, performance at GCSE and AS-level or in the first year of BTEC/OCR Level 3, BTEC HNC Level 4/HND 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.
- ii) 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.
- iii) 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.

- iv) For students who have studied beyond A-level or equivalent, performance at this level will also be taken into account.
- v) In addition to academic criteria, interviews, admissions/aptitude tests, auditions, etc form part of the selection process for some courses.
- vi) Some Course Selectors may also take into consideration experience, motivation and commitment to the chosen course.
- vii) 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 and Dentistry require three A-levels plus one AS-level (or acceptable alternative – see A-Z of degrees).**

- viii) 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 release of A-level results in August.
- ix) An A\* grade 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.

- x) Where applicants take AS-level examinations at the end of Year 13 (Year 12 in England and Wales), 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.
- xi) Course Selectors, especially for the high-demand courses, may not equate the points score of two AS-levels to that of 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.
- xii) 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.
- xiii) 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 Dentistry and will also be taken into account in lieu of an additional AS-level in August in borderline cases for all other degree programmes.

- xiv) The Welsh Baccalaureate Advanced Diploma (WBAD): The WBAD is considered in lieu of an A-level (grades A\*–C) with the exception of Medicine and Dentistry (where the appropriate grade is accepted in place of the required AS-level).
- xv) Key Skills, Certificate of Personal Effectiveness (COPE) and the Open University's Young Applicants for Schools and Colleges Scheme (YASS): 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 normally form part of the conditions of any offer, they may be used in a tie-break situation.

## Course Finder

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

# A-LEVEL ENTRANCE REQUIREMENTS

The A-level 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. 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: [www.qub.ac.uk/Study/Download-a-Prospectus](http://www.qub.ac.uk/Study/Download-a-Prospectus)

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Accounting	BSc (Accounting) [S]	3	AAB + GCSE Mathematics grade B.	120
	BSc (Accounting) [S] with a language	4	AAB + GCSE Mathematics grade B. • For French option – 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 – A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language. NB: If the language is studied at a higher level then the grade required at that level must be achieved.	120
Actuarial Science and Risk Management	BSc (Econ) [J with Economics]	3	ABB + GCSE Mathematics grade B.	162
	BSc [S] (sandwich course)	4	A*AA including Mathematics OR AAA + A (AS) including A-level Mathematics.	122
@ 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. NB: applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science CC.	124
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics. NB: applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science BB.	124
@ 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 one relevant subject (see list below) + GCSE Mathematics grade C. <b>Relevant subjects:</b> Agricultural Science, Biology, Chemistry, Computer Science, Environmental Science, Geography, Geology, Home Economics, ICT, Mathematics, Physics, Physical Education, Psychology and Technology and Design. Other subjects considered on an individual basis. NB: applicants not offering either Biology or Chemistry at A-level should have a minimum of a grade C in GCSE Chemistry or GCSE Double Award Science grades CC.	126



Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Applied Mathematics and Physics	BSc [J]	3	A (Mathematics) BB including Physics.	212
	MSci [J]	4	AAA including Mathematics and Physics OR A* (Mathematics) AB including Physics.	212
Archaeology	BA [S/J]	3	BBB	128
Archaeology-Palaeocology	MSci [S]	4	AAB + GCSE Mathematics grade C.	128
	BSc [S/J]	3	BBB + GCSE Mathematics grade C.	128
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.	130
Astrophysics	BSc [available with Physics]	3	BBB including Mathematics and Physics.	242
Ⓢ Biochemistry	MSci [available with Physics]	4	AAB including Mathematics and Physics.	242
	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. NB: 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.	132
	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. NB: 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.	132

Subject	Degree	Yrs	A-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 + 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	134
	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 + 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	134
Biological Sciences	FdSc [S] <sup>3</sup>	2	CC including Biology or Double Award Applied Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	136
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 grade C and GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.	138
Business Economics	BSc(Econ) [S]	3	ABB + GCSE Mathematics grade B.	140
Business Information Technology	BSc [S] (sandwich course)	4	ABB + GCSE Mathematics grade C.	142
Business Management	BSc [S]	3	ABB + GCSE Mathematics grade B.	144

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Chemical Engineering	BEng [S]	3	BBB including Mathematics and at least one from Chemistry (preferred), Biology, Computer Science, Geography, ICT (not Applied), Physics, Technology and Design or Double Award Applied Science. NB: applicants not offering Chemistry or Physics at A-level should have a minimum of either GCSE Chemistry grade C and GCSE Physics grade C or GCSE Double Award Science grades CC.	146
	MEng [S]	4	AAB including Mathematics and at least one from Chemistry (preferred), Biology, Computer Science, Geography, ICT (not Applied), Physics or Technology and Design. NB: applicants not offering Chemistry or Physics at A-level should have a minimum of either GCSE Chemistry grade B and GCSE Physics grade B or GCSE Double Award Science grades BB.	146
Chemistry (see also <i>Medicinal Chemistry</i> )	BSc [S]	3	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
	BSc [S] (sandwich course)	4	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
	MSci [S] with Professional Studies	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
Chemistry with French or Spanish	MSci [S]	5	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C. • For French option – A-level French grade B or AS-level French grade A. • For Spanish option – A-level Spanish grade B or AS-level Spanish grade A. NB: If the language is studied at a higher level then the grade required at that level must be achieved.	148
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
Chemistry with Study Abroad	MSci [S]	4	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Geography, ICT, Physics, Software Systems Development or Technology and Design or Double Award Applied Science. NB: 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.	150
Civil Engineering	BEng [S]	3	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Geography, ICT, Physics, Software Systems Development or Technology and Design or Double Award Applied Science. NB: 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.	150
	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Geography, ICT, Physics, Software Systems Development or Technology and Design. NB: 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.	150

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Computer Science	BEng [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.	152
	BSc [J with Mathematics]	3	A (Mathematics) BB.	152
	BSc [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.	152
	MEng [S]	4	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.	152
Computing and Information Technology	MEng [S] (sandwich course)	5	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.	152
	MSci [J with Mathematics]	4	AAA including Mathematics OR A* (Mathematics) AB.	152
	BSc [S] (sandwich course)	4	ABB + GCSE Mathematics grade C OR BBB including any computing, mathematical or scientific subject + GCSE Mathematics grade C.	154
Criminology	BA [S/J]	3	ABB.	156



Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Dentistry	BDS [S]	5	AAA + A (AS) including A-level Chemistry plus at least one other A-level from Biology, Mathematics or Physics. If not offered at A-level then Biology grade A as a 4th AS-level or grade B as a 5th AS-level + GCSE Physics grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. NB: A maximum of either one Applied A-level or Applied AS-level will be counted.	158
Drama	BA [S/J]	3	BBB.	160
Economics	BSc (Econ) [S]	3	ABB + GCSE Mathematics grade A.	162
	BSc(Econ) [J with Accounting]	3	ABB + GCSE Mathematics grade B.	162
	BSc(Econ) [M with Finance]	3	ABB + GCSE Mathematics grade B.	162
	BSc (Econ) [M with a language]	3	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. NB: If the language is studied at a higher level then the grade required at that level must be achieved.	162
Education	BEEd	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.	164
Ⓢ Electrical and Electronic Engineering	BEEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Electronics, Further Mathematics, Technology and Design or Double Award Applied Science. NB: 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.	166
	MEEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Electronics, Further Mathematics or Technology and Design. NB: 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.	166
Energy, Environment and Sustainability <sup>4</sup>	FdSc [S]	2	CC + GCSE Mathematics grade C OR CD including Biology, Chemistry, Geography, Mathematics or Physics + GCSE Mathematics grade C.	168

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
English	BA [S/J]	3	ABB including English for Single Honours and Joint Honours with French, History, Irish, Linguistics, Politics and Spanish. BBB including English for other options. NB: For those who have not studied A-level English then AS-level English grade A would be acceptable.	170
English with Creative Writing	BA [S]	3	ABB including English. NB: For those who have not studied A-level English then AS-level English grade A would be acceptable.	172
Ⓢ Environmental and Civil Engineering	MEEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Geography, ICT, Physics, Software Systems Development or Technology and Design. NB: 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.	174
Ⓢ Environmental Management	BSc [S]	3	BBB including at least two from Biology, Geography and Economics + GCSE Mathematics grade C OR ABB + GCSE Mathematics grade C NB: Certain modules will require GCSE Mathematics grade B.	176
European Planning	MPlan [S]	4	ABB + GCSE Mathematics grade C.	178
Film Studies	BA [S/J]	3	BBB.	180
Finance	BSc (Finance) [S] (sandwich course)	4	ABB including Mathematics OR AAB/AAA + GCSE Mathematics grade B.	182
Ⓢ Food Quality, Safety and Nutrition	BSc [S]	3	BBB including Biology and Chemistry + GCSE Mathematics grade C OR ABB including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.	184
	MSci [S]*	4	AAB including Biology and Chemistry + GCSE Mathematics grade C OR AAA including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.	184

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Food Science and Food Security	MSci [S]	4	AAB including Biology and Chemistry + GCSE Mathematics grade C OR AAA including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.	186
French	BA [S/J]	4	ABB including French for Single and Joint Honours options except Joint Honours with Social Anthropology for which the target is BBB including French. NB: For those who have not studied A-level French then AS-level French grade B would be acceptable.	188
French (Beginners)	BA [S/J]	4	ABB + GCSE French grade B or evidence of linguistic ability in another language for Single and Joint Honours options except Joint Honours with Social Anthropology for which the target is BBB + GCSE French grade B or evidence of linguistic ability in another language. NB: The Beginners option is not available to those who have studied AS-level or A-level French.	188
Geography	BSc [S/J]	3	BBB normally including Geography + GCSE Mathematics grade C.	190
Geography with a Language	BSc [S]	4	BBB normally including Geography + GCSE Mathematics grade C. • For French option – A-level French grade B. • For Spanish option – A-level Spanish grade B.	190
History	BA [S/J]	3	ABB for Single Honours and Joint Honours with English, French, International Studies, Irish, Politics and Spanish. BBB for other options.	196
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 grade C and GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.	198

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
International Business with a Modern Language (sandwich course)	BSc (International Business) [S] with a Modern 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. NB: If the language is studied at a higher level then the grade required at that level must be achieved.	200
International Politics and Conflict Studies	BA [S]	3	ABB.	202
International Studies	BA [J]	3	ABB.	202
Irish	BA [S/J]	3	ABB including Irish for Single and Joint Honours options except Joint Honours with Social Anthropology for which the target is BBB including Irish.	204
Law	LLB [S]	3	AAA.	206
Law: Common and Civil Law with French	LLB [S]	4	AAA including French grade A.	206
Law: Common and Civil Law with Hispanic Studies	LLB [S]	4	AAA including Spanish grade A.	206
Law with Politics	LLB [S]	3	AAA.	206
Linguistics	BA [J]	3	ABB including English. NB: For those who have not studied A-level English then AS-level English grade A would be acceptable.	208



Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
⑩ 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 + 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	210
		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 + 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	210
	BSc [S/J]	3	A (Mathematics) BB.	212
	MSci [S/J]	4	AAA including Mathematics OR A* (Mathematics) AB.	212
Mathematics and Statistics and Operational Research	BSc [J]	3	A (Mathematics) BB.	212
	MSci [J]	4	AAA including Mathematics OR A* (Mathematics) AB.	212
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.	212

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Mathematics with Finance	BSc [S]	3	A (Mathematics) AB OR A* (Mathematics) BB.	212
⑩ 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. NB: 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.	216
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics. NB: 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.	216
Mechanical Engineering	FdEng [S] <sup>3</sup>	2	CC including Mathematics and at least one of Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design. NB: 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.	218
Medicinal Chemistry (see also Chemistry)	BSc [S]	3	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
	BSc [S] (sandwich course)	4	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
	MSci [S] with Professional Studies	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C.	148
Medicine	MB, BCh, BAO [S]	5	AAA + A (AS) including A-level Chemistry plus at least one other A-level from Biology, Mathematics or Physics. If not offered at A-level then Biology grade A as a 4th AS-level or grade B as a 5th AS-level + GCSE Physics grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. A maximum of either one Applied A-level or Applied AS-level will be counted.	220

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
@ 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 + GCSE Biology grade C and GCSE 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	224
			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 + GCSE Biology grade C and GCSE 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	
			BCC including a relevant Science (Biology/Human Biology, Chemistry, Mathematics or Physics). OR BBC where a relevant Science subject is not offered. All applicants must normally have a minimum of five GCSEs at grade B (or an equivalent acceptable to the University) to include Mathematics and a Science subject (ie Biology, Chemistry, Physics, Double Award Science or Single Award Science).	
Midwifery Sciences	BSc [S]	3	BBB including 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.	228

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Music Technology and Sonic Arts <sup>2</sup>	BSc [S]	3	BBB including at least one from Computing, ICT (not Applied ICT), Mathematics, Music, Music Technology, Physics or Software Systems Development + GCSE Mathematics grade C and normally GCSE Music grade C. If you are not offering one of these A-level subjects then A-level grades BBB plus Grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable. Grade VI Theory (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) is acceptable in lieu of GCSE Music. NB: Those without a formal qualification in Music may be interviewed. However, you must be able to satisfy the other subject requirements.	230
			BCC including a relevant Science (Biology/Human Biology, Chemistry, Mathematics or Physics) OR BBC where a relevant Science subject is not offered. All applicants must normally have a minimum of five GCSEs at grade C (or an equivalent acceptable to the University) to include Mathematics and a Science subject (ie Biology, Chemistry, Physics, Double Award Science or Single Award Science).	
			BBB including Chemistry and at least at least one from Biology, Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. NB: Biology to at least AS preferred.	
Pharmaceutical Sciences	BSc [S]	3	AAB including Chemistry and at least at least one from Biology, Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. NB: Biology to at least AS preferred.	236
Pharmacy	MPharm [S]	4	AAB including Chemistry and at least at least one from Biology, Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C. NB: Biology to at least AS preferred.	238
Philosophy	BA [S/J]	3	BBB.	240
Physics	BSc [S/J]	3	BBB including Mathematics and Physics.	242
Physics with Extended Studies in Europe	MSci [S/J]	4	AAB including Mathematics and Physics.	242
			BBB including Mathematics and Physics. • For French option – A-level French grade B. • For Spanish option – A-level Spanish grade B.	
			AAB including Mathematics and Physics. • For French option – A-level French grade B. • For Spanish option – A-level Spanish grade B.	



Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Physics with Medical Applications	BSc [S] MSci [S]	3 4	BBB including Mathematics and Physics. AAB including Mathematics and Physics.	242 242
Planning, Environment and Development	BSc [S]	3	BBB + GCSE Mathematics grade C.	246
Politics	BA [S/J]	3	ABB for Single Honours and Joint Honours with English, French, History, International Studies, Irish and Spanish. BBB for other options.	248
Politics, Philosophy and Economics	BA [S]	3	AAA + GCSE Mathematics grade B.	250
Ⓢ 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. NB: applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science CC.	252
	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 BB.	252
Psychology	BSc [S]	3	ABB + GCSE Mathematics grade C.	254
Social Anthropology	BA [J]	3	BBB.	256
Social Policy	BA [J]	3	ABB for Joint Honours with Criminology. BBB for Joint Honours with Sociology.	258
Social Work	BSW [S]	3	ABB + GCSE Mathematics grade C or an equivalent qualification acceptable to the University. Applicants being considered for an offer will be interviewed.	260
Social Work (Relevant Graduate Route)	BSW [S]	2	A minimum of a Lower Second Class Honours degree in a cognate subject. Please refer to degree entry for further information on cognate subjects. All applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University. Applicants being considered for an offer will be interviewed.	260
Sociology	BA [J]	3	ABB for Joint Honours with Criminology. BBB for other Joint Honours options.	262

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Sociology with Quantitative Methods	BSc [S]	3	BBB including Mathematics OR BBC + AS-level Mathematics grade B OR ABB + GCSE Mathematics grade B.	264
Ⓢ Software and Electronic Systems Engineering	BEng [S] MEng [S]	3 4	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Electronics, Further Mathematics, Geography, ICT (not Applied ICT), Physics, Software Systems Development, Technology and Design or Double Award Applied Science. AAB including Mathematics and at least one from Biology, Chemistry, Computing, Electronics, Further Mathematics, Geography, ICT (not Applied ICT), Physics, Software Systems Development or Technology and Design.	266 266
Software Engineering	BEng [S] (sandwich course) MEng [S]	4 4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C. AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.	268 268
	MEng [S] (sandwich course)	5	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.	268
Spanish	BA [S/J]	4	ABB including Spanish for Single and Joint Honours options except Joint Honours with Social Anthropology for which the target is BBB including Spanish. NB: For those who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable.	272

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
Spanish (Beginners)	BA [S/J]	4	ABB + GCSE Spanish grade B or evidence of linguistic ability in another language for Single and Joint Honours options except Joint Honours with Social Anthropology for which the target is BBB + GCSE Spanish grade B or evidence of linguistic ability in another language. NB: The Beginners option is not available to those who have studied AS-level or A-level Spanish.	272
Spanish and Portuguese	BA [S]	4	ABB including Spanish. NB: For those who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable.	270
Spanish and Portuguese (Beginners)	BA [S]	4	ABB + GCSE Spanish grade B or evidence of linguistic ability in another language. NB: The Beginners option is not available to those who have studied AS-level or A-level Spanish.	270
@ Structural Engineering with Architecture	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Geography, ICT, Physics, Software Systems Development or Technology and Design. NB: 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.	274
Theology	BA [J]	3	BBB.	276
	BD [S]	3	BBB.	276
	BTh [S]	3	BBB.	276
	Diploma in Theology	2	BBB.	276
Theoretical Physics	BSc [S]	3	A (Mathematics) BB including Physics.	242
	MSci [S]	4	AAA including Mathematics and Physics OR A* (Mathematics) AB including Physics.	242

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Page
@ 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 + 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	278
	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 + 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. NB: It would be an advantage to have studied Chemistry beyond GCSE level.	278

#### Notes

- ① Placement option is also available. Please note that taking the placement option will add one extra year to the duration of the course.
- <sup>1</sup> First two years based at the College of Agriculture, Food and Rural Enterprise (Greenmount Campus, Antrim). Final year is at Queen's.
- <sup>2</sup> Applicants for courses involving Music or Music Technology and Sonic Arts 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.
- <sup>3</sup> Based at Belfast Metropolitan College. Articulation from the Foundation Degree to an Honours degree at Queen's is possible.
- <sup>4</sup> Based at South West College (Omagh). Articulation from the Foundation Degree to an Honours degree at Queen's is possible.
- \* Subject to Approval



# IRISH LEAVING CERTIFICATE ENTRANCE REQUIREMENTS

At the time of going to print, the Irish Leaving Certificate Requirements reflecting the new grading scale being introduced in September 2017 are under consideration and will be made available in the Course Finder as soon as possible at [www.qub.ac.uk/Study/Course-Finder](http://www.qub.ac.uk/Study/Course-Finder)

## 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 (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.

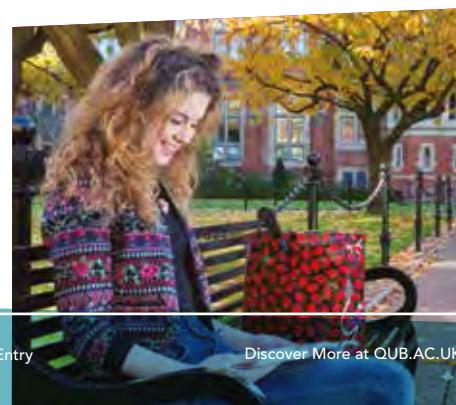
Please note that the Study Skills module will not be counted in fulfilment of entry requirements.

Since the Prospectus is prepared well in advance of the academic year to which it relates, the information stated here and in the online Course Finder 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 required grades will be specified in the offer.

A-level Grades	Access to HE Diploma Grades
AAA	30 Distinctions, 15 Merits
AAB	20 Distinctions, 25 Merits
ABB	15 Distinctions, 30 Merits
BBB	10 Distinctions, 35 Merits



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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 <b>OR</b> 60% average in a non-relevant science course. GCSE Mathematics grade C or equivalent in Access Course.
Environmental Management	65% average. GCSE Mathematics grade C or equivalent in Access Course. <i>NB: Certain modules require GCSE Mathematics grade B or equivalent in the Access Course.</i>
Food Quality, Safety and Nutrition	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	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.
<b>EDUCATION</b>	
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.
<b>ENGINEERING</b>	
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.
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	70% average in any Access Course. GCSE Mathematics grade C or equivalent in Access Course. <b>OR</b> 65% 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).
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).
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.

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Subject	Target Grades and Subject Requirements <sup>1</sup>
<b>HUMANITIES AND SOCIAL SCIENCES <sup>5</sup></b>	
Archaeology	65% 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 English and Linguistics, English and History, and English and Politics. 65% average including an average of 65% in Literature modules for other options.
English with Creative Writing	70% average including an average of 65% in Literature modules.
Film Studies	65% average.
French	Not normally considered as Access Courses would not satisfy language requirements.
History	70% average for Single Honours and Joint Honours English and History, History and International Studies, 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 an average of 65% in Literature modules.
Music – BMus <sup>6</sup>	Certificate in Foundation Studies in Music with an average of 65%.
Music Technology and Sonic Arts - BSc <sup>6</sup>	Certificate in Foundation Studies in Music with an average of 65%. GCSE Mathematics grade C or equivalent in Access Course.
Philosophy	65% average.
Politics	70% average for Single Honours and Joint Honours in English and Politics, History and Politics, and International Studies and Politics. 65% average for other options.
Politics, Philosophy and Economics	75% average. GCSE Mathematics grade B or equivalent in Access Course.
Social Anthropology	65% average.
Social Policy	65% average.
Social Work	70% average. All Access course candidates must have a minimum of a grade C in GCSE Mathematics or the equivalent in the Access course.
Sociology	65% average.
Sociology with Quantitative Methods	70% average. GCSE Mathematics grade B or equivalent in Access Course.
Spanish, Spanish and Portuguese	Not normally considered as Access Courses would not satisfy language requirements.
Theology	65% average.

Subject	Target Grades and Subject Requirements <sup>1</sup>
<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.
<b>MANAGEMENT <sup>5</sup></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 B 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 B or equivalent in Access Course.
Finance	Normally 75% average. GCSE Mathematics grade B or equivalent in Access Course.
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 and Chemistry (Level 3 modules). 70% for all other Access courses (Level 3 units). All Access course candidates must have a minimum of a grade B in GCSE Mathematics and a science subject or the equivalent in the Access course. 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 normally fulfil the requirements. Additional academic criteria may be applied at shortlisting depending on the volume of applications.
Medicine	Not considered.
Nursing	65% where at least half of the overall programme is in Biology and Chemistry (Level 3 modules). 70% for all other Access courses (Level 3 units). All Access course candidates 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.



## Subject

## Target Grades and Subject Requirements <sup>1</sup>

### SCIENCE

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: Biochemistry, Biological Sciences, Marine Biology, Microbiology, Zoology	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.
Biology – Foundation degree: Biological Sciences	65% average. Must be a relevant Access Course sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course.
Chemistry – BSc degrees: Chemistry, Medicinal Chemistry	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.
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: Mathematics, Mathematics and Computer Science, Mathematics and Statistics and Operational Research, Mathematics with Finance	80% average with at least 80% in each Mathematics module. Must be relevant Access Course (eg: Mathematics and Computing).
Pharmaceutical Sciences	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.
Pharmacy	Not considered.
Physics – BSc degrees: Applied Mathematics and Physics, Physics, Physics with Astrophysics, Physics with Medical Applications, Theoretical Physics, Physics and Computer Science, Physics with Financial Mathematics	80% average with at least 80% in each in Mathematics and Physics module and no less than 70% in any module. Must be relevant Access Course with sufficient Mathematics and Physics based content.
Psychology	70% average. GCSE Mathematics grade C or equivalent in Access Course.

### THEOLOGY

Divinity, Theology	65% average.
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### 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 or Music Technology and Sonic Arts 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 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.

*Please note that a maximum of one BTEC Subsidiary Diploma/OCR National Certificate/Cambridge Technical Introductory Diploma 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).*

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

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 Extended Diploma/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 Extended Diploma/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 National Certificate/Cambridge Technical Introductory Diploma, offers will be made in terms of performance in individual units rather than the overall grade awarded. The following table is for guidance:

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

### 2. The Advanced (14–19) Diplomas

Applications from those offering the Diplomas will be welcomed and each will be considered on an individual basis. Specific additional/specialised learning may be required.

### 3. BTEC Higher National Diplomas (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.

#### 4. BTEC Higher National Certificates (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.

(Scottish Highers and Advanced Highers)

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

#### 5. Foundation Degrees

Applicants offering Foundation Degree are considered individually on their merits and academic background. Where offers are made these are for Stage 1 or Stage 2 depending on compatibility and performance.

#### 6. 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 AAAB required. Three Advanced Highers are necessary except where applicants achieved AAAAA in Scottish Highers. In such cases, two Advanced Highers would be acceptable.



#### 7. International Baccalaureate Diploma

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

A-level grades	International Baccalaureate Diploma 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)

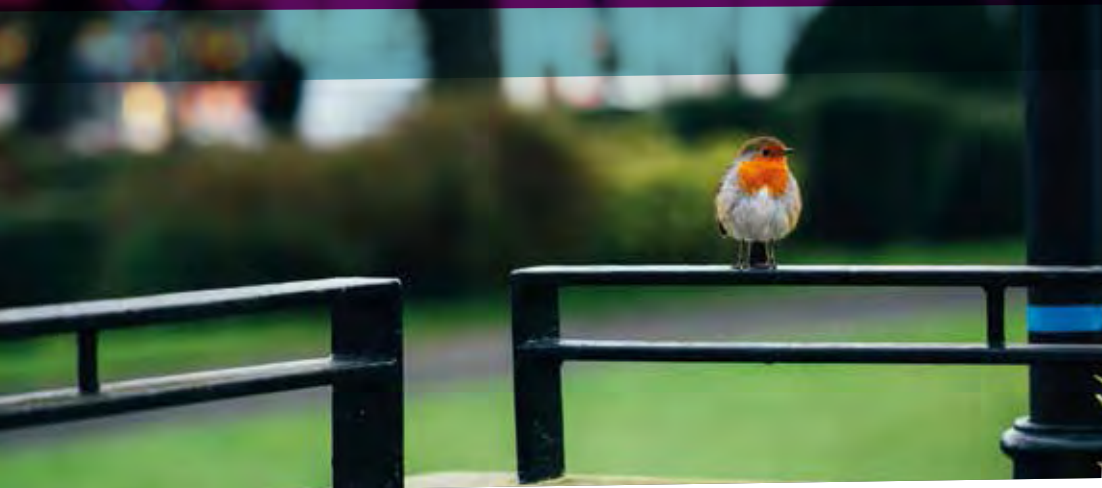
#### 8. Open University Qualifications

Applicants offering Open University qualifications are considered individually on their merits and on the basis of 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.

#### 9. 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.





#### 10. BTEC/OCR qualifications at Level 2

The University will accept a maximum of one Level 2 BTEC Extended Certificate/OCR National Award/Cambridge Technical Extended Certificate or one Level 2 BTEC Diploma/OCR National Certificate/Cambridge Technical Diploma in fulfilment of the General Entrance Requirement or where performance at GCSE level is used in the selection process for individual programmes. Normally a maximum of the equivalent of four GCSEs in acceptable vocational qualifications will be counted where performance at this level is used in the selection process.

#### 11. 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.

#### 12. Cache Diploma in Child Care and Education

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

#### 13. 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 a decision has been taken that 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.

#### 14. National Vocational Qualifications (NVQ)

NVQs are not acceptable on their own 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: [www.ucas.com/apply](http://www.ucas.com/apply)

### When to Apply

UCAS will start processing applications for entry in Autumn 2017 from 1 September 2016.

The normal closing date for the receipt of applications is 15 January 2017, 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 2016.

Currently there are two intakes to Adult Nursing (one in September and the other in February). Those applying for entry in February 2018 should apply prior to 15 January 2017. Applicants are advised 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.

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 backgrounds 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 [www.qub.ac.uk/directorates/sgc/wpu/CareLeavers](http://www.qub.ac.uk/directorates/sgc/wpu/CareLeavers)

## Disability Services

The University is committed to ensuring equal opportunities for all of its students and actively encourages applications from people with disabilities and 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 [www.qub.ac.uk/directorates/sgc/disability/Policies](http://www.qub.ac.uk/directorates/sgc/disability/Policies)

On receipt of an offer from the University, applicants 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.

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,

advice will be obtained by Disability Services from the School, the University's Senior Medical Officer and appropriate disability organisations 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.

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 1 of the University's Student Disability Policy at the link above.

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 normally require evidence of recent academic study at a suitably high level which has led to some positive results. The qualifications most frequently offered by such applicants are Access Courses (see information and table on page 102), 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 the Department for Employment and Learning ([www.delni.gov.uk](http://www.delni.gov.uk)) or from the University's Careers, Employability and Skills service ([www.qub.ac.uk/directorates/sgc/careers](http://www.qub.ac.uk/directorates/sgc/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

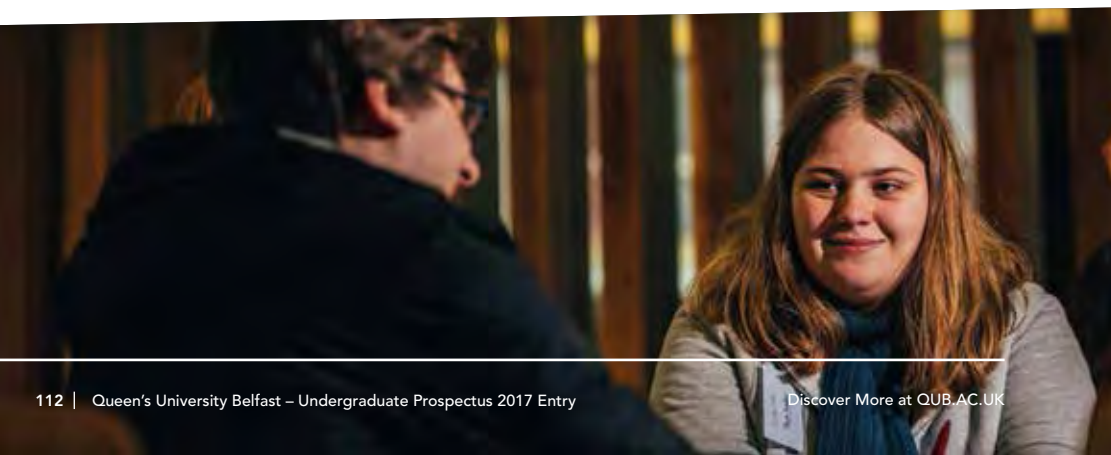
It is the policy of the University to consider applications for admission on their individual merits in the light of all available information. The primary selection criteria are those related to the qualifications, skills, abilities and personal qualities of an applicant. The University will investigate 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 or
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 [www.qub.ac.uk/ado](http://www.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: [www.ucas.com/apply](http://www.ucas.com/apply). Applicants for the Bachelor of Divinity, Bachelor of Theology, Bachelor of Arts (Joint Honours with Theology) or Diploma in Theology are invited to contact the University's Institute of Theology for advice on undergraduate study in Union Theological College. 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 ([www.qub.ac.uk/ithe](http://www.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:

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  
[www.smucb.ac.uk](http://www.smucb.ac.uk)

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

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

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

Applications for Stranmillis University College should be submitted through UCAS ([www.ucas.com/apply](http://www.ucas.com/apply)) in the normal manner while applications for St Mary's University College should be submitted direct to the College.

## 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)  
[www.qub.ac.uk/ado](http://www.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.

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.

## 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:  
[www.qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy](http://www.qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy)

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)).



## 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.

## 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. These details will remain the same for the duration of your University career.

During registration, you must provide documentary proof of your qualifications and photographic identification (passport, driver's licence or European ID card). International students will be required to provide passport and visa information.

All students must agree to conform to the Statutes of the University:

*'We, the students of The Queen's University of Belfast, on admission do hereby promise that we will conform to the Statutes of the University and to all regulations, rules and orders from time to time made by the authorities of the University for the proper conduct of its business and due maintenance of discipline, that we will refrain from words or acts prejudicial thereto or from any conduct or activity which conflicts with the University's policies on Equality and Diversity, and Student Anti-Bullying and Harassment (including harassment on the grounds of age, religious belief, political opinion, race, gender, colour, ethnic origin, sexual orientation or disability), that we will refrain from injury to the property of the University and will endeavour to promote its interests and studies and will not engage in any conduct liable to bring the University into disrepute'.*

Prospective students should be aware of this obligation before deciding to accept the offer of a place.

## Welcome and Orientation

The University has a dedicated team who work on the central welcome and orientation programme for new students. The programme aims to help students settle in quickly to the University. Full details are available from [www.qub.ac.uk/welcome](http://www.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!

## 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)  
[www.qub.ac.uk/ado](http://www.qub.ac.uk/ado)

## Open Days

To get a taste of Queen's, visit our Open Days in September. Activities will include tours of the Elms Village accommodation complex, subject-specific talks and displays and clubs and

societies demonstrations. For more information, please visit [www.qub.ac.uk/opendays](http://www.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
- Queen's Mail: keeping Careers departments up to date with what's happening at Queen's
- information events for parents to offer advice and information about the higher education system



For the most up-to-date information on  
courses, please see our online Course Finder at  
[www.qub.ac.uk/Study/Course-Finder](http://www.qub.ac.uk/Study/Course-Finder)

# A-Z OF DEGREES



BSc Honours  
Accounting 3 yrs (N400)  
Accounting with French 4 yrs (N4R1)  
Accounting with Spanish 4 yrs (N4R4)  
Economics and Accounting (see Economics entry)

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 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)

Contact

**Entrance requirements**  
E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
T: +44 (0)28 9097 3838  
**Course information**  
The Programme Director  
Queen's Management School  
T: +44 (0)28 9097 4200  
E: [accountingatqub@qub.ac.uk](mailto:accountingatqub@qub.ac.uk)  
W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)

The Subject

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

The undergraduate Accounting degrees at Queen's are designed primarily for students who intend to enter the accounting profession and as such contain

considerable practical content, as well as essential theory in the various specialisations of Financial Accounting, Management Accounting, Auditing, Taxation and Finance.

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

**Note:** Accounting with a Modern Language (French/Spanish) students substitute two core language modules each year for those above marked \*.

Economics and Accounting: please see the Economics entry for course content.

Special Features

**Top Ranking:** Accounting and Finance at Queen's University has been ranked third in the UK in the *Sunday Times Good University Guide 2016*.

**Accreditation/Exemptions:** the Accounting degree attracts the maximum exemptions available for any undergraduate degree from the examinations of Chartered Accountants Ireland, 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 Chartered Institute of Public Finance and Accountancy (CIPFA) and the Institute of Chartered Accountants in England and Wales (ICAEW). The other degrees give partial exemptions depending upon the modules taken.

**Employer Links:** the Accounting Group at Queen's liaises closely with employers to offer guest lectures, business games and on-site visits, amongst other activities. Accounting students also take part in tailored employability and skills workshops, developed with the Student Guidance Centre, and an annual Accounting Mini Fair, where representatives from accountancy firms and professional bodies meet students and provide them with information on placement and graduate opportunities.

**Prizes and Awards:** the Accounting Group has developed a close relationship with employers over the years, and as such a significant number of prizes and awards are sponsored by local industry, including: KPMG, BDO, PwC, EY, Deloitte, CIMA, ASM, and Baker Tilly Mooney Moore. The Brian O'Reilly Medal is also awarded on an annual basis.

*"Aside from my degree, I am a high performance athlete, and throughout the year I travel all over the world for different national and international competitions and training camps. Coming to Queen's was an entirely new experience and I had to make some adjustments to make sure I could both study and train. So far it's going well; I was happy with my first-year marks and I'm enjoying my time here."*

Laurence McGivern,  
3rd Year BSc Accounting with French



Careers/Further Study

Excellent career prospects are available for graduates from the Accounting pathways, both in Northern Ireland and further afield.

For the majority of our students, the degree offers a firm base for taking the final exams of the professional accountancy bodies: we offer the maximum exemptions available from the examinations of Chartered Accountants Ireland (subject to meeting specified criteria) and offer extensive exemptions from ACCA, CIMA, CIPFA and ICAEW exams.

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

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.

Graduates choosing different paths take with them skills including an understanding of financial information and the ability to communicate such information effectively to a range of stakeholders, as well as core skills of communication and team working that enable them to adapt to a constantly changing and dynamic business environment.

We work closely with local employers in order to develop our degrees and to enhance the employability of our students; more details of these activities are available on our website.

Further study is also an option open to Accounting graduates, who 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.



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

### 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)

### Contact

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

**Course information**  
The Programme Director  
Queen's Management School  
T: +44 (0)28 9097 4200  
E: [k.toner@qub.ac.uk](mailto:k.toner@qub.ac.uk)  
W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)



### The Subject

The underlying cornerstone of the Actuarial Science and Risk Management degree is the application of financial and statistical theories to help solve real business problems.

The degree combines modules in actuarial modelling, financial reporting, insurance, pensions, economics, finance, mathematics and statistics to develop techniques and skills to assess, evaluate and manage future financial risk and thereby address a wide range of practical problems in long-term financial planning and management.

A lot of actuarial work might be thought of as risk management, which assesses how likely an event may be and the costs associated with that event. This might include investigating how life insurance reserves and future premiums might balance future claims, analysing investment risks, or projecting the financial costs of an epidemic.

### 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  
Introduction to Statistics and Operational Research Methods  
Price Theory  
Principles of Economics

#### Year 2

Actuarial Mathematics 2  
Actuarial Methods in General Insurance  
Behavioural Finance  
Excel and VBA  
Investment Analysis  
Principles of Actuarial Modelling

#### Year 3

Placement Year

#### Year 4

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

### Special Features

**Accreditation:** this degree has been accredited for subjects CT1–CT8 by the Institute and Faculty of Actuaries (level may vary from year to year and from individual exemption at the discretion of the Institute and Faculty of Actuaries).

**Placement:** students undertake a nine-month, minimum-salaried work placement. Placement allows students to develop highly-valued practical skills, as well as gaining exemption from many of the early professional exams, and on successful completion, students are eligible for a Licentiate award (a vocational qualification provided through the City and Guilds of London Institute). Recent placement providers have included Scor, Pramerica, Spence and Partners, Milliman and The Government Actuaries Department (GAD).

**Research-led Teaching:** academics teaching this degree are at the cutting edge of their fields and are actively involved in research.

**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, Buck Consultants, SCOR Global Life, Mercer, Pramerica, Spence and Partners, Acumen Resources, Xafinity Consulting, and Allianz Re Dublin.

*"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



### 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.

Actuaries are highly sought after within both the private and public sectors. The traditional areas in which actuaries are employed include actuarial consultancies, insurance industry, pensions industry, and investment and risk management functions in financial institutions.

Employment prospects for our graduates are excellent – they are well regarded by many employers (local, national and international) with approximately 90–95 per cent finding high-level actuarial employment within several months of graduation. Furthermore, several students are offered full-time positions with their placement provider.

We regularly consult and develop links with many employers including all the major actuarial employers in Northern Ireland and the Republic of Ireland and a selection of employers from mainland Great Britain. We host annual employer liaison meetings 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 NI Actuaries) has facilitated a continuous and seamless engagement between academics, actuarial employers and Queen's students, where they can gain access to the profession.

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.

### 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.

**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:** 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 1.

### 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)

## Contact

### 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  
T: +44 (0)28 9097 4117 | E: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)  
W: [www.qub.ac.uk/mechaero](http://www.qub.ac.uk/mechaero)

## The Subject

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, ranging from commercial aeroplanes and helicopters to spacecraft and Unmanned Aerial Vehicles.

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

## Content

The BEng degree provides a solid foundation in all the basic engineering technologies required by an aerospace engineer in the development of the next generation of aerospace products.

The MEng extends study to in-depth specialist topics, with the aim of producing 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.

## Special Features

**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.

**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 (Vice-President and General Manager, Bombardier Aerospace, Belfast) and Air Commodore David Case (Royal Air Force).

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  
Holywood, Northern Ireland  
MEng Aerospace Engineering Graduate



## 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 one 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.

**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.

**Relevant subjects:** Agricultural Science; Biology; Chemistry; Computer Science; Home Economics; ICT; Mathematics; Physics; Physical Education; Psychology; Technology & Design. Other subjects considered on an individual basis.

## 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

The School Manager

School of Biological Sciences

T: +44 (0)28 9097 5786

E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)

W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

## The Subject

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.

## Content

Applied animal and crop science and production and farm management form the basis of our degrees, thereby enabling students to gain a good grounding in these subject areas.

These degrees have 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. Teaching is provided jointly by the School of Biological Sciences at Queen's 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. Stage 3 is delivered at Queen's in Belfast.

Students take the equivalent of at least six modules in each stage, including any compulsory modules.



## Stage 1

Applied Animal Science  
Applied Crop Science  
Enterprise Technology  
Introduction to Business and Research Methods  
Mechanisation & Farm Buildings

## Stage 2

Agri-Food Business Marketing & Management  
Crop Production Systems  
Livestock Production & Management  
Sustainable Agriculture  
Work Placement

## 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 (Ag Tech)

## Special Features

**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.

**Placement:** students taking the three-year degree are required to complete a 16-week work placement period as an integral component of Stage 2.

Students taking the four-year degree are required to undertake a 46-week period of work experience on completion of Stage 2.

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

These degrees provide the widest possible 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, eg marketing/sales, production and management, technical advice, and research and development in commercial companies.

The applied nature of these degrees also equips graduates for advisory and consultancy roles within government departments and agencies. Industry representatives also 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 bursaries to support students on these degrees.

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, 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.

*"Agriculture is a passion of mine and I felt that this degree offered excellent job prospects. I am really enjoying the course – it's relevant, and interests me, which is a help when it comes to learning. For my work placement I hope to go into the genetics side of farming, as I have a keen interest in this from running a pedigree herd at home. For this I hope to either go to America or New Zealand."*

Robert Patterson, Northern Ireland  
Student, BSc Agricultural Technology



**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: BBB

**BSc Honours**

A-level: BBB + 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)

**Contact****Entrance requirements**E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

**Course information**

School Office

School of Geography, Archaeology and Palaeoecology

T: +44 (0)28 9097 3350/3829

E: [gap@qub.ac.uk](mailto:gap@qub.ac.uk)W: [www.qub.ac.uk/gap](http://www.qub.ac.uk/gap)**The Subject**

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.

**Content**

All students normally take six Level 1 modules. Single Honours students normally take five Archaeology/Palaeoecology 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 their human and environmental past and heritage.

**Level 1 modules**

Ancient Humans and Landscapes  
Barbarians, Vikings and Traders: The Archaeology of Historic Europe  
Environmental Change: Past, Present and Future  
Europe in Prehistory  
Introduction to World Archaeology  
Plus choices from Geography and other Schools

**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 for Single Honours students, and for future employment in Archaeology.

**Level 2 modules**

Archaeological Excavation  
Archaeology and Heritage of Rome (including week-long fieldtrip to Rome)  
From St Patrick to the Plantation: The Archaeology of Historic Ireland  
Ireland in Prehistory  
Landscapes and Geographical Information Systems (GIS)  
Maps and Mappings: From the Stone Age to the Digital Age  
Palaeoenvironmental Techniques  
Thinking Through Things: Theorising Global Archaeology  
Research Design and Practice  
Plus choices from Geography and other Schools

**Level 3 modules**

Colonialism, Capitalism and Conflict: Exploring the Archaeology of the Modern World  
Medieval Settlement  
Merchants, Metals and Miners: From Stone to Steel  
Monuments and Ritual in European Prehistory  
Palaeolithic Pioneers: Adaption & Colonization in Global Perspective  
Society, Death and Disease  
The Archaeology of Human Evolution  
Volcanoes: Environmental and Societal Impacts  
Dissertation (double module)  
Plus choices from Geography and other Schools

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

**Special Features**

**Facilities:** the School boasts the internationally-renowned <sup>14</sup>CHRONO Centre for Radiocarbon Dating, the Centre for Archaeological Fieldwork, departmental collections and laboratories for study of artefacts, bones and other scientific materials and instruments, access to GIS, laser scanning and specialist teaching laboratories.

**Careers/Further Study**

Studying Archaeology 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 of 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, private unit obtains work from, eg 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 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.

*"I thoroughly enjoyed my Archaeology MSci at Queen's. The wide range of skills I learned were instrumental in securing a job, in particular the strong emphasis on report writing, a transferable skill highly valued by employers."*

Joel Goodchild, Newton Aycliffe, England  
MSci Archaeology Graduate (2014), currently  
Trainee Geophysicist at Phase Site Investigations



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 are also required. Applicants are encouraged to appreciate the demands of studying architecture and the combined scientific and creative nature of the subject.

**Note:** 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 in Reading and Writing, or an equivalent acceptable qualification, details of which are available available at: <http://go.qub.ac.uk/EnglishLanguageReqs>

## Contact

### Entrance requirements

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

### Course information

Dr Sarah Lappin  
School of Planning, Architecture and Civil Engineering  
T: +44 (0)28 9097 4006  
E: [s.lappin@qub.ac.uk](mailto:s.lappin@qub.ac.uk)  
W: [www.qub.ac.uk/space](http://www.qub.ac.uk/space)

## The Subject

Queen's University, as part of the Russell Group, is one of the best places to study Architecture in the UK. In 2015, Queen's Architecture was ranked 1st in

the UK for student satisfaction in *The Sunday Times League Table* and ranked 5th out of 45 schools of Architecture in the *Guardian League Table*.

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 Northern Ireland, receive a high degree of personal tuition in a strong studio culture in which every student has dedicated personal studio space.

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.

## 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.

## Special Features

**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 his/her undergraduate studies.



## 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. [www.successthrougharchitecture.com](http://www.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.

*"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



**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)**

See also *Biological Sciences, Marine Biology, Microbiology and Zoology*

### 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.

**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)

### Contact

#### Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

#### Course information

The School Manager, School of Biological Sciences  
 T: +44 (0)28 9097 5786 | E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
 W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

### The Subject

Biochemistry is the molecular basis of life. It applies chemical principles to some of the most exciting problems in the life sciences, 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.

Biochemists investigate the structures, functions and biological roles of molecules involved in metabolism, cell signalling and the transmission of genetic information.

In addition to the BSc Honours, we now offer students the opportunity to study for an MSci Honours degree, which is an integrated, undergraduate Master's degree, aimed at high-achieving students who are considering careers in biochemical research.

### Content

#### Stage 1

Basic Chemistry 1  
 Molecular Basis of Life  
 Structure, Reactivity and Mechanism in Organic and Bioorganic Chemistry  
 The World of Microorganisms

#### Stage 2

Cell Biology 2  
 Experimental Biochemistry  
 Molecular Biology and Bioinformatics  
 Microbes in Action  
 Research Project (MSci Stage 3)  
 Work Placement

Throughout Stages 1 and 2, practical classes in Biochemistry reinforce and complement the theory, providing students with a solid foundation on which to build upon for Stage 3.

BSc students who achieve an average mark of at least 60 per cent at the end of Stage 2 may transfer to the MSci. MSci students may also transfer to the BSc degree at any point in Stages 1 and 2.

**Note:** Biochemistry with Professional Studies students undertake a one-year, degree-related work placement (year out) between Stages 2 and 3.

#### Stage 3

BSc students carry out a two-module research project under the supervision of academic staff based in one of the School's biochemistry research laboratories. In addition, there are four taught modules:

Bacterial Genetics & Genetic Manipulation  
 Biomolecules in Health & Disease  
 Immunology & Virology  
 Industrial Microbiology

#### Stage 4 (MSci only)

Research Project

MSci students take the four modules above and Research Skills, plus one optional module. 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.

### Special Features

**Degree Recognition:** these degrees conform to the Biochemical Society's core curriculum in biochemistry.

**Placement:** students can complete an optional 16-week work placement period as a component of Stage 2. Biochemistry with Professional Studies students, on completion of Stage 2, undertake a 46-week period of work experience. Past students have gained work placement within organisations such as Almac, Warner Chilcott, Randox, Norbrook Laboratories, Altnagelvin Hospital and Belfast City Hospital.

**Research Experience:** the full-time research project in the final year of the MSci offers considerably greater research experience than that offered by most other MSci Biochemistry degree programmes in the UK.



### Careers/Further Study

Studying Biochemistry at Queen's develops the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions – particularly analytical and numerical skills.

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. Approximately one third of our graduates go on to further study before entering specialist employment.

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.

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 School 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.



## BSc Honours

Biological Sciences 3 yrs (C100)

Biological Sciences with Professional Studies 4-yr SW (C104)

MSci Honours *Subject to Approval\**

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 + 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 + 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.

## 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

The School Manager

School of Biological Sciences

T: +44 (0)28 9097 5786

E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

## The Subject

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

## Content

## Stage 1

Biodiversity

Cell Biology 2

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; at this stage students enrolled in the Biological Sciences can move into a specialist biological degree option (Marine Biology, Zoology), or vice versa.

## Stage 2

Animal Behaviour

Animal Biology and Physiology

Ecology and Evolution

Microbes in Action

Work Placement

This stage gives students a good choice of module combinations and ensures that the student retains a breadth of study of living organisms at a number of different levels of organisation.

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.

## Stage 3

Conservation Biology

Immunology and Virology

Industrial Microbiology

Parasitology and Zoonoses

Plant Biology and Rhizosphere Interactions

Research Project

During the final year, students in Biological Sciences take a two-module research project under the supervision of a member of academic staff.

The research project generally involves practical work carried out in the field and/or laboratory.

In addition to subject knowledge, modules aim to develop skills in critical, independent thought and management and decision-making.

The research project is carried out under the supervision of one or more members of the academic staff and generally involves practical work carried out in the field and/or laboratory including at Queen's University Marine Laboratory.

## Stage 4 (MSci only)

Research Project

## Special Features

**Professional Accreditation:** 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:** students have the option of choosing a 16-week (3-yr degree) or year-long work placement (4-yr degree). In previous years, students have gained placements with organisations such as Almac Pharma Services, Norbrook Laboratories, Warner Chilcott, Northern Ireland

## 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.

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.

Completion of the final year research project inspires many of our graduates to progress to postgraduate study, eg Master's (MSc) or Doctorate (PhD), with the goal of pursuing a career as a research scientist or academic. For further study options, please see the School website.

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.

\*Courses advertised 'subject to approval' have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.



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 + 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.

**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 6.0 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)

### Contact

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

**Course information**  
 The School Manager  
 School of Biological Sciences  
 T: +44 (0)28 9097 5786  
 E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
 W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

### The Subject

This programme aims to provide students with knowledge and understanding of scientific methods of enquiry and theoretical principles of biological sciences, including, where appropriate, the application of those principles in an employment context. Completion of the course will allow students to:

- Demonstrate an understanding of the relevance of biological sciences in the current economic environment
- Show an understanding of the hierarchical nature of biological sciences ranging from molecular level to whole organism and species interactions
- Demonstrate competence and dexterity in contemporary biological practical techniques and cognate disciplines
- Demonstrate competence in subject specific key skills, problem solving, and a professional approach to work, study and lifelong learning

### Content

#### Year 1

Basic Chemistry  
 Biochemistry  
 Biology  
 Fundamentals of Science  
 Mathematical and Study Skills in Science

This module combination provides students with a core basis for further study in biological sciences.

All modules are compulsory and will give our students the skills and understanding to approach the Year 2 modules with confidence.

#### Work-based Placement

Between Year 1 and Year 2 there is a compulsory work-based placement of ten weeks duration, which 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.

#### Year 2

Biological Diversity and Evolution  
 Bioscience Practical and Analytical Skills  
 Ecology and Environmental Biology  
 Food Biochemistry  
 Microbiology  
 Molecular Biology and Genetics

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.



### Careers/Further Study

Graduates from the School of Biological Sciences 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.

In addition students find employment in areas outside Science utilising their skill set, developed during their degree.

For further study options, please see the School website.

### Special Features

**Progression:** students who complete all required modules (240 CATS Points) will be awarded the Foundation Degree in Biological Sciences from Queen's University Belfast.

Successful students will have the opportunity/ be eligible to apply for Year 2 (Stage 2) of the BSc (Hons) in Biological Sciences. Students articulating to a degree course at Queen's University must have a minimum mark of 60 per cent in the Foundation Degree.

Students who have successfully completed the Foundation Degree may also have the opportunity to study for a different (Full) Degree at the same or other Institutions. Some students may prefer to take the opportunity of direct entry to employment as a Foundation Degree graduate.

**Professional Recognition:** 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.



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)

### Contact

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

**Course information**  
School of Medicine, Dentistry and Biomedical Sciences  
T: +44 (0)28 9097 2043/2122  
E: [biomedsci@qub.ac.uk](mailto:biomedsci@qub.ac.uk)  
W: [www.qub.ac.uk/schools/mdbs](http://www.qub.ac.uk/schools/mdbs)



### The Subject

Biomedical Science comprises the sciences related to medicine and in particular the 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

### Content

#### Level 1

The Biomedical Science degree at Queen's is based on a foundation knowledge of:

- Genetics
- Integrated Human Anatomy and Physiology
- Mammalian Biochemistry
- Microorganisms
- Molecular Biology

#### Level 2

This theme is continued at Level 2, with:

- An integrated presentation of human disease mechanisms (Pathobiology)
- Specialist knowledge of all the individual disciplines within diagnostic Biomedical Science (Biomedical Science in Practice)
- The core Biomedical Science subjects of Molecular Cell Biology and Molecular Genetics
- A standalone module in Immunobiology, which underpins much of our teaching in human disease as well as modern assay techniques

#### Level 3

The clinical disciplines of Clinical Biochemistry, Bacteriology, Haematology and Histopathology are further developed at Level 3 in conjunction with a double module of individual research in a final year laboratory project.

This degree has been developed to provide our graduates with the key skills to function effectively in diagnostic and research laboratories within the NHS, pharmaceutical industry or academia. Our students demonstrate practical laboratory skills in addition to a deep understanding and ability to communicate their underlying scientific principles.

In addition to the specific degree content, there is an emphasis in our study modules on teamwork and communication skills, problem-solving and IT – skills which should assist graduates in careers beyond those immediately related to medicine.

### Special Features

**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 or management careers in the pharmaceutical industries or academic research.

**Facilities:** the School has excellent research facilities as well as strong links with clinical departments.

**Research-led Teaching:** 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.

**Placement:** 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.



### Careers/Further Study

The degree in Biomedical Science at Queen's 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 or biotechnology industries
- Academic research

Although the majority of graduates in Biomedical Science are 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 open to any discipline.

Many students go into further study after their degree, completing Master's and PhDs and a significant proportion of graduates gain entry to Medical degrees both at Queen's and abroad; see the School website for further information.

*"From picking up a pipette for the first time through to designing and performing my own experiments in my final year Honours Project, studying Biomedical Science at Queen's has given me the confidence and skills to branch out into further study."*

Harriet Moore, Belfast, Northern Ireland  
BSc Biomedical Science Graduate (2014)

BSc Honours  
Business Economics 3 yrs (L110)

See also Economics and Finance

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)

Contact

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

Course information  
The Programme Director  
Queen's Management School  
T: +44 (0)28 9097 4200  
E: [s.smith@qub.ac.uk](mailto:s.smith@qub.ac.uk)  
W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)

The Subject

Business Economics is concerned with the application of economics to decision-making in both public and private sector organisations. It aims to provide the conceptual tools necessary to facilitate an understanding of the economic nature of organisations, the incentive properties of an organisation's internal structures, the nature of its competitive environment and the reasons for the regulatory structures within which organisations function.

Content

The emphasis of this degree is on those aspects of economics that are of most importance in a business setting. Students study both Applied Economics and Economics of Organisations in the first year, along with Accounting, Finance and Management modules. In Years 2 and 3 students also study Applied Economics subjects such as Managerial Economics. This programme is complemented by a range of optional subjects from Management and Finance.

With the flexibility in this degree, students should not only develop good numeracy skills, but also specialisation in quantitative aspects of the subject. Students will take modules in:

Year 1

Accounting for Non-Specialists  
Applied Economics  
Financial Institutions and Markets  
History and Philosophy of Management  
Introduction to Business Economics  
Quantitative Methods

Year 2

Data Analysis and Optimisation  
Macroeconomic Policy and Performance  
Managerial Economics

Plus three electives from:

Financial Decision Making  
Financial Market Theory  
Human Resource Management  
International Business  
Principles of Marketing

Year 3

Students will take one elective from either *International Trade and Development* or *Advanced Business Economics* in the first semester, one elective from either *Public Economics* or *Economic History* in the second semester, two electives from the Management modules below plus two optional modules from either Economics or Management.

Semester 1 optional modules

Business Analysis  
Economic History  
Entrepreneurship  
Labour Economics  
Supply Chain Management

Semester 2 optional modules

Business Ethics  
Business Strategy  
Changing Organisations  
International Trade

Managing Innovation  
Public Economics  
The Economics of Corporate Strategy

Special Features

**Placements:** opportunities exist for students to avail of summer and year-long placements with a variety of organisations including HM Treasury and major consultancy firms. Study USA provides funded opportunities for study at a US university.

Prizes:

**KPMG Prize** is awarded to the graduate with the highest performance in the BSc (Business Economics) degree.

**Shaw Memorial Prizes** are awarded to the two best performing second-year students in the BSc (Business Economics) and the BSc (Economics) degrees.

**UTV Media Prize** is awarded to the best graduate in the BSc (Business Economics) degree.

*"The course is interesting and relevant and the warm and friendly staff are always willing to help! I would definitely put Queen's as your firm choice!"*

Laura Speers  
Donaghadee, Northern Ireland  
3rd Year, BSc Business Economics



Careers/Further Study

This degree prepares students for a variety of careers in the public and private sectors.

Previous 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.

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.

Further study is also an option open to BSc Business Economics graduates, who can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for more information.



## 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.

**BTEC Higher National Diploma:** those with good grades in a relevant Higher National Diploma will be considered individually on their own merits for entry to Stage 2 + 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)

## Contact

## 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  
T: +44 (0)28 9097 1194  
E: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
W: [www.qub.ac.uk/eeecs](http://www.qub.ac.uk/eeecs)

## The Subject

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.

## 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. It is expected that students will gain a City & Guilds Licentiate from this period of work experience.

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 the human factors
- Keep abreast of emerging technologies and their potential for business innovation
- Redesign existing business processes and implement new business initiatives

## Special Features

**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. Even with the recession, 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 undertake research.

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.

*"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 benefits 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



BSc Honours  
Business Management 3 yrs (N201)

See also International Business with a Language

Entrance Requirements

**A-level:** ABB + GCSE Mathematics grade 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)

Contact

**Entrance requirements**  
E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
T: +44 (0)28 9097 3838  
**Course information**  
The Programme Director  
Queen's Management School  
T: +44 (0)28 9097 4200  
E: [nicola.holmes@qub.ac.uk](mailto:nicola.holmes@qub.ac.uk)  
W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)



The Subject

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.

In addition, there are many opportunities for students to be able to develop and enhance a range of skills, including problem-solving and critical thinking, project management, communication skills, both written and oral, numeracy skills and effective use of a range of business analysis tools.

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.

Special Features

**Placement:** the School is an active participant in international exchange programmes and has excellent relationships with local, national and international organisations. An optional placement year is available between Stages 2 and 3.

**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 and Overy, plus the Sir William Crawford Prize. Foundation Scholarships are also available.



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 brand, operations, supply chain and quality, as well as advertising, business development, marketing, market research, export marketing, human resources, recruitment, training and development, new product development, accounting, finance, inward investment, and consultancy.

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.

*"The range of modules and skills I learned from the Business Management course at Queen's coupled with my placement and sporting achievements meant within the first semester of my final year I was able to secure a marketing graduate job with Diageo in Dublin."*

Hannah Todd  
Ballyclare, Northern Ireland  
BSc Business Management Graduate (2014)  
Currently Key Account Executive for Diageo



**BEng Honours**  
**Chemical Engineering 3 yrs (H800)**  
**Chemical Engineering with a Year in Industry**  
**4-yr SW (H804)**

See also Chemistry

### Entrance Requirements

#### BEng

**A-level:** BBB including Mathematics and either a Science subject (Chemistry (preferred), Biology, Computer Science, Geography, ICT (not Applied), Physics or 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.

**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 a Science subject (Chemistry (preferred), Biology, Computer Science, Geography, ICT (not Applied), Physics 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.

**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 Honours**  
**Chemical Engineering 4 yrs (H802)**  
**Chemical Engineering with a Year in Industry**  
**5-yr SW (H805)**

**MEng Honours**  
**Chemical Technology 4 yrs (H881)**

### Contact

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

**Course information**  
 Dr Pamela Walsh  
 School of Chemistry and Chemical Engineering  
 T: +44 (0)28 9097 5570 | E: [pamela.walsh@qub.ac.uk](mailto:pamela.walsh@qub.ac.uk)  
 W: [www.ch.qub.ac.uk](http://www.ch.qub.ac.uk)

### The Subject

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.

### 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.

### MEng/MSci 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. It also reflects the reality of the workplace, where chemists and engineers work together and need to be able to communicate 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. This will determine whether students graduate as MEng (Chemical Engineering) or MSci (Chemistry).



### 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 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.

### Special Features

**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 for 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 Proctor & Gamble.

## 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 Professional Studies 4-yr SW (F103)

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 Professional Studies  
4-yr SW (F15B)

## MSci Honours

Chemical Technology 4 yrs (HH80)

See also Chemical Engineering

## 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) / MSci Chemical TechnologyA-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 CFor French option: A-level French grade B or  
AS-level French grade AFor Spanish option: A-level Spanish grade B or  
AS-level Spanish grade A**Note:** if the language is studied at a higher  
level then the grade required at that level must  
be achieved.**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 6.0 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 4426

## Course information

Professor Paul Stevenson

School of Chemistry and Chemical Engineering

T: +44 (0)28 9097 4414 | E: [scce-recruitment@qub.ac.uk](mailto:scce-recruitment@qub.ac.uk)W: [www.ch.qub.ac.uk](http://www.ch.qub.ac.uk)

## The Subject

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, polymers,  
pest-control agents and catalysts 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 new degree  
in Chemical Technology, covering core elements of  
both chemistry and chemical engineering.

## 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 andphysical 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, 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, to return 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.**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.  
MSci with Professional Studies incorporates an  
industrial placement with a leading UK or European  
company as well as a distance-learning element.

## MEng/MSci 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.  
It also reflects the reality of the workplace, where  
chemists and engineers work together and need to  
be able to communicate 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. This  
will determine whether students graduate as MEng  
(Chemical Engineering) or MSci (Chemistry).

## 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 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.

## Special Features

**Accreditation/Professional Recognition:** the BSc  
degrees are recognised by the Royal Society of  
Chemistry and the Institute of Chemistry in Ireland,  
and the MSci Chemistry is accredited by The Royal  
Society of Chemistry.**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.**Placement:** there may be opportunities for short  
placements and work experience during your  
degree. Past placement employers have included  
pharmaceutical companies such as Almac and  
Warner-Chilcott, Randox (medical diagnostics), and  
Seagate (computer components).



## 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 either a Science subject (Biology, Chemistry, Computing, Design/Technology, Geography, ICT, Physics or Software Systems Development) 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 HND or HETAC Ordinary degree may be granted direct entry to Stage 2.

## MEng

**A-level:** AAB including Mathematics and a Science subject (Biology, Chemistry, Computing, Design/Technology, Geography, ICT, Physics or Software Systems Development).

**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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

Dr V Sivakumar  
School of Planning, Architecture and Civil Engineering  
T: +44 (0)28 9097 4006 | E: [space@qub.ac.uk](mailto:space@qub.ac.uk)  
W: [www.qub.ac.uk/space](http://www.qub.ac.uk/space)

## The Subject

Civil Engineering is concerned with the planning, design, construction, sustainability, management and maintenance of infrastructure. Fields of activity include structures, transportation, foundations and water engineering. Civil engineers require technical skills and are concerned with management and the protection of 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.

## 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 can develop their knowledge in specialist subjects by choice of modules, and are introduced to management and economics within the civil engineering profession.

All students undertake a major individual research project.

Students may opt to study a foreign language during Stage 3 and 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.

There is also the opportunity to take part in a week long European site visit linked to the design topics studied.

## Special Features

## 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 [www.jbm.org.uk](http://www.jbm.org.uk) for further information and details of further learning programmes for CEng.

**MEng Accredited CEng (Full):** accredited as fully satisfying the educational base for a Chartered Engineer (CEng). See [www.jbm.org.uk](http://www.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.

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. It seemed nonsensical to go to university elsewhere when such a well-renowned and established engineering department was right on my doorstep."*

Rebekka McIlwaine, Northern Ireland  
BEng Civil Engineering Graduate (2012)  
Currently a PhD research student at Queen's



BEng Honours Computer Science 4-yr SW (G404)	MEng Honours Computer Science 4 yrs (G402) Computer Science 5-yr SW (G405)
BSc Honours Computer Science 4-yr SW (G400) Mathematics and Computer Science 3 yrs (GG41)	MSci Honours Mathematics and Computer Science 4 yrs (GGK1)
See also Computing and Information Technology and Software Engineering	

Entrance Requirements

**BEng/BSc Single Honours**  
**A-level:**  
BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR  
ABB including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology or Double Award Applied ICT + GCSE Mathematics grade C.  
**BTEC Extended Diploma:** a relevant computing, engineering or scientific BTEC Extended Diploma with 100 credits at Distinction and 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, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology 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 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/ MSci applicants will automatically be considered for admission to the appropriate BEng/BSc if they are not eligible for entry to the MEng/MSci, 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)

Contact

**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  
T: +44 (0)28 9097 4669  
E: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
W: [www.qub.ac.uk/eeecs](http://www.qub.ac.uk/eeecs)

The Subject

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.

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.

Single Honours BEng/BSc students 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, Asidua, Kainos (Belfast), IBM (England), Microsoft, Sun Microsystems (Dublin), Fujitsu (Japan) and Siemens (Germany), and students are assisted in obtaining placements. Modules studied include:

- Stage 1**  
Computer Architecture  
Fundamentals of Programming  
Introduction to the Science of Computing  
Introductory Software Engineering and Project Management  
Programming Challenges  
Reasoning for Problem Solving

- Stage 2**  
Advanced Programming using C# and C++  
Computation Theory  
Data Structures and Algorithms  
Database Systems  
Networks and Communications  
Professional Computing Practice  
Software Engineering and Group Project

- Stage 3**  
Agile and Component-Based Programming  
Artificial Intelligence  
Computer Science Project  
Concurrent Programming  
Design Principles and Patterns  
Formal Methods  
Operating System Concepts  
Research Topics

**MEng (Stage 4)**  
This is a four-year extended degree, established to provide a supply of particularly well-qualified graduates who will become industry leaders. It contains a blend of Computer Science knowledge and skills and business practice and management, as well as skills in conducting state-of-the-art research. Students have the option of a year's professional experience in industry.

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 modules include:



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.

Algorithms: Analysis and Applications  
High Performance Computing  
Innovation and Entrepreneurship  
Plus a research project

Special Features

**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 Asidua, 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 a permanent position on graduation. For further information on these and other scholarships available, see the School website.



## 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:

ABB + GCSE Mathematics grade C  
OR  
BBB including any computing, mathematical or scientific subject + GCSE Mathematics grade C.

## BTEC Extended Diploma:

a non-relevant BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit + GCSE Mathematics grade C

## OR

a relevant computing, engineering or scientific BTEC Extended Diploma with 100 credits at Distinction and 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 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)

## Contact

## 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  
T: +44 (0)28 9097 4669  
E: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk)  
W: [www.qub.ac.uk/eeecs](http://www.qub.ac.uk/eeecs)

## The Subject

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.

Teamworking 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.



## 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:

- Programming
- Computer Architecture (including computer networks)
- Database Systems
- Human-Computer Interaction
- IT Infrastructure Specification and Design
- IT System Administration
- Professionalism
- Web-Based Development

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. Typically students will gain a Licentiate of the City & Guilds from this period of work experience. Students then take their final year modules, including a major project, which pull together many of the individual themes of the degree.

## Special Features

**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, Bank of Ireland, Bank of Scotland 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 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.

*"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 (2010)

BA Single Honours  
Criminology 3 yrs (M900)

BA Joint Honours  
Criminology and Social Policy 3 yrs (ML94)  
Criminology and Sociology 3 yrs (ML93)

See also Social Policy and Sociology

### Entrance Requirements

**A-level:** ABB or equivalent in an Access Course.

**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)

### Contact

#### Entrance requirements

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

#### Course information

Dr Nicola Carr  
School of Sociology, Social Policy and Social Work  
T: +44 (0)28 9097 5965  
E: [n.carr@qub.ac.uk](mailto:n.carr@qub.ac.uk)  
W: [www.qub.ac.uk/soc](http://www.qub.ac.uk/soc)

*"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  
Final Year, BA Single Honours Criminology

### The Subject

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.

### Content

#### Level 1

Students are provided with a comprehensive introduction to Criminology. Students consider the ways in which crime and security shape the world around us. Highlights include study visits to local courts, prisons and shared public spaces.

#### Level 2

Students undertake modules in criminological theory, crime and disorder and crime and society. Level 2 also provides training in research methodology.

#### Level 3

Level 3 offers opportunities for in-depth study in areas such as penal policy, transitional justice, and youth crime. Students also undertake independent research under academic staff supervision.

These degrees provide students with opportunities for visiting criminal justice agencies and studying criminology in one of the most innovative and challenging research environments in Europe. Modules often draw on international comparisons with a strong Irish (North and South) emphasis.

### Special Features

**Prizes:** the highest achieving graduates are awarded the Lockheed Prize annually.

**Research Bursaries:** 15 dissertation bursaries (£250 per student) will be offered on a competitive basis to students undertaking quantitative research. These bursaries are to cover travelling and other minor expenses incurred.

**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.

**Study Abroad:** students can spend time studying in one of our linked universities in Europe; for further information, please contact Dr Veronique Altglas ([v.altglas@qub.ac.uk](mailto:v.altglas@qub.ac.uk)).



### Careers/Further Study

Public and private sector organisations involved in the control of crime continue to expand and the number and variety of career opportunities related to crime control have increased in recent years.

As well as the traditional criminal justice agencies such as the police, probation and prison service, criminology graduates are also to be found working in a range of occupations, including the media, Civil Service, research, teaching, business, and voluntary organisations.

Studying for a Criminology degree at Queen's will assist you in developing core skills and employment-related experiences that are valued by employers. Our Employers' Forum helps us to ensure our students have the employability skills to compete effectively in today's labour market.

The School has a strong and vibrant postgraduate programme, including Master's programmes in Youth Justice and in Social Research Methods, a taught Doctorate in Childhood Studies, PhD programmes and professional training in Social Work.





## BDS

Dental Surgery (Bachelor of) 5 yrs (A200)

## 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.

**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 not offered at AS-level or A-level.

Grade A in the EPQ or Welsh Baccalaureate Advanced Diploma 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 General Studies at both A-level and AS-level 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 in the new 9-1 grading scale) and 3 for an A (grade 7). UKCAT will be scored and used in conjunction with the GCSE 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 for those with a First Class Honours Degree or PhD. Applicants must have an 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 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

## Entrance Requirements (continued)

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 Dental Schools:** applications will only be considered in exceptional circumstances and all normal entry requirements must be satisfied.

## 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)

## Information for all applicants

- Prior to admission all applicants will be required to provide evidence that they are not infected with Hepatitis B. 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.

- 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 practice 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: [www.qub.ac.uk/schools/mdbs/](http://www.qub.ac.uk/schools/mdbs/)

**Please note for 2017 entry the deadline for applications to this degree is 15 October 2016 and arrangements should be made to undertake UKCAT in advance of this.**

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

Professor D Burden, Centre for Dentistry, School of Medicine, Dentistry and Biomedical Sciences  
T: +44 (0)28 9063 6268 | E: [dentistry@qub.ac.uk](mailto:dentistry@qub.ac.uk)  
W: [www.qub.ac.uk/mdbs](http://www.qub.ac.uk/mdbs)

## The Subject

Dentistry at Queen's is regarded as one of the most progressive degrees of its kind in the UK, and has always been recognised for its high teaching standards and our graduates have made a marked impact on national and international dentistry.

## 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.

## Special Features

Dentistry at Queen's has been delivering dental education in Northern Ireland since 1920. It has been situated at its current site since 1965 and underwent significant expansion in 1994. A full refurbishment is underway, ensuring that Queen's dental students have access to the most modern clinical facilities of any UK dental school.

In the National Student Survey, where our final year students give anonymous feedback on the completion of their course, the BDS at Queen's is consistently highly rated, especially for its Teaching and Assessment and Feedback where Queen's dental school was ranked 1st in the UK. Indeed,



## 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. The degree of Bachelor of Dental Surgery is accredited by the General Dental Council.

There is a wide range of career opportunities available in dentistry. Following graduation, our final year students participate in the UK's Dental Foundation Training scheme which allocates them to a training practice in England, Wales or NI. Following completion, dentists can then decide to follow a career as a general dental practitioner or train to become a specialist in a dental discipline. Employers of dental graduates have included Belfast Health and Social Care Trust, Community Dental Service, Queen's University and various dental practices.

across all categories, it maintains a strong position as one of the highest rated dental schools in the UK.

During the course of the degree, some students opt to study for an extra year to achieve an additional Intercolated BSc degree. This may be undertaken at the end of the second or third year and involves an extra year of study (usually taken as a 'year out' from the Dentistry course) and allows students the opportunity to explore an area of particular interest in much greater depth. It involves a deeper exposure to research and research methods and provides invaluable experience.

*"The BDS course at Queen's provides a thorough grounding in the essentials of dentistry and through independent learning encourages students to explore areas of personal interest through summer studentships and intercalated degrees."*

Aoife Nic Iomhair  
Portadown, Northern Ireland  
5th Year Dental student

BA Single Honours  
Drama 3 yrs (W400)

BA Joint Honours  
Drama and English 3 yrs (WQ43)  
Drama and Film Studies 3 yrs (WW46)

Please note that new degree programmes in the areas of Drama and Film Making, Broadcast Production, Music and Sound Design, Music Performance and Production and Audio Engineering will be offered for 2017 entry. Please visit <http://go.qub.ac.uk/ugstudy> for further information.

### 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.

If you plan to study Drama as a Joint Honours degree you should refer to the subject requirements for the other course.

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)

### Contact

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

**Course information**  
Alison Parks, School of Creative Arts  
T: +44 (0)28 9097 5231  
E: [drama.studies@qub.ac.uk](mailto:drama.studies@qub.ac.uk)  
W: [www.qub.ac.uk/soca](http://www.qub.ac.uk/soca)

### The Subject

Queen's Drama boasts exceptional links to the professional theatre industry, a truly international range of reference, and a strong specialism in Irish Theatre. Our undergraduate degree programme combines history, theory and practice in an integrated and multidisciplinary approach to discover why and how theatre works.

### Content

Queen's is not a vocational drama institution, but practice is a key element of our degree programme.

#### Level 1

Beginning at Level 1, workshops and performances enable students to draw upon their reading of literary, cultural, historical and sociological studies to inform their practical understanding of performance.

#### Levels 2 and 3

At Level 2, students enrolled on Single Honours pathways have the opportunity to undertake a variety of production roles before embarking on their own independent projects at Level 3. In the past, students have designed sets, costume and lighting, directed and acted in a variety of projects ranging from classical theatre to contemporary work of all types, and have performed in our theatre, outdoors and in site-specific contexts.

Assessment is by performance, presentation, exams and written coursework.

### Special Features

**Facilities:** our main teaching space, the Brian Friel Theatre, is a fully-equipped, 120-seat theatre. We also boast a rehearsal room/studio theatre and dressing rooms.

**Performance Opportunities:** extra-curricular 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.

**Placements:** students have the opportunity to undertake a work placement in Year 3. This is a significant learning and employability enhancement opportunity.

Past students have gained work placement with organisations such as the Lyric Theatre, Tinderbox Theatre Company, Replay Productions (Northern Ireland's longest established professional Theatre-in-Education company) and the BBC.

*"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 at Queen's

### Careers/Further Study

Undergraduate study in Drama can lead to careers in the theatre and teaching, and significant numbers of our students develop careers in a wide range of other sectors, eg writing for theatre, film and television, broadcasting, directing (artistic/theatre), outreach work, teaching and lecturing.

We have developed close links with a large number of employers including, eg the Lyric Theatre, Tinderbox Theatre and local schools and colleges. Placements are possible in a number of these institutions and others.

Further study is also an option, and this undergraduate degree is excellent preparation for MA study or drama school in most programmes across the UK and abroad; see the School website for further information.





BSc Single Honours  
Economics 3 yrs (L100)

BSc Major Honours  
Economics with Finance 3 yrs (L1N3)  
Economics with French 3 yrs (L1R1)  
Economics with Spanish 3 yrs (L1R4)  
  
BSc Joint Honours  
Economics and Accounting 3 yrs (LN14)

See also Accounting, Business Economics, Finance, Politics, Philosophy and Economics

Entrance Requirements

Single Honours  
A-level: ABB + GCSE Mathematics grade A

Major Honours with a Minor in Finance  
A-level: ABB + GCSE Mathematics grade B

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.

Joint Honours in Economics and Accounting  
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)

Contact

Entrance requirements  
E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

Course information  
The Programme Director  
Queen's Management School  
T: +44 (0)28 9097 4200 | E: [s.smith@qub.ac.uk](mailto:s.smith@qub.ac.uk)  
W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)

**The Subject**

Economics is concerned with how people make choices in conditions of resource scarcity and the results of these choices for society. Many of the world's most pressing issues such as global warming/climate change, underdevelopment, rising inequality, inflation and financial instability

are economic in nature. In understanding these problems, economists make use of a wide variety of analytical techniques borrowed from numerous other fields including history, philosophy, mathematics and statistics.

**Content**

Students may study Economics as a single discipline or in conjunction with another subject such as Accounting, Finance, a Modern Language or another Social Science or Arts subject. Irrespective of programme choice, these degrees provide a thorough grounding in micro- and macroeconomics and equip students with the quantitative skills necessary to support their studies. This develops an understanding of the economic issues confronting our society and provides an insight into possible solutions.

All degrees are based on three years of study, with six modules taken each year – three per semester.

**All BSc (Econ)**

Students will study a broad range of modules including:

Economic History  
Managerial Economics  
Public Economics  
Principles of Economics  
Statistical Methods

**Single Honours Economics**

Students will study more mathematical-based subjects, such as:

Applied Econometrics  
Financial Institutions and Markets

**Economics with Finance**

Students in addition will study financial modules such as:

Capital Markets  
Corporate Finance  
Financial Decision Making  
Financial Market Theory

**Economics with a Modern Language**

Students study a third of their modules each year from the School of Modern Languages.

**Economics and Accounting**

Students study seven Accounting modules:

Accounting Information Systems  
Advanced Financial Accounting  
Advanced Management Accounting  
Financial Accounting  
Introductory Financial Accounting  
Introductory Management Accounting  
Management Accounting

*Plus three Business Law modules:*  
Introduction to Legal Study and Basic Contract Law  
Law of Business Organisations  
Taxation

*Plus three Economics modules:*  
Managerial Economics  
Price Theory  
Principles of Economics

There is one Finance module (Financial Decision Making), with the rest chosen from a variety of specialisations.

**Special Features**

**Exemptions:** Joint Economics and Accounting students are eligible for exemptions from some professional accountancy examinations.

**Placements:** opportunities exist for summer and year-long placements with a variety of organisations including HM Treasury and major consultancy firms. Study USA provides funded opportunities for study at a US university.

**Prizes and Awards:**

**KPMG Prize** for Best Graduate in BSc Economics.

**McKane Medal** for Best Final Honours Student in Economics.

**PwC Prize** for Best Level 1 Student in Economics or Organisations.

**Shaw Memorial Prizes** for the two Best Performing Second-year Students in the BSc Economics and BSc Business Economics degrees.

**Foundation Scholarships** for Best Level 1 and Best Level 2 Students in Economics.



**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. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Some Economics graduates become professional economists, but Economics also provides excellent training for many other career paths. Some of our graduates enter the accountancy profession and some find employment as managers and administrators in areas such as market research, advertising, sales and personnel. Others have been attracted to education, health or government departments.

Almost all of our graduates find employment within six months of graduating.

The BSc (Econ) also provides excellent preparation for graduate studies in Economics and related areas such as Finance. 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.

*"The opportunity to do group projects gave me skills incredibly important for my future employment. Economics at Queen's provided me with a unique perspective, and students are given insights into important research undertaken by our lecturers."*

David Jordan, Belfast  
BSc Economics Graduate  
Current postgraduate student

**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 (see below).

**Contact**

**St Mary's University College**

Academic Registry  
T: +44 (0)28 9032 7320  
E: admissions@smucb.ac.uk  
W: www.smucb.ac.uk

**Stranmillis University College**

Academic Registry  
T: +44 (0)28 9038 4263  
E: registry@stran.ac.uk  
W: www.stran.ac.uk

**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 [www.smucb.ac.uk/admissions](http://www.smucb.ac.uk/admissions))
- Stranmillis – students apply through UCAS (see [www.stran.ac.uk/informationabout/courses/bedteachereducation](http://www.stran.ac.uk/informationabout/courses/bedteachereducation) for the appropriate UCAS code).



**The Subject**

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 training course (PGCE) in the University's School of Education. St Mary's and Stranmillis 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 as a means of matching the output of teachers to the number of vacant posts, however, with the concurrent route 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 in Stranmillis University College. Applications for the BEd degree in St Mary's University College must be made directly to the College, thereby providing additional application options outside UCAS. Information on how to apply is available on the Colleges' websites.

**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 only)

In addition to education theory (Education Studies), students will study all areas of learning in the Northern Ireland Curriculum. 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

**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

**Special Features**

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.



**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 nine specialist options.

**Other undergraduate degrees offered in the University Colleges are:**

**St Mary's:** BA Honours (Liberal Arts)

**Stranmillis:** BA (Early Childhood Studies) and BSc (Health and Leisure Studies)

For further details, consult the relevant University College prospectus.

*"St Mary's is a small college with an enormous sense of community spirit. Supportive and accommodating whenever needed, lecturers and faculty are like family."*

Helen Taggart  
Northern Ireland  
BEd Education student



**BEng Honours**  
**Electrical and Electronic Engineering**  
 3 yrs (H600)  
**Electrical and Electronic Engineering**  
 4-yr SW (H604)

See also *Software and Electronic Systems Engineering*

**MEng Honours**  
**Electrical and Electronic Engineering**  
 4 yrs (H602)  
**Electrical and Electronic Engineering**  
 5-yr SW (H605)

## 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)

## Contact

### Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

### Course information

Professor Roger Woods, School of Electronics,  
 Electrical Engineering and Computer Science  
 T: +44 (0)28 9097 1892 | E: [r.woods@qub.ac.uk](mailto:r.woods@qub.ac.uk)  
 W: [www.qub.ac.uk/eeecs](http://www.qub.ac.uk/eeecs)

## The Subject

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 micro-electronic 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.

## 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

Circuits and Communications  
 Computing for Engineers  
 Design Projects  
 Electrical Engineering  
 Electronics  
 Mathematics

### Stages 2 and 3

A choice of modules is offered, including:

Circuits and Control  
 Connected Health  
 Control Systems Engineering  
 Design Exercises  
 Digital Systems Architecture and Design  
 Electrical Power and Energy  
 Electrical Power Engineering

Electronics  
 Embedded Systems  
 High Frequency System Techniques  
 Networks and Communications Protocols  
 Signals and Communications Systems  
 Signal Processing and Communications  
 Software Engineering

### MEng

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:

Computer Architecture and Organisation  
 High Frequency Technology and Design  
 Intelligent Systems and Control  
 MEMS Devices and Technology  
 Real-time DSP  
 Smart Grids  
 Sustainable Energy Systems  
 Wireless Communications Systems  
 Wireless Sensor Networks

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.

## Special Features

**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, Schrader, Andor Technology, NIE, 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 where our students have visited through this scheme.



## 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 MEng graduates of this degree from Queen's (2013) was 100 per cent (ie percentage employed in a graduate-level job within six months of graduating). 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 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.

**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, 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 (REF 2014).

*"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

FdSc (Foundation Degree)

Energy, Environment and Sustainability (FT/PT) 2 yrs (FT) (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/EnglishLanguageReqs](http://go.qub.ac.uk/EnglishLanguageReqs)

### Contact

**Entrance requirements**  
E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)  
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**Course information**  
The School Manager  
School of Biological Sciences  
T: +44 (0)28 9097 5786  
E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)  
W: [www.swc.ac.uk](http://www.swc.ac.uk)



### The Subject

With the increasing costs associated with fossil fuel, the focus of the energy sector is moving steadily to renewable energy applications.

As well as gaining an understanding of the renewable energy sector, students will 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.

Foundation Degrees (FD) are distinctive in that they integrate employer involvement, accessibility, articulation and progression, flexibility and partnership into a single award.

This 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 Honours Land Use and Environmental Management degree within Queen's and partnership with South West College, Omagh Campus, where the programme is delivered.

The course also develops and improves participants' environmental knowledge and sustainable practices aimed at increasing diversification of economies. Through consideration of up-to-date environmental issues, a focus on economic and social renewal and knowledge transfer from best practice and demonstration models, graduates will be provided with a qualification to benefit business communities, their support workers and the public.

### Content

The land-based sector is currently undergoing rapid change with the decline in importance and profitability of traditional livestock and arable production and the rise in environmental pressures.

Diversification activities and technologies such as application of renewable energy, production of energy crops and industrial or business applications are all new opportunities which are needed to

counteract the effects on the rural community of such a decline in traditional farming and land use.

Business activities in general face the challenges of energy and resource efficiency and requirements to meet increasingly stringent environmental regulations.

This Foundation Degree aims to provide students with the technological and business skills that will increasingly be required to meet these challenges and to support growth of the local economy.

#### 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 Enterprise Planning  
Environmental Science  
Work-Based Learning

### Special Features

**Placement:** 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.

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, and Future Renewables Ltd.



### Careers/Further Study

Studying for an Energy, Environment and Sustainability Foundation 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.

Although the majority of our graduates pursue careers in renewable energy applications and environmental management, significant numbers develop careers in a wide range of other sectors. Major career sectors that have attracted our graduates in recent years include management or environmental consultancies, education, and the Civil Service.

We regularly consult and develop links with a large number of employers including Camphill Communities NI, ReCyCo Ltd, Omagh and Fermanagh District Councils, who are members of the employer liaison panel for the degree.

The Technology Department has unique employer interface through the South West College InnoTech Centre and Centre for Renewable Energy and Sustainable Technologies.

Further study is also an option open to Energy Environment and Sustainability FdSc graduates. Students may articulate to the pre-Honours year of the Land Use and Environment Management degree at Queen's.

*"The Foundation degree allowed me time to think about my future while keeping myself in employment. Flexible enough to allow me to work and study, when I graduate next year I will decide whether to go straight into employment or progress to a full Honours degree in Queen's."*

Louise McGrinder, Belfast, Northern Ireland  
1st Year, FdSc Energy, Environment and Sustainability



BA Single Honours  
English 3 yrs (Q300)

BA Joint Honours  
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)  
English and Irish 3 yrs (QQ53)

English and Linguistics 3 yrs (QQ31)  
English and Philosophy 3 yrs (QV35)  
English and Politics 3 yrs (QL32)  
English and Social Anthropology 3 yrs (QL36)  
English and Sociology 3 yrs (QL33)  
English and Spanish 4 yrs (QR34)  
Theology and English 3 yrs (QV36)

See also English with Creative Writing  
and Linguistics

Entrance Requirements

**A-level:** ABB including A-level English for Single Honours and Joint Honours with French, History, Irish, Linguistics, 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 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)

Contact

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

**Course information**  
School of English  
T: +44 (0)28 9097 3261  
E: [english@qub.ac.uk](mailto:english@qub.ac.uk)  
W: [www.qub.ac.uk/english](http://www.qub.ac.uk/english)



The Subject

English Studies at Queen's brings together a variety of specialist approaches under a single subject heading.

Our literature modules encourage students to look at a writer's works in the context of the historical period, the cultural background, and the literary genres to which these works belong. They also introduce students to critical theories such as feminism, structuralism and post-structuralism, which are now a significant part of literary studies.

Our language modules (also available on the Linguistics pathway) encompass the study of language structure and function, including the day-to-day use of the language and the major influences that have shaped it over the last millennium and a half.

Content

**Stage 1**  
There are six English modules in Stage 1, including English Language and Creative Writing. Joint Honours students take three English modules, whilst Single Honours students take six English modules.

**Stage 2**  
In the second year, students choose from modules in:

Eighteenth-Century and Romantic Literature  
Foundations for Speech Analysis:  
The Phonetics of English  
History of English:  
Studying Language Change  
Introduction to Shakespeare and Renaissance Drama  
Introduction to American Writing  
Irish Literature  
Late Medieval Literature  
Literature and Society, 1850-1930  
Mapping the Anglo-Saxon World  
The English Language:  
Language and Power

**Stage 3**  
In the third year, students choose from a representative range of specialist modules, including:

Broadcasting and Identity  
Broadcasting in a Post-Conflict Society  
Contemporary Indian Literature in English  
Contemporary Irish and Scottish Fiction  
Contemporary Literature: Poetry and Precariousness in the Twenty-First Century  
Contemporary US Crime Fiction  
Digital Textualities and the History of the Book  
Irish Gothic  
Language in the Media  
Literature and Science in the Nineteenth Century  
Shakespeare on Screen  
Literature and the First World War  
Marvels, Monsters and Miracles in Anglo-Saxon England  
Renaissance Performance, Gender, Space  
Representing the Working Class  
Special Topic Irish Writing  
Special Topic Creative Writing  
Speech Worlds: Phonetics and Phonology in Communication  
Stylistics: Bringing Language and Literature Together  
Stevens and Bishop  
Televising the Victorians  
The Structure of English  
Women's Writing 1660-1820  
Writing New York, 1880-1940

*"The course itself was perfect for me. It allows for a combination between language modules and literature modules which I was very interested in because I studied both language and literature at A-level."*

Amy Slack, Bishop Auckland, England  
BA English Graduate (2015)



Careers/Further Study

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 English. Major career sectors that have attracted our graduates in recent years include: publishing, media and performing arts, public relations, advertising, librarianship, fast stream Civil Service, and management consultancy.

Many of our graduates have risen to the top of their fields and include famous figures such as the late Seamus Heaney, Nobel prize-winning poet; Paul Muldoon, academic and poet; Stephen Rea, actor; Helen Madden, writer and actor; Annie Kelly, journalist and writer; and Annie Mac, radio presenter.

We regularly consult with, and develop links with, a variety of employers and a number of internships are available on a competitive basis to Stage 1 students following completion of the Skills module.

For students who wish to study at postgraduate level there is a wide range of Master's programmes as well as a comprehensive list of research topics to choose from; see the School website for further information.

Special Features

English Studies at Queen's represents one of the most diverse areas of study and research in the Humanities, one that already has a worldwide reputation in its specialist fields of interest.

The Seamus Heaney Centre for Poetry, under the auspices of the School of English, is the first Centre of Excellence for poetry in Ireland and its director is Professor Fran Brearton. It provides resources for emerging and established poets, researchers and critics, and serves to link creativity to criticism and academic scholarship, and ensures that the dynamic tradition of poetry at Queen's extends to a wide audience and is of benefit to students, writers, and the community.

BA Single Honours  
English with Creative Writing 3 yrs (Q3W8)

See also English Studies and English and Linguistics

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.  
**All applicants:** the School requires shortlisted applicants to submit a sample of their own creative writing for consideration in February of the year of entry as one of the criteria for admission to the degree.

**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)

Contact

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

**Course information**  
School of English  
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E: [english@qub.ac.uk](mailto:english@qub.ac.uk)  
W: [www.qub.ac.uk/english](http://www.qub.ac.uk/english)



The Subject

English with Creative Writing at Queen's brings together a variety of specialist approaches under a single subject heading. The degree provides an introduction to poetry, prose fiction and scriptwriting, focusing on the rules of successful creative writing through the study and application of a series of set texts to students' own writing.  
Our literature modules encourage students to look at a writer's works in the context of the historical period, the cultural background, and the literary genres to which these works belong. Our language modules encompass the study of language structure and function, including the day-to-day use of the language and the major influences that have shaped it over the last millennium and a half.

Content

**Stage 1**  
There are six English modules in Stage 1, including English Language and Creative Writing.

**Stage 2**  
In second year, students take two of the following three modules:  
Creative Writing (Drama)  
Creative Writing (Poetry)  
Creative Writing (Prose)  
And choose four modules from the following list:  
Eighteenth-Century and Romantic Literature  
Foundations for Speech Analysis:  
    The Phonetics of English  
History of English:  
    Studying Language Change  
Introduction to Shakespeare and Renaissance Drama  
Introduction to American Writing  
Irish Literature  
Late Medieval Literature  
Literature and Society, 1850-1930  
Mapping the Anglo-Saxon World  
The English Language:  
    Language and Power

Stage 3

In third year, students undertake a year-long dissertation in Creative Writing in either Drama, Poetry or Prose. Students also choose four modules from the following representative list of modules:  
Broadcasting and Identity  
Broadcasting in a Post-Conflict Society  
Contemporary Indian Literature in English  
Contemporary Irish and Scottish Fiction  
Contemporary Literature: Poetry and Precariousness in the Twenty-First Century  
Contemporary US Crime Fiction  
Digital Textualities and the History of the Book  
Irish Gothic  
Language in the Media  
Literature and Science in the Nineteenth Century  
Shakespeare on Screen  
Literature and the First World War  
Marvels, Monsters and Miracles in Anglo-Saxon England  
Renaissance Performance, Gender, Space  
Representing the Working Class  
Special Topic Irish Writing  
Special Topic Creative Writing  
Speech Worlds: Phonetics and Phonology in Communication  
Stylistics: Bringing Language and Literature Together  
Stevens and Bishop  
Televising the Victorians  
The Structure of English  
Women's Writing 1660-1820  
Writing New York, 1880-1940

*"The School of 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)



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. Major career sectors that have attracted our graduates in recent years include publishing, media and performing arts, public relations, advertising, librarianship, fast stream Civil Service, and management consultancy.  
Many of our graduates have risen to the top of their fields and include famous figures such as the late Seamus Heaney, Nobel prize-winning poet; Paul Muldoon, academic and poet; Stephen Rea, actor; Helen Madden, writer and actor; Annie Kelly, journalist and writer; and Annie Mac, radio presenter.  
We regularly consult with, and develop links with, a variety of employers and a number of internships are available on a competitive basis to Stage 1 students.  
For students who wish to study at postgraduate level there is a wide range of Master's programmes as well as a comprehensive list of research topics to choose from; see the School website for further information.

Special Features

English Studies at Queen's represents one of the most diverse areas of study and research in the Humanities, one that already has a worldwide reputation in its specialist fields of interest.  
The Seamus Heaney Centre for Poetry, under the auspices of the School of English, is the first Centre of Excellence for poetry in Ireland and its director is Professor Fran Brearton. It provides resources for emerging and established poets, researchers and critics, and serves to link creativity to criticism and academic scholarship, and ensures that the dynamic tradition of poetry at Queen's extends to a wide audience and is of benefit to students, writers, and the community.



## 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 a Science subject (Biology, Chemistry, Computing, Design/Technology, Geography, ICT, Physics or Software Systems Development).

**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 will automatically be considered for admission to the BEng in Civil Engineering if they are not eligible for entry to this MEng, both at initial offer-making stage and when results are received.

**Option to Transfer:** transfers between BEng Civil Engineering and this MEng programme 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

Dr V Sivakumar  
School of Planning, Architecture and Civil Engineering  
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W: [www.qub.ac.uk/space](http://www.qub.ac.uk/space)



## The Subject

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.

## 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.

The School is part of the University's Marine Laboratory at Portaferry, Strangford Lough, which is becoming a World Centre of Excellence for testing marine turbines at prototype and model scale. The turbine pictured (SeaGen), operated by Siemens in Strangford Narrows, is tested together with other devices such as Evopod (OceanFlowEnergy) and Seakite (Minesto). The research team are supporting these activities together with fundamental research on hydrodynamics, interaction and environmental impact.

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 can develop their knowledge in specialist subjects by choice of modules. They 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.

There is also the opportunity to take part in a week long European site visit linked to the design topics studied.

## Special Features

**Accreditation:** this degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng), see [www.jbm.org.uk](http://www.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 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.

## BSc Honours

Environmental Management 3 yrs (F850)

Environmental Management with Professional Studies 4-yr SW (F854)

Formerly Land Use and Environmental Management

See also Energy, Environment and Sustainability

## 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)

## Contact

## Entrance requirements

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

## Course information

The School Manager  
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E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

*"I had always been driven to work in the environmental sector, but was unsure in what way. The modules of this course and my work placement year allowed me to gain insight of the environmental sector and form a greater understanding of my opportunities and ambitions."*

Connor McGimpsey, Belfast, Northern Ireland  
BSc Land Use and Environmental Management  
with Professional Studies Graduate (2011)  
[Predecessor programme]  
Currently Environmental, Health and Safety  
Consultant at Mabbett & Associates Ltd

## The Subject

Given the complex pressures that threaten the natural environment, how can we best manage it?

How can we reduce the impact that organisations have on the environment and design a more sustainable and prosperous society?

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.

This course explores the environmental, economic and social implications of the decisions that we make and the strategies that we use to find sustainable solutions to environmental problems.

It combines aspects of science, geography, environmental planning and management to understand the environmental systems in which we live and work, and how we can improve the way we act within them.

Key features of the course are:

- Develop knowledge, understanding and skills needed to manage environmental problems more sustainably
- Explore the complexities of natural and built environments at local, national and international level
- Investigate the interrelationships between human activities and environmental systems
- Site visits and field work
- An environmental work placement
- Develop analytical, design and systems thinking skills

## Content Subject to Approval\*

## 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  
Geographical Research and Personal Development  
Introduction to Environmental Economics  
Landscapes and Geographical Information Systems

## Optional:

One of the following for the Level 3 programme (both for the 4 year programme)

Planning Theory and Society  
Sustaining the Biosphere

## One of the following:

Work Placement (3-year Degree)  
1-year Professional Studies (4-year Degree)

## Level 3

Business Innovation and Entrepreneurship  
Policies for Environmental Sustainability  
Spaces of Urbanisation in Emerging Economies and Sustainable Development

## One of the following:

Climate Change: Science, Scenarios and Impacts  
Infrastructure and Transportation Planning

## One of the following:

Environmental Management Dissertation  
Geography Dissertation

## Special Features

**Accreditation:** degrees accredited by the Royal Institute of Chartered Surveyors.

**Placement:** 3-year degree students must complete a compulsory 16-week placement during Stage 2.

4-year degree students must complete a 46-week period of work experience at the end of Stage 2.

**Multidisciplinary:** this is a unique interdisciplinary course shared between three Schools – Biological Sciences; Geography, Archaeology and Paleocology; and Planning Architecture and Civil Engineering.

**Interactive Teaching:** the course will include 'Dragons' Den' presentations to external experts in the final year for the module Business Innovation and Entrepreneurship. Planning and Geography modules will host guest lectures from business practitioners. Site visits will be 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.

Past students of the predecessor programme, have found employment in several organisations, including: Farrans Construction; RPS Consulting; Quadra Consulting; Environment Agency; Causeway Coast and Glens Heritage Trust; RSPB; the National Trust; Action Renewables; Business in the Community; and Bombardier. Graduates can become Chartered Surveyors.

Opportunities also exist within the full range of occupations associated with graduate employment.

Further study through research (MPhil/PhD) or taught programmes, including RICS-accredited courses, is also an option; see the School website for further information.

\*Courses advertised 'subject to approval' have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.



## MPlan Honours

European Planning 4 yrs (K490)

See also Environmental Planning

## 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)

## Contact

**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 Planning, Architecture and Civil Engineering  
T: +44 (0)28 9097 4754  
E: [w.flannery@qub.ac.uk](mailto:w.flannery@qub.ac.uk)  
W: [www.qub.ac.uk/space](http://www.qub.ac.uk/space)



## The Subject

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, integrated language training 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.

## 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 and a week-long field study to 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 Turkey, and new partners are always added.

## Stage 1

Contemporary Issues in Urban and Rural Planning  
Design Principles in the Built Environment  
Institutional and Policy Context of Planning Practice  
Introduction to Spatial Planning  
Research Skills  
Spaces, Places and Plans

## Stage 2

Economy and Space  
Planning and Sustainable Development  
Planning Theory and Society  
Site Layout and Design  
Theory and Practice of Development Management  
Theory and Practice of Planning Policy

## Stage 3

Comparative Planning Studies  
European Languages for Planners  
European Planning Perspectives  
Legal Studies in Planning  
Planning Practice Field Study  
Themes in European Planning  
Transportation and Infrastructure

## Stage 4

Advanced European Planning Studies (i)  
Advanced European Planning Studies (ii)  
and  
Independent Research Project in  
European Planning  
or  
Work Placement in European Planning Practice

## Special Features

**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.

**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 of gaining 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 provide participating students with skills that are rarely developed by other planning courses.



## Careers/Further Study

This degree builds on the University's established reputation for high-quality planning education. On past experience of the BSc in Environmental Planning and the MPlan's special features, 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 opens 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 in European Planning

BA Single Honours  
Film Studies 3 yrs (W600)

BA Joint Honours  
Drama and Film Studies 3 yrs (WW46)  
English and Film Studies 3 yrs (QW36)

Please note that new degree programmes in the areas of Drama and Film Making, Broadcast Production, Music and Sound Design, Music Performance and Production and Audio Engineering will be offered for 2017 entry. Please visit <http://go.qub.ac.uk/ugstudy> for further information.

## Entrance Requirements

A-level: BBB

**All applicants:** there are no specific subject requirements to study Film Studies. However, if you plan to study Film 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)

## Contact

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

**Course information**  
Marian Hanna  
School of Creative Arts  
T: +44 (0)28 9097 5364  
E: [film.studies@qub.ac.uk](mailto:film.studies@qub.ac.uk)  
W: <http://www.qub.ac.uk/soca>

## The Subject

Cinema is a major art form, popular in its appeal and radical in its practices. It has transformed our ways of seeing and storytelling, shaping contemporary culture.

It is an area of not only immense interest and pleasure, but also experimentation and innovative critical investigation.

Our Film Studies degrees aim to introduce students to the widest possible experience of the cinema and film culture. The Single Honours degree is characterised by the integration of film production and film scholarship, and all our courses offer a rich, diverse curriculum based in our own film complex on the main campus.

## Content

### Level 1

Level 1 Single Honours students take modules in Digital Film Production and Non-linear Editing.

Both Single and Joint Honours degrees examine key debates in film history, theory and criticism. Level 1 introduces key Film Studies debates and methods in the contexts of North American and European cinemas.

### Level 2

Level 2 Single Honours offers a substantial amount of film practice with specialist modules in:

Cinematography  
Experimental Film Production  
Scriptwriting

Level 2 modules for both Single and Joint Honours degrees explore a range of national and world cinemas as well as central genres and film forms, such as the documentary and the Western. Key movements and historical moments such as French New Wave, New Hollywood and British and Irish cinema are also explored.

### Level 3

At Level 3, Single Honours students build on their earlier production work to develop a creative film project for exhibition. Students can specialise in documentary or fiction film production. Industry placements are also offered as part of the degree.

All students have the opportunity to examine more specialised areas of the field (eg Third Cinema, Experimental Film), and may also complete a supervised dissertation.

## Special Features

**Facilities:** the Single Honours degree uses state-of-the-art digital production facilities; we have both off-line and on-line editing suites, utilising software such as *Avid Media Composer*, *DaVinci Resolve*, *Nuke for VFX Compositing* 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.

Additionally, we are an *Authorised Avid Learning Partner for Pro Tools and Media Composer*, offering certified industry-approved training integrated into the degree.

Module screenings and lectures take place in the specially-equipped Queen's Film Theatre (QFT), which is also a fully-working cinema, playing host to an extensive programme of international art house and independent films. Students also have access to a large collection of feature films at the McClay Library, alongside an extensive collection of books and periodicals in the field.

**Placement:** we maintain strong contacts with the local film and media industries (which have been experiencing significant growth in Belfast) and an industry placement forms an important component of the Single Honours degree.

**Industry Links:** production teaching is regularly carried out by tutors who are actively involved in film and media production, providing invaluable opportunities to learn first-hand from industry professionals.



## Careers/Further Study

With its practical and professional components, Film Studies at Queen's provides an excellent background for work in film, television and the creative industries.

Our graduates have progressed to a range of media-based careers.

Positions obtained by recent graduates include:

- Researcher at BBC NI
- Production Trainee at BBC
- 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

Other popular graduate career routes include education and training, arts administration, public relations, marketing and postgraduate study. For information on the range of postgraduate taught and research programmes on offer, please see the School website.

*"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)





BSc Honours  
Finance 4-yr SW (N300)

See also Accounting, Business Economics, Economics and Finance

### Entrance Requirements

**A-level:**  
ABB including Mathematics  
OR  
AAB/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)

### Contact

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

**Course information**  
The Programme Director  
Queen's Management School  
T: +44 (0)28 9097 4200  
E: [k.toner@qub.ac.uk](mailto:k.toner@qub.ac.uk)  
W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)



### The Subject

Finance is about making investments, with a particular focus on how stock markets, and other financial markets and institutions function. To invest successfully it is necessary to understand how financial assets can be valued, how portfolios should be managed, and how corporations interact with their shareholders, all of which are studied as part of the BSc Finance degree at Queen's.

Integral to the BSc Finance programme is the nine-month placement 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.

### 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  
Mathematics for Finance  
Price Theory  
Principles of Economics  
Statistical Methods

#### Stage 2

Behavioural Finance  
Excel and VBA  
Introductory Econometrics  
Investment Analysis  
Managerial Economics  
Monetary Theory

#### Stage 3

Placement (internship with a financial organisation)

#### Stage 4

Capital Markets  
Corporate Finance  
Financial Econometrics  
Financial Engineering  
Fixed Income Instruments  
International Finance

### Special Features

**Top ranking:** the BSc Finance degree at Queen's is ranked 3rd in *The Sunday Times Good University Guide*, illustrating our position as one of the best finance degrees in the UK. Student satisfaction rates have averaged over 95 per cent for the past three years, the second highest in the UK.

**Placement:** students undertake a work placement during the third year of their degree. Examples of current placements include Goldman Sachs, Morgan Stanley, Bank of England, PwC and Barclays. The placement year provides students with excellent experience and connections, and gives students a competitive edge when seeking graduate employment.

**Professional Recognition:** the BSc Finance at Queen's has been accepted into the Chartered Financial Analysts (CFA) University Recognition Program. This status is granted to universities whose degree programmes incorporate at least 70 per cent of the CFA Program Candidate Body of Knowledge, including the CFA Institute Code of Ethics and Standards of Professional Conduct. Our status as a CFA Program Partner signals to students and the marketplace that our BSc Finance degree curriculum is closely tied to professional practice and helps students when sitting their CFA exams.

**First Derivatives Trading Room:** various classes are taught in the School's dedicated financial trading room (sponsored by First Derivatives and InvestNI), which recreates the excitement of an investment bank trading floor, and provides students with hands-on experience in a dynamic environment. Real-time data feeds and industry-standard software are used to provide the best possible introduction to investment banking IT.

#### Prizes and Awards

*Barclays Prize* for Best Placement Student in BSc Finance; *Morgan Stanley Prize* for Best First Year Student in BSc Finance; *KPMG Prize* for Best Second Year Student in BSc Finance; *Susquehanna International Group Ltd Prize* for Best First Year Student in Mathematics for Finance; *Ulster Bank Prize* for Best Student in Corporate Finance, as well as School prizes and Scholarships.

### Careers/Further Study

The BSc Finance at Queen's offers a unique perspective on finance and investment management. It 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.

Graduates from this degree at Queen's are highly regarded by many employers (local, national and international), and students who successfully complete the Finance degree are well placed to 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.

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.

**Masterclasses:** students are offered exposure to experts from the London financial markets, who share their industry knowledge and offer advice on what it takes to succeed in finance.

*"Knowing how vital relevant work experience is, the placement year was the deal-clincher. The aspect of my course I enjoyed most was the new Trading Room – it's a fantastic facility and the experience is invaluable."*

Rory O'Neill, Belfast, Northern Ireland  
BSc Finance Graduate (2013)



## BSc Honours

Food Quality, Safety and Nutrition 3 yrs (DB6K)

Food Quality, Safety and Nutrition with Professional Studies 4-yr SW (BDK6)

MSci Honours Subject to Approval\*

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

ABB including Biology or Chemistry or Double

Award Applied Science + 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

AAA including Biology or Chemistry or Double

Award Applied Science + 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 grade CC + GCSE Mathematics grade C.

**Note:** MSci applicants will automatically be considered for admission to the MSci 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

The School Manager

School of Biological Sciences

T: +44 (0)28 9097 5786

E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

## The Subject

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.

The degrees emphasise the inter-relationship between these areas and their equal importance in food production.

## Content

We aim to deliver a high-quality learning environment that embeds intellectual curiosity, innovation and best practice in learning, teaching and student support to enable students to achieve their full academic potential, and these degrees have been developed in consultation with employers, industry and academics to offer students a curriculum designed to enhance employability and graduate skills. They combine scientific knowledge with interpersonal, entrepreneurial, innovative thinking and management skills.

The subjects studied 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.

Students must take the equivalent of six modules in each stage, including any compulsory modules.

## 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

## Year out

Professional Studies (4-yr degree)

## Stage 3

Business Innovation and Entrepreneurship

Clinical Nutrition

Food Product Development

Food Supply Chain Safety and Security

Project (FQN)

## Stage 4 (MSci only)

Research Project

## Special Features

**Awards/Prizes:** all students undertake the Chartered Institute of Environmental Health Level 3 Award in Food Safety Supervision for Manufacturing as part of the module in Food Commodities, Processing and Hygiene and are considered for the City & Guilds Licentiate Award from their work placement.

*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 Quality and Safety.

**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)

**Placement:** between Stages 2 and 3 students taking the three-year degree undertake a work placement of at least 16 weeks and students taking the four-year degree undertake a work placement of at least 46 weeks. 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.



## Careers/Further Study

We regularly consult with 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 through 16-week work placements, a number of which have led to employment for the students upon graduation.

Recent graduates have progressed to work in career sectors including Food Industry (graduate recruitment schemes, new product development, technical areas, quality management), Charities (health promotion), Nutrition (assistant hospital dietician), Teaching (PGCE needed), and Research (industry research association, PhD studies). Although the majority of our graduates pursue careers in the food industry or health promotion, some develop careers in a wide range of other sectors.

Further study is also an option – past students have studied a wide range of Master's programmes including Advanced Food Safety, Public Health, Nutrition and Dietetics as well as PGCEs for Home Economics, Food Technology and Chemistry. Some decide to continue their research studies through a PhD programme; see the School website for further information.

*"I chose the course because of its diversity so that I could experience a good range of topics related to food that weren't on offer elsewhere. I thoroughly enjoyed the entire course. Small classes in particular made learning easier."*

Alice Marks, Northern Ireland  
BSc Food Quality, Safety and Nutrition  
Graduate (2013)

\*Courses advertised 'subject to approval' have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.



## 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 Quality, Safety and Nutrition

## Entrance Requirements

## A-level:

AAB including Biology and Chemistry + GCSE Mathematics grade C

OR

AAA including Biology or Chemistry or Double Award Applied Science + 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.

## 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)

## Contact

## Entrance requirements

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

## Course information

The School Manager  
School of Biological Sciences  
T: +44 (0)28 9097 5786  
E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

## The Subject

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.

## 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. Students must take the equivalent of six modules in each stage, including any compulsory modules.

## 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

## Year Out

Professional Studies (5-yr degree)

## Stage 3

Business Innovation and Entrepreneurship  
Food Product Development  
Food Supply Chain Safety and Security  
Global Issues in Agriculture  
Project (FQN)

## Stage 4

Advanced Food Bioanalysis  
Food Safety, Health and Disease

## Special Features

**Placement:** students taking the four-year degree must complete a compulsory, full-time, 16-week work placement period as an integral component of Stage 2 (Easter–September). Students taking the five-year degree must undertake a compulsory 46-week period of work experience, on completion of Stage 2, which includes project work.**Experience:** the degree also offers opportunities for additional laboratory training and experience, for example summer scholarships.**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.**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.

## 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&amp;D, industry, education, and also for PhD study.

The Food Science and Food Security MSci degree programme is entirely new and we anticipate that prospective employers of graduates with Master's-level qualifications will range from multinational corporations, global research institutes, universities and local companies.

The School and the Institute of Global Food Security are well connected both locally and internationally and unique project and employment opportunities arise on a regular basis.

For information on postgraduate options please see the School website.



BA Single Honours

French 4 yrs (R120)

BA Joint Honours

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 Social Anthropology 4 yrs (RL16)

French and Spanish 4 yrs (RR14)

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 French for Single and Joint Honours except Joint Honours with Social Anthropology for which the target is BBB including 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 for Single and Joint Honours except Joint Honours with Social Anthropology for which the target is BBB + 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.

French and Portuguese applicants:

Portuguese is normally offered as a Beginners' programme to students who have demonstrable linguistic ability, but applications from students who have had prior engagement with the language and/or A-level Portuguese at minimum grade B will be considered.

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)

Contact

Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

Course information

French Studies, School of Modern Languages

T: +44 (0)28 9097 5365

E: [french@qub.ac.uk](mailto:french@qub.ac.uk)

W: [www.qub.ac.uk/ml](http://www.qub.ac.uk/ml)

The Subject

French is one of the major languages of global trade and of international relations. It is one of the official languages of the European Union, and is the official or administrative language in over 45 countries or regions worldwide.

At Queen's, French Studies reflects the dynamism and cultural diversity of the French-speaking world today. Students explore a variety of contemporary issues, historical periods and geographical areas through a range of media including art, cinema, linguistics and literature.

Studying French offers an insight into the language and society of metropolitan France and opens up exciting vistas of cultures throughout the world.

Our degrees cater for Beginners and for students with AS-level and A-level French.

The majority of our students follow a Joint French and Spanish degree pathway.

Content

Level 1

First year is designed to enhance students' practical language skills and all students take one core language module.

Students of Beginners' French benefit from an intensive language course designed to bring them to A-level standard within a year. All other students take classes in comprehension, writing, translation and oral skills, which focus on contemporary social and cultural issues.

Most students also take French for Business and Professional Purposes, while Law with French students take Le Français Juridique.

Optional modules explore key issues in the modern French-speaking world: in Introduction to French Studies 1, students study the question of French identity from a variety of literary, artistic and

social perspectives. Introduction to French Studies 2 explores the artistic and cultural diversity of French-speaking countries around the globe.

Levels 2 and 3

Levels 2 and 3 provide the opportunity to enhance the linguistic skills and cultural awareness developed in Level 1.

Core modules at both levels focus on advanced language study and also give students a choice of *filières*, which are taught and assessed in French.

The range of options on offer includes intensive language study for ex-beginners (in Level 2), language for professional purposes (Legal French, Business French), or a variety of historical, cultural, linguistic and literary topics.

Depending on their pathway, students also choose from a range of optional modules, which are designed and taught by internationally-recognised staff and relate to their research interests.

Current optional modules may include:

Caribbean Cultures

French Film Noir

Paris: City of Modernity

Romance and Realism in Media Cultures

The Sociolinguistics of Modern French

Special Features

Study Abroad/Placement:

between Levels 2 and 3 students spend a compulsory period of residence in a French-speaking country. Most students have the possibility of acquiring valuable professional experience in a French-speaking company or school, and take a work-based learning module. Recent students have taught not only in France, but also in the French Caribbean and Canada.

Support:

students run a lively French society, and staff offer support through a personal tutoring system, a skills development programme, and a structured feedback framework, which aim to enable all students to reach their potential.



Careers/Further Study

France remains the UK's largest trading partner and, according to the 2015 CBI Education and Skills Survey, French is the most sought-after foreign language by employers.

A French degree at Queen's will also assist students in developing the core skills and employment-related experiences that are valued by employers, particularly in a global job market where fluency in more than one language, critical thinking, cross-cultural awareness and communication skills are at a premium. Although the majority of our graduates pursue careers in business, banking, education, marketing and translation, significant numbers develop careers in a wide range of other sectors including publishing, public relations and the Civil Service.

We have links with a large number of employers locally and internationally, including Citi and the French Ministry of Education, who provide teaching placements for our students on their year abroad, and our students also benefit from links with our alumni around the world.

Graduates can continue to a Master of Research (MRes) programme which will be tailored to the student's particular interests and will involve a combination of guided study and independent research; see the School website for further information.

*"I was particularly impressed with the focus on providing us with marketable, professional skills, such as summarising complex documents and giving presentations in French. During 3rd year, I participated in the Brussels Study Tour, where I visited various EU institutions and met professionals working at the heart of Europe. It was there that I realised that my language skills have made me an excellent candidate when applying for jobs."*

James Douglas  
BA English and French Graduate (2014)  
Currently Account Executive at  
Four Colman Getty, London



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

**Note:** you should indicate your preferred language in the choices section of your UCAS application.

**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)

Contact

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

**Course information**  
School Office, School of Geography, Archaeology and Palaeoecology  
T: +44 (0)28 9097 3350/3829  
E: [gap@qub.ac.uk](mailto:gap@qub.ac.uk)  
W: [www.qub.ac.uk/gap](http://www.qub.ac.uk/gap)



The Subject

Geography embraces the study of human societies and their environment, and is one of the few subjects in which 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.

Content

Our degrees provide fundamental skills and knowledge while allowing students to tailor their degree according to their interests and ambitions. There are three levels, outlined below.

Level 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, and 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.

Level 2

Single Honours students take core modules that explore contemporary approaches to geographical enquiry and the acquisition and analysis of geographical information.

Students also select options from a range of human or physical geography modules, which include residential field-based modules such as:

Techniques in Earth Science (Iceland)  
Heritage, Culture and Land Use (Malta)  
The Mediterranean: Exploring Dynamic Environments (Mallorca).

Level 3

An element of independent study is required at Level 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 at Work  
Geography, Science and Society  
Glacial and Periglacial Geomorphology  
Sea-Level Change: Past, Present and Future  
Spaces of Urbanisation in Emerging Economies

Special Features

**Study Abroad:** Geography with a Language students spend an extra year of their degree studying Geography in a European university. We also offer other study abroad opportunities in the USA, Canada and Australia.

*"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 (2014)



Careers/Further Study

Studying for a Geography degree at Queen's develops the 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 town and country planning, environmental impact, Land and Property Services and teaching. A significant number develop careers in a wide range of other sectors, eg management, marketing, NGOs, financial services, the Civil Service (especially environment and development agencies), computing (especially using geographic data), and various graduate programmes.

We regularly consult with and develop links with a large number of employers including the NI Environment Agency, the National Trust, and the Geological Survey of NI (GSNI), who provide snapshot advice and in-depth advice sessions on their work. We run a careers seminar programme with employers and further study co-ordinators (teacher training, Master's and PhDs) as guest speakers.

One of our key employer links is via our Level 3 module Geography at Work, a highly vocational module based largely on employer-led projects, which has proven to be of great benefit to students, to the quality of our degree and to employers.

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, and the PSNI.

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.

BSc Honours  
Health and Clinical Studies 2 yrs full time

### Entrance Requirements and How to Apply

Application for admission to this degree is direct to the University and not via UCAS. Please contact the School directly for details on entrance requirements, how to apply and associated information.

### Contact

**Entrance Requirements and Course information**  
Student Support Office  
School of Nursing and Midwifery  
T: +44 (0)28 9097 5714  
E: [nursing@qub.ac.uk](mailto:nursing@qub.ac.uk)  
W: [www.qub.ac.uk/nur](http://www.qub.ac.uk/nur)



### The Subject

The School of Nursing and Midwifery is located within the Faculty of Medicine, Health and Life Sciences, and is uniquely positioned to offer an innovative approach to interprofessional education using the latest technologies in simulated learning for clinical practice.

This programme, designed for registrants needing to top-up their academic profile to degree level, allows students to study in their own field of expertise, deepen their knowledge and at the same time expand their career progression opportunities with direct access to clinical placement opportunities within their clinical specialism.

### Content

This programme is delivered full time over two years and is structured to integrate evidence-based theory with clinical-based practice learning opportunities. It consists of two discrete Parts (1 and 2) that comprise taught modules of study and a clinical practicum. Students must successfully take and pass a total of 120 credit points, including one 20 credit point research module (part 1) and the clinical practice (part 2). With agreement of the Programme Co-ordinator three modules from designated areas of practice (eg Renal Nursing, Intensive Care Nursing) may be used and identified in the final academic award.

The programme provides a range of module options to enable a bespoke pathway of study to meet a student's personal and professional needs. It contains one compulsory research module: Research and Development in Clinical Practice, with students selecting their remaining module options from a wide ranging list that includes specialties such as cancer/oncology, orthopaedics, children's

nursing, mental health, anaesthetics, sexual and reproductive health, infectious diseases, respiratory, renal, tissue viability, urology, ophthalmology, cardiology, palliative and end of life care, etc.

### Special Features

This programme offers students 450 hours of clinical practice education in both urban and rural settings. This is a unique opportunity for interested international health professionals to gain access to NHS clinical settings with the support and mentorship of university and clinical staff. Clinical placements currently take place within our Health and Social Care Trusts partners based throughout Northern Ireland.

The BSc in Health and Clinical Studies will prepare nurses, midwives, and specialist community public health nurses:

- To foster intellectual and personal development through the study of specialist areas of nursing practice and health care provision.
- To enable students to develop a scholarly understanding of the importance of evidence based and cost – effective health and social care.
- To provide opportunities for students to progress academically and professionally and to acquire skills that will improve their employment opportunities.
- To assist students to develop an interest in and enthusiasm for their subject and acquire the skills appropriate to self – directed study and life-long learning.



### Careers/Further Study

This flexible and innovative programme prepares our students to be sought-after practitioners capable of delivering care around the globe. As such we have graduates that are working locally, nationally and internationally at all levels of health care provision including in leadership and management roles. Graduates of the BSc in Health Studies may be eligible to access a range of post graduate study options e.g. MSc Advanced Professional Practice.



*"I really like Belfast: it feels like home and all of the people are so friendly. The course is amazing and supportive and I am sure it will help us when we return to our country. I have already recommended it to two of my colleagues."*

Duaa A, Saudi Arabia  
2015



## BSc Honours

Health Studies 1 yr full time (part time options available)

## Entrance Requirements and How to Apply

Application for admission to this degree is direct to the University and not via UCAS. Please contact the School directly for details on entrance requirements, how to apply and associated information.

## Contact

## Entrance Requirements and Course information

Student Support Office  
School of Nursing and Midwifery  
T: +44 (0)28 9097 5714  
E: nursing@qub.ac.uk  
W: www.qub.ac.uk/nur



## The Subject

The School of Nursing and Midwifery is located within the Faculty of Medicine, Health and Life Sciences, and is uniquely positioned to offer an innovative approach to health care provision within an interprofessional learning context using the latest technologies in simulated teaching to support clinical practice. Changes in health care trends, policies and technologies and the demand for evidence of graduate study has increased the necessity for health professionals to redefine and update their skills-base.

This programme, specifically designed for registrants wishing to update their academic profile to degree level, allows students to study part time in their own field of expertise, deepen their knowledge and expand their career progression opportunities.

## Content

This programme is delivered part time and offers a range of module options to enable a bespoke pathway of study to meet each student's personal and professional needs. Part-time students are normally permitted to study a maximum of three modules in one academic year and a maximum of two modules in any one semester.

The programme contains one compulsory research module: Research and Development in Clinical Practice, with students selecting their remaining module options from a wide ranging list that includes specialties such as cancer/oncology, orthopaedics, children's nursing, mental health, anaesthetics, sexual and reproductive health, infectious diseases, respiratory, renal, tissue viability, urology, ophthalmology, cardiology, palliative and end of life care etc.

## Special Features

The BSc in Health Studies will prepare nurses, midwives, and specialist community public health nurses:

- To foster intellectual and personal development through the study of specialist areas of nursing practice and health care provision.
- To enable students to develop a scholarly understanding of the importance of evidence based and cost – effective health and social care.
- To provide opportunities for students to progress academically and professionally and to acquire skills that will improve their employment opportunities.
- To assist students to develop an interest in and enthusiasm for their subject and acquire the skills appropriate to self – directed study and life – long learning.



## Careers/Further Study

This flexible and innovative programme prepares our students to be sought-after practitioners capable of delivering care around the globe. As such we have graduates that are working locally, nationally and internationally at all levels of health care provision.

Graduates of the BSc in Health Studies may be eligible to access a range of post graduate study options which will enhance their career progression opportunities e.g. MSc Advanced Professional Practice.

*"The University staff were very focused and they wanted us to succeed. Once I qualified I knew I could go anywhere in the world."*

Gerard Casey, Northern Ireland  
2013-14



## BA Single Honours

History 3 yrs (V140)

## BA Joint Honours

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 Social Anthropology 3 yrs (VL16)

History and Sociology 3 yrs (VL13)

History and Spanish 4 yrs (RV41)

Theology and History 3 yrs (VV61)

## Entrance Requirements

**A-level:** ABB for Single Honours and Joint Honours with English, French, International Studies, 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)

## Contact

## Entrance requirements

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

## Course information

School of History and Anthropology  
T: +44 (0)28 9097 5101  
E: [history@qub.ac.uk](mailto:history@qub.ac.uk)  
W: [www.qub.ac.uk/history](http://www.qub.ac.uk/history)



## The Subject

The study of History at Queen's spans the period from early Greece and the later Roman Empire to the early Middle Ages and up to the 20th century.

Students are encouraged to select from a wide range of modules, in geographical as well as chronological terms, with modules on Continental Europe, Africa, Asia and North America, and on European expansion overseas, as well as on Ireland and Great Britain.

Within these areas, there are modules dealing with political developments, religious and economic change, and with social and cultural history, including modules in gender and women's history.

## Content

## Level 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.

## Level 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:

Greece and Macedon 404–337 BC  
Politics and Society in 20th-Century Ireland  
The American South 1865–1980  
The Expansion of Medieval Europe 1000–1300

## Level 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:

Family, Gender and Household in Ireland  
c1740–1840  
Popular Culture in England 1500–1700  
The American Civil War and Reconstruction  
The Peasants' Revolt 1381

In addition, Single and (if they choose) Joint Honours students at Level 3 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.

A variety of assessment methods is used, including written examination, coursework essays submitted during or at the end of the semester, oral presentations by individual students or collaborative groups, and dissertations.

## Special Features

**Top Ranking:** History at Queen's has been placed in the *QS World University Rankings* top 150 History departments in the world for 2014.

**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. The School hosts many research seminars, conferences and lectures, including the annual highlight of the Wiles lecture series.

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



## Careers/Further Study

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.

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 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
- Public relations
- Publishing, media and performing arts
- Teaching
- Voluntary sector/charities

Further study is also an option; information on Master's programmes and research topics is available from the School website.

*"I was delighted to be awarded the Martin Lynn Memorial Prize for first year History at Queen's. The course has enabled me explore and develop many new areas of history and I look forward to continuing my studies."*

Mark Jose  
Sandy, Cambridgeshire, England  
2nd Year, BA Single Honours History



BSc Honours  
Human Biology 3 yrs (B100)

See also Biomedical Science

### 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)

### Contact

#### Entrance requirements

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

#### Course information

Centre for Biomedical Sciences Education  
School of Medicine, Dentistry and Biomedical Sciences  
T: +44 (0)28 9097 2043/2122  
E: [biomedsci@qub.ac.uk](mailto:biomedsci@qub.ac.uk)  
W: [www.qub.ac.uk/schools/mdbs](http://www.qub.ac.uk/schools/mdbs)



### The Subject

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 investigating microorganisms and the role they play in disease, to immunology and the role the human immune system plays in protecting us from these microorganisms. Students also learn about ever-changing subjects such as genetics, evolutionary biology and pharmacology.

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 degree is designed to allow a greater degree of flexibility in the choice of modules, in comparison to the degree in Biomedical Science.

Specialist subject areas which can be studied in detail include Pharmacology, Topographical Anatomy, Exercise and Applied Physiology, Developmental Studies and Science Teaching. Within these subject areas we provide a range of learning experiences.

### Content

#### Level 1

At Level 1 our students receive a solid foundation in the core subjects of:

- Genetics and Molecular Biology
- Human Structure and Function (Anatomy, Microanatomy and Physiology)
- Mammalian Biochemistry
- Microorganisms

#### Levels 2 and 3

At Levels 2 and 3, students have a wide range of module options in, for example:

Haematology  
Human Evolutionary Biology

Immunobiology  
Microscopy  
Neuroscience  
Nutrition  
Pharmacology  
Science Teaching  
Scientific Methods and Statistics

In their final year, each student will complete their own two-module laboratory research project as part of a team within the School.

In addition to the specific degree content, there is an emphasis in our study modules on teamwork and communication skills, as well as problem-solving and IT skills, which should assist graduates in careers beyond those immediately related to medicine.

### Special Features

**Facilities:** the School has excellent research facilities as well as strong links with clinical departments.

**Placement:** 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 and some students have been offered a PhD place in the USA on completion of their degree.

**Research-led Teaching:** our academic staff combine enthusiastic teaching with world-class research in the Biomedical Sciences.

*"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  
Carryduff, Northern Ireland  
2nd Year, BSc Human Biology



### Careers/Further Study

This innovative and diverse degree 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.

It also provides a good foundation for those wishing to pursue a career in biomedical research, and many students go on to further study after their degree, completing Master's and PhDs; see the School website for further information.

A significant proportion of graduates use their Human Biology BSc to gain entry to medical degrees both here and abroad.



## 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)

See also Business Management

## 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.

**All applicants:** there are no specific subjects required to study International Business 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)

## Contact

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

**Course information**  
 The Programme Director  
 Queen's Management School  
 T: +44 (0)28 9097 4200  
 E: [nicola.holmes@qub.ac.uk](mailto:nicola.holmes@qub.ac.uk)  
 W: [www.qub.ac.uk/qums](http://www.qub.ac.uk/qums)

## The Subject

Today, businesses operate in an inherently global marketplace and are increasingly looking to expand beyond national boundaries for continued growth and success. This type of expansion requires a detailed understanding of business theory and practice, knowledge of how and when to adapt market offerings to the diverse needs, wants and demands of international business customers, and an awareness and ability to be sensitive to differences in culture and language.

## 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 Modern 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 the first, second and fourth years of study, students will study two language modules alongside the management-focused subject matter. In Year 3 of the programme, students must successfully complete one management module which is spent on placement in a country where the language being studied is the dominant tongue.

## Stage 1

Students take six compulsory modules, two of which are language focused. The remaining 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 two language modules 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 will again see students take two language modules. Additionally, students will take modules that cover issues such as business ethics and strategic management and will also be afforded the opportunity to conduct a consultancy or business start-up project.

## Special Features

**Placement Year Abroad:** 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.

**Prizes and Awards:** this programme attracts prizes and awards from Randox Laboratories and the Foundation Scholarship.

*"My third-year internship at Citibank Paris gave me the skills and experience I used in my first graduate job with Citibank Belfast, followed by a position at BNP Paribas, Paris. I am now working within Corporate Banking at Citi in, you guessed it, Paris!"*

*For me, this degree was really the best of both worlds – a great university on my doorstep in Belfast, plus a year abroad to gain independence and experience a new culture."*

Aisling Polley  
 Ballynahinch, Northern Ireland  
 BSc International Business with French  
 Graduate (2012)



## Careers/Further Study

The knowledge, expertise, cultural awareness and linguistic ability students acquire on this degree are highly sought after by local, national and international firms, as well as public sector bodies. As trade and commerce is increasingly undertaken on an international stage, the demand for talented graduates with excellent business and language skills will continue to grow.

Those pursuing a career in this area should enjoy working with people and be effective communicators. 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. They must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

This degree offers a firm base from which to secure an excellent graduate position or further academic study.

Career options are extremely varied and the employment opportunities for our graduates remain strong. The first graduates from this degree completed their studies in July 2012 and have already secured a range of graduate positions or undertaken placements in local, national and multinational organisations in the public, private and voluntary sectors in management areas such as brand, operations, supply chain and quality, as well as advertising, business development, marketing, market research, export marketing, human resources, recruitment, training and development, new product development, accounting, finance, inward investment, and management consultancy.

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.



## BA Single Honours

International Politics and Conflict Studies 3 yrs (L253)

See also Politics

## 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)

## Contact

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

**Course information**  
Dr Dan Bulley  
School of Politics, International Studies and Philosophy  
T: +44 (0)28 9097 3165  
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W: [www.qub.ac.uk/pisp](http://www.qub.ac.uk/pisp)



## The Subject

How can we better understand 'power' in an age of international terrorism, unprecedented economic shifts, social and humanitarian crises and environmental catastrophes?

Many of the most important political issues and debates confronting us today are located in the international arena, and the last decade has been a particularly turbulent time, giving rise to many headlines on issues such as regional insurgency, political revolutions, the aftermath of wars in Afghanistan and Iraq, as well as Western decisions over intervention in Libya and Syria.

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.

## Content

## Year 1

Students are introduced to the study of politics, and politics and the media, 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

## 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.

## Special Features

**Centre of Excellence:** the School of Politics, International Studies and Philosophy at Queen's has 33 full-time academics, making it the largest institutional centre for the study of these subjects in Ireland and one of the largest in the UK.

**Placement:** past students have gained work placements with organisations such as the following:

- BBC
- Local Government Staff Commission
- Mencap
- Northern Ireland Electoral Commission
- Northern Ireland Local Government Association
- Northern Ireland political parties
- Office of the Commissioner for Public Appointments
- Police Ombudsman's Office
- The North/South Ministerial Council

**Study Abroad:** all students within this degree programme will have the possibility of opting to study for a semester abroad in their third year 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.



## Careers/Further Study

Studying for an International Politics and Conflict Studies degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers 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 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.

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.

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.

*"When I came to visit Queen's, the facilities, the city and the feel of the place were far above any of the other universities I'd visited. I chose this particular course as it looked interesting, and covered a variety of topics. Belfast itself is a lovely city, with an amazing river walk. I've loved trips to the coast and to the mountains and it really is a beautiful place to live."*

Naomi Armstrong  
North Shields, Tyne and Wear, England  
BA International Politics and Conflict Studies  
Graduate (2014)

## BA Single Honours

Irish 3 yrs (Q504)

## BA Joint Honours

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 Social Anthropology 3 yrs (QL56)

Irish and Spanish 4 yrs (QR54)

## Entrance Requirements

**A-level:** ABB including Irish for Single and Joint Honours except Joint Honours with Social Anthropology for which the target is BBB including Irish.

**All applicants:** if you plan to study Irish 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)

## Contact

## Entrance requirements

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

## Course information

Irish and Celtic Studies  
School of Modern Languages  
T: +44 (0)28 9097 3695  
E: [celtic@qub.ac.uk](mailto:celtic@qub.ac.uk)  
W: [www.qub.ac.uk/ml](http://www.qub.ac.uk/ml)

*"The focus here at Queen's is firmly on equipping students with the language skills needed to prosper in a career in the Irish language sector. We combine innovative teaching methods with a vibrant and modern syllabus to produce graduates ready to make a real contribution to whatever field they wish to enter."*

Professor Gregory Toner  
Head of Irish

## The Subject

The Irish language continues to form an integral part of Irish cultural life as a medium for education, music, literature, drama and television. The language has been spoken for over 2,000 years and boasts a vast early literature of world significance.

The emphasis at Queen's is on modern Irish language and literature as essential elements of contemporary Irish culture and society. Insight into the country's earlier heritage is developed through the study of mythology, poetry, saga and folklore.

## Content

## Level 1

At Level 1, the two language modules are concerned exclusively with core oral and written language skills. Learning is enhanced by small-group teaching and computer-assisted language learning methods. Optional modules include Irish Folklore – in which students study folk story, performance, ritual, belief, festival and worldview, and material culture and lifestyle – and Celtic Mythology, which explores the mythology and religious belief in Ireland and the Continent.

## Levels 2 and 3

The language modules at Levels 2 and 3 not only build on the language skills acquired at Level 1, leading to fluency and proficiency in speech and writing, but also contain strands examining earlier phases of the language, dialects and phonetics.

The other modules at Levels 2 and 3 cover topics including the Irish Short Story, the Irish Poetic Tradition, and Language and Identity.

Students also have the opportunity to learn some Scottish Gaelic, a language and tradition closely related to Irish, and to study Translation and Film in the Irish Language.

At all levels of the degree, teaching and assessment are mainly through the medium of Irish, thus creating a mini-Gaeltacht that supports students' language learning.

## Special Features

**Summer School:** students receive intensive language teaching in each year and attend a staff-led summer school in the Donegal Gaeltacht.

**Support:** staff offer support through a personal tutoring system, skills development programme, and a structured feedback framework, which help students integrate into university life and reach their full potential.

*"The trip to Rann na Feirste is a very important part of the course. I felt it gave me a chance to use the Irish language outside of a classroom atmosphere."*

*It gave me an insight into the real culture and spirit surrounding the Irish language.*

*I picked up a lot of different words and phrases which, in my opinion, can only be learned through a first-hand experience of Gaeltacht life. This gave me great confidence."*

Connla Ó Coinn  
Newry, Northern Ireland  
BA Irish Graduate (2011)



## Careers/Further Study

Studying for a degree in Irish at Queen's 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.

Teaching in Irish-Medium education is a popular option for our graduates, who enter the profession after a postgraduate conversion course (PGCE) in education at Queen's.

Our graduates have also pursued careers in a wide range of sectors, including academic research, translation at home and in the EU, broadcasting and the media, and the Civil Service.

Irish at Queen's has links with a number of employers including the Department of Culture, Arts and Leisure (DCAL), the BBC, Irish Language Broadcast Fund and other media companies. An Gúm, Foras na Gaeilge and other schools and community groups in Belfast provide opportunities for placements for students.

Further study is also an option pursued by graduates, who can continue to a Master of Research (MRes) programme which will be tailored to the student's particular interests and will involve a combination of guided study and independent research; see the School website for further information.

*"Studying Irish at Queen's develops knowledge and understanding of the Irish language in ways you never thought possible! Visits to the Donegal Gaeltacht are a real highlight."*

Úna Ní Bhrádaigh  
Belfast  
BA Irish Graduate (2014)



## LLB Honours

Law 3 yrs (M100)

Law with Politics 3 yrs (M1L2)

Common and Civil Law with French 4 yrs (M2R1)

Common and Civil Law with Hispanic Studies 4 yrs (M2R4)

## Entrance Requirements

## Law

A-level: AAA

## Common and Civil Law with French

A-level: AAA including A-level French grade A

## Common and Civil Law with Hispanic Studies

A-level: AAA including A-level Spanish grade A

## Law with Politics

A-level: AAA

**Note:** applications from those returning to education after a break and those offering qualifications other than A-levels or AS-levels are considered individually on their 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)

## Contact

## Entrance requirements

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T: +44 (0)28 9097 3838

## Course information

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School of Law  
T: +44 (0)28 9097 3858  
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W: [www.law.qub.ac.uk](http://www.law.qub.ac.uk)

*"Studying for a Law degree at Queen's has offered me great experiences that will launch my future career."*

Hannah Niblock, Armagh, Northern Ireland  
Law (MLegSc) Graduate (2013)  
Currently studying for LLM in Law and International Commerce

## The Subject

The primary degree within the School of Law is the LLB (Honours), which takes three years to complete.

In conjunction with the School of Modern Languages, we provide a four-year degree in Common and Civil Law with a European language (French or Spanish), and in conjunction with the School of Politics, International Studies and Philosophy, we also provide a three-year degree in Law with Politics.

## Content

Legal skills are introduced and developed through the pattern of study and assessment for both the three- and four-year degree programmes.



## Law

All modules in the first and second years of the LLB Single Honours degree are compulsory. Third year study comprises a mix of compulsory and optional modules.

## Common and Civil Law with French

Law represents two-thirds of the modules studied and French one third. The emphasis in the French modules will be on the French language and French society, although there is also the opportunity to study French literature. The programme includes a year at a French university.

This four-year degree offers students the chance to study a modern language together with the core Law modules necessary to obtain a recognised Law degree.

## Common and Civil Law with Hispanic Studies

This degree follows a pattern similar to the Common and Civil Law with French LLB, except that Spanish modules will be substituted for French and students will spend a year at a Spanish university.

## Law with Politics

This three-year degree offers students the opportunity of taking two Politics modules each year together with the core Law modules necessary to obtain a recognised Law degree.

## Special Features

**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 pre-requisites for professional legal studies.

**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.

**Study Abroad:** Common and Civil Law with a European language (French or Spanish) students will spend a year at a French or Spanish university.



## Careers/Further Study

Studying for a Law degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers whether local, national or international. 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 Law School at Queen's has a well-established tradition of regular consultation with legal professional bodies and top international law firms.

The following is a list of the major career sectors (and starting salaries) that have attracted our graduates in recent years:

- Management consultancy (£20–30k)
- Corporate banking (£20k)
- Publishing, media and performing arts (£16–25k)
- Fast-stream Civil Service (£24k)

Law graduates also pursue careers in purchasing, export marketing, advertising, law enforcement and public prosecution, and various graduate programmes (Times Top 100 UK Graduate Recruiters/AGR Association of Graduate Recruiters UK).

Further study is also an option open to Law graduates, who can choose to progress to vocational Postgraduate Diploma programmes in Professional Legal Studies (Barrister or Solicitor), or 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.





BSc Honours  
Marine Biology 3 yrs (C160)  
Marine Biology with Professional Studies 4-yr SW (C164)

MSci Honours *Subject to Approval\**  
Marine Biology 4 yrs (C162)\*  
Marine Biology with Professional Studies 5-yr SW (C165)\*

See also Biochemistry, Biological Sciences, 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 + 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 + 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.

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)

Contact

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

**Course information**  
The School Manager  
School of Biological Sciences  
T: +44 (0)28 9097 5786  
E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)  
W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

The Subject

Over 70 per cent of the Earth’s surface is covered by seawater and all known phyla are believed to have originated in the sea or have marine representatives. The world’s oceans influence our weather and climate and provide a large proportion of the resources used by humans. Our Marine Biology degrees span this multidisciplinary field, by linking biology with oceanography to learn how life on Earth affects, and is affected by, marine processes. Areas of marine expertise at Queen’s range from the evolution of marine flora and fauna, invasive species, community ecology and climate change to the migration and foraging ecology of marine vertebrates such as basking sharks and sea turtles.

We are ideally located for the study of marine biology, with close access to diverse habitats, from estuaries and mudflats to rocky shores and the Atlantic Ocean. The Queen’s University Marine Laboratory is our research centre for interdisciplinary marine sciences, located 30 miles from the main campus, in the Strangford Lough Marine Nature Reserve, on a site we share with the Northern Ireland aquarium, *Exploris*. All students take at least one residential field course each year at the Laboratory, and can pursue an independent research project for their Honours thesis in their final year.

Content

Stage 1

Biodiversity  
Molecular Basis of Life  
The World of Microorganisms

This 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.

Stage 2

Animal Behaviour  
Animal Biology and Physiology  
Cell Biology 2 OR  
Cell Biology 1  
Ecology and Evolution  
Work Placement

Stage 3

Conservation Biology  
Future Oceans  
Global Change Biology  
Research Project  
Parasitology

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.

Special Features

**Facilities:** excellent facilities for training and research are provided at the University’s Marine Laboratory in Portaferry, which provides opportunities to gain field experience on in-shore research vessels and a wide range of shoreline and laboratory-based techniques.

**Accreditation:** examples include the Marine Biological Association of the United Kingdom, the Fisheries Society of the British Isles and the Society of Biology.



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. Our graduates are well respected as demonstrated by a recent graduate winning the Island of Ireland 2014 Undergraduate Award in the Life Sciences Category.

Many recent graduates have secured MSc and PhD positions at leading universities in the UK, Republic of Ireland and overseas, whilst others have gained employment in areas such as primary and secondary education, conservation organisations and government environmental agencies. The experience that our graduates 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 them to find employment in a variety of non-biological careers. For information on Master’s programmes and a comprehensive list of research topics, please see the School website.

**Placement:** students can complete an optional 16-week work placement period as a component of Stage 2. Marine Biology with Professional Studies students, on completion of Stage 2, undertake a 46-week period of work experience.

*“The best part about studying Marine Biology at Queen’s was the close connections I made both with other students and with the academic staff. Even though it is a big university and part of the research-leading Russell Group, the lecturers were always very approachable and helpful.”*

Velizara Stoilova, Bulgaria  
BSc Marine Biology Graduate (2011)

\*Courses advertised ‘subject to approval’ have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.

**BSc Honours**  
**Applied Mathematics and Physics\*** 3 yrs (GF13)  
**Mathematics** 3 yrs (G100)  
**Mathematics and Computer Science** 3 yrs (GG41)  
**Mathematics and Statistics & 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 & 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.  
**For Spanish option:** A-level Spanish.

**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.  
**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 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: <http://go.qub.ac.uk/EnglishLanguageReqs>

Contact

**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  
T: +44 (0)28 9097 1900  
E: [mpts@qub.ac.uk](mailto:mpts@qub.ac.uk)  
W: [www.qub.ac.uk/mp](http://www.qub.ac.uk/mp)

The Subject

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 there are two types of degree available 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.

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.

Applied Mathematics and Physics and Theoretical 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.

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.

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.

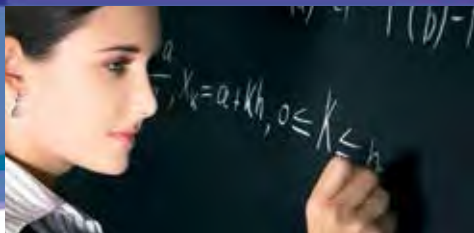
The first year, and a sizable fraction of the second year, of the studies is devoted to core mathematics knowledge. During the second, third and (for MSci, students) fourth year, students can choose from a wide range of optional modules. BSc students will carry out an investigation in their third year 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.

continued

*“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)





Level 1

In the first year of study, most Mathematics students choose to take the six modules on offer within Mathematics:

- Introduction to Calculus and Analysis
- Introduction to Statistics and Operational Research
- Mathematical Modelling
- Mathematical Reasoning
- Methods of Statistics and Operation 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 mathematical 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 does not form part of the core.

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
- Linear and Dynamic Programming
- Mathematical Investigations
- Mathematical Modeling 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

Student 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.

Level 4

The Level 4 modules open to MSci. students offer students 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. The main choice of modules includes:

- 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
- Processing
- Pure Mathematics Project
- Rings and Modules
- Statistical Mechanics
- Survival Analysis
- Topology

*"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

*"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

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.

Special Features

**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 either place more emphasis on experimental work, or place more emphasis on theoretical understanding.

An exciting development is the new School Teaching Centre for Mathematics and Physics, which will open in September 2016, and will provide a home for undergraduate students within the School.

Fully integrated joint degrees in Applied Mathematics and Physics are also offered.

### BEng Honours

**Mechanical Engineering 3 yrs (H300)**

**Mechanical Engineering 4-yr SW (H304)**

### MEng Honours

**Mechanical Engineering 4 yrs (H303)**

**Mechanical Engineering 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:** 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 1.

### 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)

## Contact

### 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

T: +44 (0)28 9097 4117 | E: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)

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

## The Subject

Mechanical Engineering is most 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, and its graduates have some of the most challenging, rewarding and diverse career opportunities of any discipline. These range from designing the latest road vehicles and developing new sustainable forms of materials, through to the search for alternative energy sources and the exploitation of nanotechnology.

## Content

### Stage 1

Students are introduced to core mechanical engineering principles and mathematics, and they undertake a team-based project, designed to introduce them to the concept of professional engineering practice. This is supported through modules in engineering design, electrical engineering and a dedicated laboratory programme. BEng students who perform well during Stage 1 may be invited to transfer to the MEng in Stage 2.

### Stage 2

Stage 2 builds on the knowledge already gained with a series of more advanced engineering science subjects including dynamics, thermodynamics, fluid mechanics and strength of materials.

Mathematics and computing focus more on their application to engineering than basic theory, while modules in manufacturing technology and engineering design 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.

## Stage 3

Optional themes in 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 chosen theme modules, and also complete a major individual project, which puts their engineering skills into practice in solving a technological problem.

MEng students expand their engineering knowledge through a range of core modules in engineering science and professional studies along with chosen theme 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 modules in their chosen themes, and in advanced core skills and 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 current research interests.



## Careers/Further Study

The versatility of Mechanical Engineering graduates makes them well suited for a wide range of future 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 is also an option – students 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.

## Special Features

**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.



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, Design/Technology or Further Mathematics.

**BTEC Extended Diploma (180 credits):** in 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 grades CC in Double Award Science.

**Relevant Access Course:** with an average mark of at least 55%, including passes in Mathematics and relevant Science units (Level 3).

Applicants with other qualifications, eg BTEC Diploma (12 units), a HNC or AVCEs, will be considered on their individual merits.

Those with industrial experience returning to education after a break may be considered, subject to Recognition of Prior Learning 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)

### Contact

**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  
 T: +44 (0)28 9097 4117  
 E: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)  
 W: [www.qub.ac.uk/mechaero](http://www.qub.ac.uk/mechaero)

### The Subject

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.

Successful students can either enter at Stage 2 of the BEng Honours degree in Mechanical Engineering, Aerospace Engineering or Product Design Engineering at Queen's where they can graduate with an Honours degree after a further two years of study, or they can progress into full-time employment in the design or mechanical/manufacturing industry.



### 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 are 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.

### Special Features

**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.

### 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 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.



## 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. Interviews will take place between December 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.

**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 not offered at AS-level or A-level.

Grade A in the EPQ or Welsh Baccalaureate Advanced Diploma 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 General Studies at both A-level and AS-level 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). 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 for those with a First Class Honours degree or PhD. Averaging out to these grades is not permitted. Applicants must have an appropriate science background

## Entrance Requirements (continued)

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 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 all normal entry requirements must be satisfied.

## International Qualifications

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 from: [www.qub.ac.uk/home/International/International-students/Your-Country](http://www.qub.ac.uk/home/International/International-students/Your-Country).

## 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

## Entrance Requirements (continued)

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.

- 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 <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 [www.qub.ac.uk/schools/mdbs/](http://www.qub.ac.uk/schools/mdbs/)

**Please note for 2017 entry the deadline for applications to this degree is 15 October 2016 and arrangements should be made to undertake UKCAT in advance of this.**



## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

School of Medicine, Dentistry and Biomedical Sciences

T: +44 (0)28 9097 2676

E: [medicaled@qub.ac.uk](mailto:medicaled@qub.ac.uk)

W: [www.qub.ac.uk/mdbs](http://www.qub.ac.uk/mdbs)

## The Subject

Queen's is an exciting place in which to study Medicine. Belfast is a vibrant city. Our students study at a number of hospitals and general practices throughout Northern Ireland from first year onwards.

There are close bonds between the School and the Northern Ireland community and patients take an active interest in medical education through our 'Patients as Partners' programme.

## Content

## The Medical Degree

The Queen's medical graduate is a caring and compassionate doctor who is a critical thinker, problem solver and reflective practitioner with excellent clinical skills who values, above all else, service to patients.

On completion, the degrees of MB BCh BAO are awarded, where MB is Bachelor of Medicine, BCh is Bachelor of Surgery and BAO is Bachelor in the Art of Obstetrics.

The degree, which extends over five years, is integrated, systems-based and student-centred. The scientific background to medicine is taught alongside clinical medicine.

The focus throughout our degree programme is on learning rather than teaching, and there is a strong emphasis on clinical skills with teaching in hospitals from as early as the second semester of first year. Clinical teaching increases in the third, fourth and final years of the course.

continued





*"The study environment is fantastic, and the students are great at balancing hard work with a healthy social life. There is a strong music and arts scene in Belfast too, which allows for plenty of social diversity. My favourite aspect of Medicine is its diversity. Every day as students we encounter something new and interesting, and that freshness makes it very enjoyable."*

*The Medicine course at Queen's trains students in a wide variety of disciplines. Frequent presentation assignments, research papers and examinations really exercise every facet of thought processing and analysis. Anatomy practicals develop teamwork and communication and the long study hours promote effective time management."*

Charles McKay, California, USA  
Medicine Graduate (2013)

As well as early clinical contact with patients there is a dedicated Clinical Skills Education Centre. It provides both clinical skills training, revision and assessment and is used extensively by students. In addition, students have access to high fidelity simulation. A strong emphasis on bedside teaching and clinical skills underpin this, with learning materials delivered using the latest technologies.

In the early stages of the course, students have several opportunities to explore areas of personal interest for in-depth study through 'Student Selected Components' (SSCs).

Modules include SSCs based in the community and clinical and research environment.

### 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.

### Years 4 and 5

During the fourth and fifth years you gain further experience in a range of surgical and medical disciplines. Training in a range of specialties offers an opportunity for you to consolidate and advance your clinical skills and enhance your clinical and related knowledge.

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.

### 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.

### Special Features

**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.

Additionally the University has invested more than £90m in research infrastructure, buildings, equipment and facilities on the Health Sciences Campus.

**Study Abroad:** students undertake an Overseas Elective at the start of Year 5, giving them the opportunity to travel abroad to work in a different medical environment. Students often choose destinations in Australia, India, the USA, and several countries in Africa and Indonesia.

**150 Years of Innovation and Excellence:** As a Medical student at Queen's, you will be part of a long continuum of distinguished Medicine graduates who have contributed to developments in medicine and improved the health of generations of people across the world for more than 150 years.

**Alumni:** 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.

**Clubs and Societies:** there are several medical-based societies at Queen's, including BMSA, Scrubs, Medsin and SWOT. In addition, the University has over 190 clubs and societies run by students, offering the opportunity to participate in a wide variety of sports and activities.

*"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  
3rd Year Medicine



### Careers/Further Study

On obtaining the MB BCH BAO degrees you are eligible to apply for provisional registration with the General Medical Council and may apply for a post as a Foundation Programme trainee.

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: [www.gmc-uk.org](http://www.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.



## BSc Honours

Microbiology 3 yrs (C500)

Microbiology with Professional Studies 4-yr SW (C504)

MSci Honours *Subject to Approval\**

Microbiology 4 yrs (C502)\*

Microbiology with Professional Studies 5-yr SW (C505)\*

See also Biochemistry, Biological Sciences, 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 + GCSE Biology grade C and GCSE 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

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 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.

## 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

The School Manager

School of Biological Sciences

T: +44 (0)28 9097 5786

E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

## The Subject

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.

Viruses, bacteria and fungi 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 environmental processing or recycling of elements and waste products. They are also crucial in the manufacture of fermented foods and beverages.

## Content

The syllabus 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. Microbiology also provides a good 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.

## Stage 1

Basic Chemistry 1

Biodiversity

## Molecular Basis of Life

Structure, Reactivity and Mechanism in Organic and Bioorganic Chemistry

The World of Microorganisms

All are relevant in developing a sound basis for further studies in Microbiology.

## Stage 2

Cell Biology 2

Experimental Biochemistry

Microbes in Action

Molecular Biology and Bioinformatics

Work Placement

The science behind the roles of viruses and bacteria in the diseases of animals and plants and the ecological, environmental and industrial aspects of microbiology is studied.

## Stage 3

Bacterial Genetics and Genetic Manipulation

Industrial Microbiology

Immunology and Virology

Parasitology and Zoonoses

Research Project

## Stage 4 (MSci only)

Research Project

## Special Features

**Accreditation:** the 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 of Biomedical Sciences in the UK. Accreditation may be achieved through some additional postgraduate training.

**Placement:** students can complete an optional 16-week work placement period as a component of Stage 2. Microbiology with Professional Studies students, on completion of Stage 2, are required to undertake a compulsory 46-week period of work experience, including a project agreed between the student, the School and the employer. 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.

There is currently a shortage of microbiologists, and job opportunities exist across a number of areas. Opportunities are available in biomedical, industrial and government organisations, and in universities/higher education. Jobs can 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.

Companies and organisations concerned with animal and plant health, food/beverage processing, water quality, environmental management, pharmaceutical products and biotechnology require Microbiology graduates.

Graduates are qualified to take up both scientific and non-scientific careers and many graduates also 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.

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.

*"As a mature student, I was a little worried at the idea of going to university, but my fellow students are a lot of fun and my lecturers are very supportive, and I have gained a greater appreciation of how something as little as a virus, bacterium or fungus can affect our lives."*

Denver Mooney

BSc Microbiology Graduate (2012)

Currently undertaking a PhD in Medicine

\*Courses advertised 'subject to approval' have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.



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.

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 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, Mathematics or Physics) OR BBC where a relevant Science subject is not offered.

**BTEC Extended Diploma (18 Units):** successful completion with 6 Distinctions and 12 Merits in a relevant Science based course OR successful completion with 8 Distinctions and 10 Merits in a non-relevant 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 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 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.

**Graduate:** 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.

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)

For all applicants

- all applicants must meet the academic entrance requirements by **31 August 2017**.
- additional academic criteria may be applied at shortlisting depending on the volume of applications.
- applicants being considered for an offer based on meeting academic criteria will be shortlisted for interview on the UCAS Personal Statement scored against criteria set by Northern Ireland Practice and Education Council for Nursing and Midwifery (NIPEC). As part of the Nursing and Midwifery Council (NMC) requirement for face-to-face contact, scored face-to-face interviews with eligible applicants will normally take place between January and March. Offers will be made on the results of the interview. More detail can be found on the School's website.
- applicants made an offer of a place on the programme are required to undergo a satisfactory Occupational Health Assessment and Criminal Record check (Access NI Enhanced Disclosure Check).

Contact

Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

Course information

School of Nursing and Midwifery

T: +44 (0)28 9097 5718/5719/5716

E: [nursing@qub.ac.uk](mailto:nursing@qub.ac.uk) | W: [www.qub.ac.uk/nur](http://www.qub.ac.uk/nur)

The Subject

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.

There are also opportunities for elective placements with one of our international partners in the final year of study.

Content

Designed to meet the local, national and international challenges in Midwifery, 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.

The public health role of the midwife is highlighted throughout and students gain experience in planning and co-ordinating care for mothers and their babies from the outset.



Careers/Further Study

With an employment rate close to 100 per cent, Queen's Midwifery graduates are highly sought after and go on to forge rewarding careers locally, nationally and around the world. Our Midwifery graduates can also access our Continuing Professional Development programmes and go on to become specialists in neonatal care, family health and ultrasound scanning.

Queen's also offers Master's and Doctorate programmes, helping our graduates specialise and develop into leaders of their profession. Queen's is also leading the way in research into Maternal and Child Health and many of our graduates choose to follow a research path.

Special Features

**Unique:** Queen's is the only university in Northern Ireland offering a degree in Midwifery.

**Facilities:** we have a leading-edge simulation suite, allowing students to undertake skills training in a safe, controlled environment.

**Funding:** students undertaking our programmes may be eligible to have their fees paid by the Department of Health, Social Services and Public Safety Northern Ireland (DHSS&PS), and to receive a bursary.

*"My course is everything I expected and more; I love the clinical placement."*

Niamh O'Neill  
Armagh, Northern Ireland  
BSc Midwifery Sciences

## BMus

**Music** (Bachelor of) 3 yrs (W302)

Please note that new degree programmes in the areas of Drama and Film Making, Broadcast Production, Music and Sound Design, Music Performance and Production and Audio Engineering will be offered for 2017 entry. Please visit <http://go.qub.ac.uk/ugstudy> for further information. See also Music Technology and Sonic Arts

### 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)

### Contact

#### Entrance requirements

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

#### Course information

Dr Simon Mawhinney  
BMus Programme Convener  
School of Creative Arts  
T: +44 (0)28 9097 5324  
E: [s.mawhinney@qub.ac.uk](mailto:s.mawhinney@qub.ac.uk)  
W: [www.qub.ac.uk/soca](http://www.qub.ac.uk/soca)



### The Subject

The study of Music encompasses performance, music history, composition, theory, analysis, music technology and ethnomusicology. The School of Creative Arts at Queen's has a rich tradition of high-quality teaching and research in all these areas.

### Content

As a basis for specialisation in performance, composition and musicology, students take modules in music history, harmony and analysis.

#### Level 1

Includes three core modules: Introduction to Music, Fundamental Harmony and Music in History, plus two optional modules chosen from:

Composition  
Ethnomusicology  
Music Technology  
Performance  
(or another subject altogether)

#### Level 2

Level 2 includes three core modules in Analysis, History and Writing Skills, plus three optional modules chosen from:

Ensemble Performance  
Composition  
Improvisation  
Musicology (at least 3 modules offered)  
Music Technology  
Performance  
Traditional Irish Music

#### Level 3

At Level 3, students take at least one module in a Music History special subject, plus a range of options chosen from:

Composition  
Dissertation  
Musicology  
Performance  
Work Placement  
(up to two optional modules may be in another subject)

### Special Features

**Facilities:** the School of Creative Arts has two major recital venues, excellent recording facilities, a collection of percussion and keyboard instruments, and world-class electronic and computer music facilities.

**Partnerships:** the School has partnerships with the Ulster Orchestra, the National Chamber Choir of Ireland, and the Moving on Music initiative. The School also organises the internationally-renowned Sonorities Festival of Contemporary Music.

**Placement:** past students have gained work placement with organisations such as the Arts Council of Northern Ireland and the Ulster Orchestra.

**Study Abroad:** the School has an Erasmus agreement with the University of Athens in Greece. There are also opportunities to study in Canada, the USA and Australia.



### Careers/Further Study

The BMus degree at Queen's develops a particularly wide range of core skills and experiences that are valued by employers, professional organisations and academic institutions. As over half of all graduate jobs are not discipline-specific, BMus graduates are well regarded by many employers.

BMus graduates have found employment in many different fields.

Careers within music include performance, composition, teaching, academia, arts administration, music therapy and broadcasting.

Careers outside music include finance, public relations, business management and charity work overseas. Many students also apply the skills they develop through the degree entrepreneurially to create their own work opportunities in music and the University runs a number of extracurricular programmes in entrepreneurship.

Further study, including taught Master's programmes, is also an option; see the School website for further information.

*"The flexibility of module choices on the BMus gave me a wide range of knowledge and skills and the opportunity to specialise in areas of benefit to me in my future career of teaching. I look back on the BMus with fond memories as the best three years of my life."*

Matthew Snodden, Belfast  
BMus Graduate (2013)



BSc Honours  
Music Technology and Sonic Arts 3 yrs (J931)

Please note that new degree programmes in the areas of Drama and Film Making, Broadcast Production, Music and Sound Design, Music Performance and Production and Audio Engineering will be offered for 2017 entry. Please visit <http://go.qub.ac.uk/ugstudy> for further information. See also Music

Entrance Requirements

**A-level:** BBB including at least one from Computing, ICT (not Applied ICT), Mathematics, Music, Music Technology, Physics or Software Systems Development + GCSE Mathematics grade C and normally GCSE Music grade C.

If you are not offering one of these A-level subjects, then A-level grades BBB plus Grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable.

Grade VI Theory (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) is acceptable in lieu of GCSE Music.

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.

**Note:** those without a formal qualification in Music may be interviewed. However, you must be able to satisfy the other subject requirements.

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)

Contact

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

**Course information**  
Mr Chris Corrigan  
School of Creative Arts  
T: +44 (0)28 9097 4829  
E: [h.mcmanus@qub.ac.uk](mailto:h.mcmanus@qub.ac.uk)  
W: [www.qub.ac.uk/soca](http://www.qub.ac.uk/soca)

The Subject

The study of Music Technology considers the principles and practices of generating, processing and recording audio and music.

The study of Sonic Arts considers the idea of sound as an artistic medium and explores the many creative uses of sound.

Both subjects embrace a wide range of disciplines including electronics, computer software design, audio engineering, musical composition and acoustics. Queen's University has considerable experience and expertise in this field, having offered undergraduate and postgraduate degrees in Music Technology for more than 15 years.

Content

This degree is designed to enable students from a wide range of academic backgrounds to engage in the study of Music Technology.

Level 1

Provides foundational work in areas such as:

Composition  
Performance  
Sound Design  
The Fundamentals of Sound  
The Sound Studio

Additionally students will begin to develop critical listening skills and use a wide range of studio resources to record, edit and process sound.

Level 2

Level 2 continues with the development of the core themes of the degree, offering modules in:

Acoustics and Psychoacoustics  
Composition and Performance  
Recording and Mixing  
Sound Design for Film

Optional modules allow students to explore areas such as:

The Design and Development of Digital Musical Instruments  
The Psychology of Music

Level 3

Level 3 is the point at which students start to specialise, choosing up to three modules from the core themes of:

Audio Engineering  
Composition  
Designing Musical Interactions  
Psychoacoustics  
Sound Design

Students then complete a final portfolio project in one of these areas of specialism.

Optional modules in performance allow students to explore new technological developments in performance practice and a work placement module allows students to gain valuable experience of working in the music and audio related industries. Former students have gained placements with organisations such as RTÉ, the Grand Opera House, Production House, Belfast Waterfront Hall, Belfast Festival and Peter Lloyd Acoustic Consultancy.

Special Features

**Facilities:** the School of Creative Arts is one of the largest and best-equipped institutions for Music Technology in the UK. It has 10 studios and two computer suites dedicated to Music Technology work and equipped with state-of-the-art resources.

The Sonic Arts Research Centre (SARC), the primary resource for teaching on the pathway, is dedicated to ground-breaking research and creative work in the fields of audio and music technology. SARC has brought together expertise in the areas of musical composition, performance, signal processing and interaction design and has recruited leading researchers from institutions around the world.

*"The course had the right balance between the technical and creative aspects of music technology. During my studies I gained a large interest for acoustics and computer programming. The staff are clearly passionate about their subject areas, which really motivates and inspires."*

James Mackenzie, London, England  
BSc Music Technology and Sonic Arts Graduate (2014), currently studying for a Master's in Sonic Arts



Careers/Further Study

Studying for a Music Technology and Sonic Arts degree at Queen's develops the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Graduates in Music Technology have found employment in audio engineering, software engineering, web development, broadcasting, audiology, concert-venue management, education and other areas of the music and audio industries.

There is also enormous growth within the broader creative industries, requiring the creation of audio content for computer software, gaming, websites, and other new media.

Further study, including Master's programmes, is also an option; see the School website for further information.



## 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)

See also Midwifery Sciences

## 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.

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, 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 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, Mathematics or Physics) OR BBC where a relevant Science subject is not offered.

**BTEC Extended Diploma (18 Units):** successful completion with 6 Distinctions and 12 Merits in a relevant Science-based course OR successful completion with 8 Distinctions and 10 Merits in a non-relevant 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 BBBBC 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.

**Graduate:** 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.

## 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

## For all applicants

- all applicants must meet the academic entrance requirements by **31 August 2017**.
- additional academic criteria may be applied at shortlisting depending on the volume of applications.
- applicants being considered for an offer based on meeting academic criteria will be shortlisted for interview on the UCAS Personal Statement scored against criteria set by Northern Ireland Practice and Education Council for Nursing and Midwifery (NIPEC). As part of the Nursing and Midwifery Council (NMC) requirement for face-to-face contact, scored face-to-face interviews with eligible applicants will normally take place between January and March. Offers will be made on the results of the interview. More detail can be found on the School's website.
- applicants made an offer of a place on the programme are required to undergo a satisfactory Occupational Health Assessment and Criminal Record check (Access NI Enhanced Disclosure Check).

## Contact

## Entrance requirements

E: admissions@qub.ac.uk | T: +44 (0)28 9097 3838

## Course information

School of Nursing and Midwifery

T: +44 (0)28 9097 5718/5719/5716

E: nursing@qub.ac.uk

W: www.qub.ac.uk/nur

## The Subject

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.

## Content

Designed to meet the targets set by the Nursing & Midwifery Council, 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 relevant as possible to the changing needs of the population.



## Careers/Further Study

With an employment rate of nearly 100 per cent, Queen's Nursing graduates are highly sought after and go on to forge rewarding careers locally, nationally and around the world. Employers range from local and national NHS settings to private care homes, prisons, GP surgeries and the armed forces medical corps.

Queen's also offers a comprehensive range of continuing professional development, Master's and Doctorate programmes, helping our graduates specialise and develop into leaders of their profession.

## Special Features

**Unique:** Queen's is the only university in Northern Ireland offering degrees in all four fields of Nursing, enabling an innovative approach to inter-professional education.

**Facilities:** we have a leading-edge simulation suite, allowing students to undertake skills training in a safe, controlled environment.

**Funding:** students undertaking our programmes may be eligible to have their fees paid by the Department of Health, Social Services and Public Safety Northern Ireland (DHSS&PS), and to receive a bursary.

**Study Abroad:** students may have the opportunity to complete a practice placement abroad.

*"I chose Queen's and I'm thankful every day that I did. The course is split between practical and academic learning and offers a diverse range of teaching tools. To top it all off, I met some of the most amazing people!"*

Richard Kerrigan  
Newtownards, Northern Ireland  
3rd Year BSc Nursing



BSc Honours  
Nursing Top Up 1 yr full time  
Subject to Approval\*

Entrance Requirements and How to Apply

Application for admission to this degree is direct to the University and not via UCAS. Please contact the School directly for details on entrance requirements, how to apply and associated information.

Contact

Entrance Requirements and Course information

Student Support Office  
School of Nursing and Midwifery  
T: +44 (0)28 9097 5714  
E: nursing@qub.ac.uk  
W: www.qub.ac.uk/nur



The Subject

The School of Nursing and Midwifery is located within the Faculty of Medicine, Health and Life Sciences, and is uniquely positioned to offer an innovative approach to nursing with in inter-professional learning context using the latest technologies in simulated teaching to support clinical practice. Changes in health care trends, policies and technologies and the demand for evidence of graduate study has increased the necessity for health professionals to redefine and update their skills-base.

This new programme is specifically designed for registrants wishing to top-up their academic profile to degree level; it allows students to study full time in their own field of expertise, deepen their knowledge and expand their career progression opportunities.

Content

This programme is delivered full time over the course of one academic year during which students must register for the equivalent of six 20-unit modules. The programme comprises the following four compulsory modules:

- Research and Development in Clinical Practice
- Leading and Facilitating
- Person Centred Assessment
- Health Assessment

Students may select their remaining two modules from a wide ranging list of optional modules such as Child Care and the Law, Health Promotion and Clinical Practice, Supportive and End of Life Care, Modern Strategies for Pain Management, etc.

Special Features

The BSc (Hons) Nursing Top Up will prepare nurses, midwives, and specialist community nurses:

- To foster intellectual and personal development through the study of specialist areas of nursing practice and health care provision.
- To enable students to develop a scholarly understanding of the importance of evidence based and cost – effective health and social care.
- To provide opportunities for students to progress academically and professionally and to acquire skills that will improve their employment opportunities.
- To assist students to develop an interest in and enthusiasm for their subject and acquire the skills appropriate to self – directed study and life – long learning.



Careers/Further Study

This flexible and innovative programme prepares our students to be sought-after practitioners capable of delivering care around the globe. As such we have graduates that are working locally, nationally and internationally at all levels of health care provision including leadership and management roles.

Graduates of the BSc Nursing Top Up may be eligible to access a range of postgraduate study options which will enhance their career progression opportunities, eg MSc Advanced Professional Practice.

\*Courses advertised 'subject to approval' have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.

## BSc Honours

BSc Pharmaceutical Sciences 3 yrs (B210)

BSc Pharmaceutical Biotechnology 3 yrs (B210)

BSc Pharmaceutical Engineering 3 yrs (B210)

See also Pharmacy

## Entrance Requirements

**A-level:** BBB including Chemistry and at least one from Biology, Mathematics or Physics + GCSE Biology grades C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.  
**Note:** Biology to at least AS preferred.

## 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)

## Contact

## Entrance requirements

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

## Course information

Professor Colin McCoy  
 T: +44 (0)28 9097 2081  
 E: [pharmacyinfo@qub.ac.uk](mailto:pharmacyinfo@qub.ac.uk)  
 W: [www.qub.ac.uk/pha](http://www.qub.ac.uk/pha)



## The Subject

These new Pharmaceutical Sciences, Pharmaceutical Biotechnology and Pharmaceutical Engineering degrees are concerned with the design, evaluation, production, and testing of medicines. As such, they are based on the chemical, biological and medical sciences as the foundation for employment within the pharmaceutical and related (eg medical device) industries. All of these facets are addressed and integrated in these three-year undergraduate degrees.

Students will study on the same pathway for the first two years of the degree, before specialising in Pharmaceutical Sciences, Pharmaceutical Biotechnology or Pharmaceutical Engineering in their final year, which leads to the award of a BSc Honours degree in the chosen subject.

## Content

## Level 1

All students take five modules:

The first provides an introduction to pharmaceutical microbiology, including aspects of disinfection and sterilisation, with a second module providing an introduction to the principles of physical and analytical chemistry of importance in pharmaceutical systems. The third module addresses the mathematical and statistical skills that are needed by pharmaceutical scientists to work effectively in the industrial and related sectors.

A chemistry module covers important aspects of organic and bio-organic chemistry, including structure determination, chemical reactivity and mechanistic aspects.

Finally, a physiology module covers the principles of general physiology and histology as well as an introduction to systematic pathophysiology.

## Level 2

This year provides further development of understanding of basic/fundamental sciences related to the pharmaceutical sciences.

Three modules are studied. The first covers the basic principles of drug action and the second is concerned

with medicinal substances and the analytical methods used to determine the relationships between structure and function of drug molecules.

The remaining module deals with the formulation of drug products, drug stability and the industrial manufacturing of pharmaceutical dosage forms.

## Level 3

The final year of each of the degree programmes build upon the disciplines that are covered in the first two years and provide specialisms in key areas needed to work successfully within the industrial sector.

Core modules studied in the final year cover the following areas including advanced delivery systems for large and small molecules and applied pharmaceutical analysis and drug design. Quality assurance and regulatory aspects of pharmaceutical manufacturing are studied by Pharmaceutical Sciences students, while those specialising in Pharmaceutical Biotechnology study detailed aspects of biotherapeutics. Students specialising in Pharmaceutical Engineering will study pharmaceutical engineering and quality systems.

Students also carry out a research project in Pharmaceutical Sciences, Pharmaceutical Biotechnology or Pharmaceutical Engineering.

## Special Features

**Top Ranking:** the School of Pharmacy at Queen's is acknowledged as a leading centre for Pharmacy teaching and research in the UK, consistently featuring at or near the top of league tables for the subject. In the latest edition of The Times and Sunday Times Good University Guide 2016 the School of Pharmacy at Queen's is ranked as the No 1 Pharmacy School in the UK.

**International Links:** the School has strong international links as well as a great community spirit.

**Placement:** a feature of this BSc is the opportunity for experience of the industrial environment. Students have the opportunity to undertake an optional six-week or 48-week placement within the pharmaceutical industry between Years 2 and 3.



## Careers/Further Study

Studying for the BSc Pharmaceutical Sciences 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.

The prospects of employment for a graduate with a BSc degree in the UK are high.

Examples of career sectors (and graduate starting salaries) are:

- Industrial pharmacy (£25k)
- Academic pharmacy (£31k with a PhD)
- Scientific publishing (£21k)
- Various graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

Additionally we consult and have developed links with a large number of employers including Warner Chilcott and Almac who are members of the stakeholders panel for this degree.

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.





MPharm Honours  
Pharmacy 4 yrs (B230)

See also *Pharmaceutical Sciences*

### 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.*

**Mature Students:** the same requirements as listed above apply.

**Graduate Applicants:** 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. Applicants who are completing their degree should note that performance in the penultimate year of their degree will be taken into account at shortlisting. Shortlisted applicants will be required to attend an interview as part of the selection process.

**Other Qualifications:** contact the Admissions and Access Service for advice.

**International Applicants:** slightly different requirements apply; check the School website for details. Canadian and Australian High School qualifications are also welcomed.

### 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)

### Information for 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 time of publishing the relevant legislation is under review and it is possible that in the future the vetting requirements and costs will change. Applicants who receive offers 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.

### Contact

#### Entrance requirements

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

#### Course information

Professor Michael Tunney  
School of Pharmacy  
T: +44 (0)28 9097 2086  
E: [pharmacyinfo@qub.ac.uk](mailto:pharmacyinfo@qub.ac.uk)  
W: [www.qub.ac.uk/pha](http://www.qub.ac.uk/pha)

### The Subject

Pharmacy is concerned with the design, evaluation, production and use of medicines and is based on the chemical, biological and medical sciences as the foundation for clinical practice. Pharmacists also have the ability and opportunity to monitor and optimise the therapeutic use of medicines through working with patients and other healthcare professionals.

All of these facets are addressed and integrated in this undergraduate degree. Our course is designed to equip you with the knowledge and skills needed to become an excellent pharmacist.

### Content

#### Level 1

All students take five modules: the first provides an introduction to pharmaceutical microbiology including aspects of disinfection and sterilisation with a second module providing an introduction to the principles of physical and analytical chemistry of importance in pharmaceutical systems.

The third module provides a foundation in the essential skills for the practice of pharmacy and an introduction to the development of a pharmaceutical product from concept to clinic, and the roles of the pharmacist in this process.

A chemistry module covers important aspects of organic and bio-organic chemistry including structure determination, chemical reactivity and mechanistic aspects. Finally, a physiology module cover the principles of general physiology and histology as well as an introduction to systematic pathophysiology.

#### Level 2

This year provides further development of understanding of basic sciences related to pharmacy and an introduction to some professional aspects of medicines optimisation.

Three modules are studied: one covers the basic principles of drug action and therapeutics and an introduction to the clinical application of therapeutic substances; and a further module is concerned with medicinal substances and deals with analytical methods used to determine the relationships between structure and function of drug molecules. Finally, a double module deals with formulation/dispensing of drug products, drug stability and some industrial manufacturing processes.

#### Levels 3 and 4

The professional and clinical aspects of the final two years reflect the increasing involvement of pharmacists in medicines optimisation and working with other healthcare professionals.

Level 3 topics include applied pharmaceutical analysis, drug design and delivery, pharmaceutical biotechnology, pharmaceutical legislation, clinical therapeutics, and pharmacy practice.

Level 4 topics include advanced pharmaceutical care, business, government and industry, responding to symptoms and evidence-based medicine. Students also carry out a research project.

Throughout the degree course pharmacy students have the opportunity to work with medical and nursing students to optimise patient care whilst in the classroom, on placement and in simulated environments.

### Special Features

**Top Ranking:** 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 *Times and Sunday Times Good University Guide 2015* we are ranked as the No. 1 Pharmacy School in the UK.

**Placement:** a feature of this MPharm is an increasing experience of the clinical environment through inclusion of clinical placements in both community and hospital settings.

**Accreditation:** the degree is accredited by the General Pharmaceutical Council (GPhC) in Great Britain and the Pharmaceutical Society of Northern Ireland, as the relevant regulators.



### Careers/Further Study

Following successful completion of the degree, all graduates intending to register to practise as pharmacists are required to complete satisfactorily a one-year period of pre-registration training under conditions approved by the regulator, followed by a registration examination. Pre-registration training may be in GB or NI, with the registration examination of the relevant regulator. Qualified pharmacists may work in the UK, or further afield, once registered with the relevant regulator.

Graduates from this degree at Queen's are well regarded by local, national and international employers and the prospects of employment for a graduate with an MPharm in the UK are high. Typically they pursue careers in three main employment sectors: community pharmacy; hospital pharmacy; and the pharmaceutical industry. Careers in other sectors include academic pharmacy, scientific publishing and various graduate programmes.

We regularly consult with a large number of employers, from multinationals to independent pharmacies and Health and Social Care Trusts, who are members of the stakeholders panel for the degree, provide placements for students and contribute to the undergraduate teaching on the MPharm. 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.

*"I've had lots of opportunities in the School to develop skills which will be incredibly beneficial in my future career. The staff are friendly and helpful; they have excellent knowledge in their fields of research and they're very good at passing that knowledge on to students."*

Ryan Potts, Newcastle upon Tyne, England  
3rd Year Pharmacy

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)  
Theology and Philosophy 3 yrs (VV65)

See also Politics, Philosophy and Economics

## Entrance Requirements

A-level: BBB

**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)

## Contact

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

**Course information**  
Dr Jeremy Watkins  
Undergraduate Convenor (Philosophy)  
School of Politics, International Studies and Philosophy  
T: +44 (0)28 9097 5028  
E: [pisp@qub.ac.uk](mailto:pisp@qub.ac.uk)  
W: [www.qub.ac.uk/pisp](http://www.qub.ac.uk/pisp)

## The Subject

Philosophy addresses some of the fundamental questions of human thought and existence, such as:

- What is knowledge?
- Is there a God?
- Do we have free will?
- Is the mind identical to the brain?
- What is the nature and foundation of morality?
- Is democracy the best form of government?
- How can we tell a good argument from a bad argument?

By studying the subject at Queen's, you will be joining a vibrant and friendly School that aims to combine excellence in teaching with a first-class student experience.

As part of your degree, you will learn about cutting-edge debates in core areas of philosophy, such as ethics, metaphysics, theory of knowledge and political philosophy, as well as studying some of the key thinkers in the history of philosophy, such as Plato, Aristotle, Descartes, Hume, Mill and Marx. You will also develop your skills in reasoning and argumentation by studying formal logic and critical thinking.

## 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.

### Level 1

Students choose six modules from a range of introductory modules including the following:

Logic and Critical Thinking  
Perspectives on Politics  
Philosophy and Human Nature  
Philosophy and the Good Life

### Levels 2 and 3

At Levels 2 and 3, the subject may be studied as a Single Honours (12 modules) or Joint Honours (six philosophy modules together with six modules taken from the other subject).

Students take the appropriate number of modules from the following indicative list:

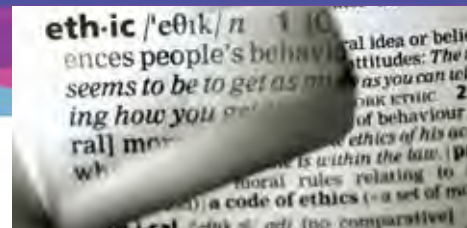
Applied Ethics  
Contemporary Critical Theory  
Contemporary Theories of Justice  
Contemporary Epistemology  
History of Philosophy  
Knowledge and Reality  
Metaphysics  
Mind and Language  
Mind and Nature  
Modern Political Thought  
Moral Theories  
Philosophical Theology  
Philosophy of Law  
Philosophy of Science  
Scholastic Ethics  
Scholastic Metaphysics  
The Religious and the Secular in Modern Political Thought  
Dissertation

## Special Features

**Philosophy Societies:** there is an active student-run Philosophy Society and the School is also the home of the Belfast branch of the Royal Institute of Philosophy, which organises regular talks and seminars by distinguished visiting philosophers.

**Study Abroad:** students have study opportunities in other European universities, through our Erasmus programme, and also in the USA.

**Curriculum:** we have particular strengths in the areas of applied ethics and political philosophy, and – unusually amongst UK universities – offer teaching in scholastic philosophy.



## Careers/Further Study

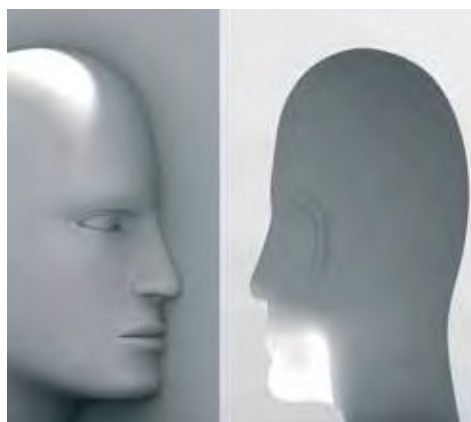
Queen's takes the employability of its students very seriously. Tailored careers advice and study guidance are available to all students throughout their time at Queen's.

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.

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes, including an MA in Legal, Political and Moral Philosophy and an MA in Bioethics and Medical Law; see the School website for further information.

*"I found it very easy to talk to the Philosophy staff and they always went out of their way to help me. They were genuinely interested in my progress and always had my best interests at heart."*

Adrian Downey, Northern Ireland  
BA Philosophy Graduate  
Currently studying for a MSc by Research





## BSc Honours

**Applied Mathematics and Physics 3 yrs (GF13)**  
(see Maths)

**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 Maths)**

## MSci Honours

**Applied Mathematics and Physics 4 yrs (GFC3)**  
(see Maths)

**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 Maths)**

## 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 at A-level 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 at A-level including Mathematics and Physics

**Note:** applicants for the MSci degree will automatically be considered for admission to the BSc degree if they are not eligible for entry to the MSci 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)

## Contact

## Entrance requirements

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## Course information

Dr Tom Field

School of Mathematics and Physics

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E: [physics@qub.ac.uk](mailto:physics@qub.ac.uk)

W: [www.qub.ac.uk/mp](http://www.qub.ac.uk/mp)

## The Subject

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 obtained an excellent grade in the last subject-based Teaching Quality Assessment exercise, 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.

*"I enjoyed learning about the fundamental laws that govern the world."*

David Mulholland, Belfast, Northern Ireland  
MSci Graduate (2008), Postdoctoral  
Researcher at University of Reading

*"Physics is an enabling discipline showing how to do things thought impossible and helping others refine their approach. Physics is to the rest of science what machine tools are to engineering."*

Sir John Pendry

*"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

## 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 depending on choice of Stage 1 modules, as a Joint Honours degree in conjunction with Applied Mathematics or Computer Science.

*"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 (2005)



## Stage 1

In their first year students study a core of modern Physics and Applied Mathematics, and, if desired, a third subject such as Computer Science. 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.



continued

### 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:

- 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; in conjunction with this a project report and associated poster are produced to a professional standard.

*"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, now Ophthalmic  
Photographer in Centre for Experimental  
Medicine at Queen's

### 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, a selection is made from the modules listed with the BSc pathway. This includes a Professional Skills module, where important scientific skills such as report writing, presentations and peer-review are further developed. 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 centres, with the student working within the world-leading research groups. Through this project students gain an intensive

insight into modern scientific research. Some projects may result in publications in national and international scientific journals.

### Special Features

**Accreditation:** our Physics degrees are fully accredited by the Institute of Physics, except for Applied Mathematics and Physics. These are recognised by the Institute, and students' individual degrees may be 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 School website for further information.

*"One great thing about teaching at Queen's is how there's such a link between the lectures and current scientific research. My students frequently get to hear about discoveries before anyone else! It's a buzz telling students about quantum physics or cosmology, and wondering if they'll be the scientists one day to unravel the mysteries that still exist in the most fundamental of all the sciences."*

Professor Alan Fitzsimmons  
Physics and Astronomy at Queen's

*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, image by AOES Medialab

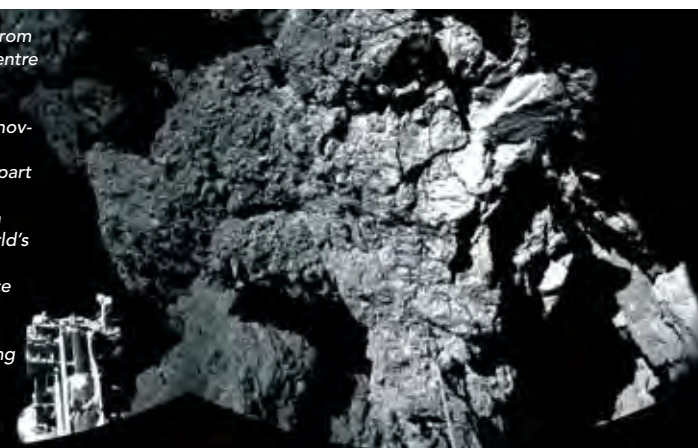


### Careers/Further Study

Physics graduates earn 14 per cent more on average than other graduates (HESA 2014). They have a significantly lower unemployment rate on qualification and over a lifetime, only graduates in medicine or law earn more than those with a physics degree (*Institute of Physics Careers Survey 2012*).

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.





BSc Honours

Planning, Environment and Development 3 yrs (K430)

See also *European Planning*

### 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)

### Contact

#### 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 Planning, Architecture and Civil Engineering  
T: +44 (0)28 9097 6564  
E: [space@qub.ac.uk](mailto:space@qub.ac.uk)  
W: [www.qub.ac.uk/space](http://www.qub.ac.uk/space)

### The Subject

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.

### Content

The general aims of this degree are to develop the professional skills necessary to work in the broad field of planning practice and development management, while providing an understanding of related economical, ethical, social and political dimensions. 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 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 control process. Students are also given an opportunity to further develop skills in design issues and are introduced to the social aspects of planning activity.

### 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.

### Special Features

**Top Ranking:** Planning at Queen's was ranked in the Top 10 in the 2014 *Guardian League Tables*.

**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 of the Environment, 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."*

— Tiarna McVeigh  
Crumlin, Northern Ireland  
BSc Environmental Planning Graduate (2014)  
Currently studying for Master's degree



BA Single Honours Politics 3 yrs (L200)	Irish and Politics 3 yrs (QL52) Philosophy and Politics 3 yrs (VLM2) Politics and Spanish 4 yrs (LR24)
BA Joint Honours English and Politics 3 yrs (QL32) French and Politics 4 yrs (RL12) History and Politics 3 yrs (VL12) International Studies and Politics 3 yrs (L290)	LLB Honours Law with Politics 3 yrs (M1L2)
	See also International Politics and Conflict Studies and Politics, Philosophy and Economics

Entrance Requirements

**A-level:** ABB for BA Single Honours and BA Joint Honours with English, French, History, International Studies, Irish and Spanish. BBB for other BA Joint options.

**All applicants:** there are no specific subject requirements to study Politics, however, if you plan to study Politics as a Joint Honours degree or with Law 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)

Contact

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

**Course information**  
Professor John Barry  
Undergraduate Convenor (Politics)  
School of Politics, International Studies and Philosophy  
T: +44 (0)28 9097 2546  
E: [pisp@qub.ac.uk](mailto:pisp@qub.ac.uk)  
W: [www.qub.ac.uk/pisp](http://www.qub.ac.uk/pisp)

**The Subject**

The academic study of politics is concerned with the sources of conflict, co-operation, power and decision-making within and between societies, how differences are expressed through ideology and organisation, and how, if at all, disagreements and problems are resolved.

We look at conflict, co-operation and its origins, dynamics and trajectories, at theories of society, at the value and ethical basis of political ideas and action, and at politics in different national and historical contexts.

Politics in deeply-divided societies, the politics and theory of international relations, political ideologies, the politics of self and other in a media culture, gender inequality, political institutions, parties and elections, the politics of sustainable development, energy, climate change, international political economy and finance, public policy and public administration, and the politics of the European Union – these are just some of the areas that we cover.

With over 30 staff at the cutting edge of research and publication, the School is the largest in Ireland and one of the largest in the UK and Ireland, with specialisms in Irish and British politics, political theory, sustainable development, the politics of film and literature, gender, the Middle East, European Union politics, ethnic conflict and international relations.

Content

Students who intend to study Politics at Levels 2 and 3 must choose between two and six of the introductory modules available in the first year.

Level 1 modules

Comparative Politics  
Contemporary Europe  
Issues in Contemporary Politics  
Perspectives on Politics  
World Politics: Conflict and Peace

Thereafter, Politics may be studied at Levels 2 and 3 as a Single Honours subject (12 modules) on its own, or as a Major (eight modules), Joint (six modules), or Minor (four modules) component along with another subject. The Politics element of the Law with Politics LLB comprises four modules, two at each of Levels 2 and 3.

At each Level there is a mix of compulsory and optional modules, depending on the mode of study. Students select the appropriate number of modules from the following indicative list.

Level 2 modules

American Politics  
British Politics  
Democracy, Ethics and Economics



International Organisations  
Modern Political Thought  
Politics and Policies of the European Union  
Security and Terrorism  
Studying Politics  
The Politics of Deeply Divided Societies

Level 3 modules

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  
Minorities in Europe  
Northern Ireland: A Case Study  
Political Parties and Elections in Northern Ireland  
Political Parties, Representation and Democracy  
Politics, Public Administration and Policy-making  
Scotland and Northern Ireland  
Security and Technology  
The Far Right in Western Europe and North America  
The Politics of Irish Literature  
The Politics of Sustainable Development  
Theories of Global Justice  
US Foreign Policy: War  
War and Visual Culture  
Women and Politics  
Internship  
The Placement  
Dissertation

*"I chose Queen's because the wide choice of modules essentially allows me to build my own degree. I enjoy the way we are taught through lectures and tutorials where we are given an overview of a topic, able to research more for ourselves, and then debate with our peers in tutorial sessions. The School is very open to the input of students and I enjoy the level of student engagement through societies and student-staff consultative committees."*

Jessica Simonds, Colwyn Bay, Wales  
3rd Year, BA Politics

Careers/Further Study

A degree in Politics 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.

Graduates in Politics 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.

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 MRes in Politics and an MPhil or PhD by thesis; see the School website for information.

Special Features

**Study Abroad:** students have study opportunities in other European universities through our Erasmus programme, and also in the USA and Canada.

**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.

**Research-led Teaching:** cutting-edge research drives our externally commended teaching, most recently evidenced in the latest student satisfaction survey.

**Support:** our uniquely supportive pastoral care/ personal tutor system is equalled only by the academic guidance available. 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.

**Placement:** unique to the BA Politics programme is 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.



## BA Honours

Politics, Philosophy and Economics 3 yrs (LV00)

See also Economics, International Politics and Conflict Studies, Philosophy and Politics

## 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

Dr Stefan Andreasson

Senior Lecturer in Comparative Politics  
School of Politics, International Studies  
and Philosophy

T: +44 (0)28 9097 3051

E: [s.andreasson@qub.ac.uk](mailto:s.andreasson@qub.ac.uk)W: [www.qub.ac.uk/pisp](http://www.qub.ac.uk/pisp)

## The Subject

The Politics, Philosophy and Economics (PPE) degree was launched in September 2009. It takes its title from the prestigious Oxford programme of the same name that was established in 1920, initially as the basis for a career in the senior ranks of the Civil Service.

The PPE at Queen's takes a more integrated approach to the study of PPE than many comparable programmes. It is based on the view that, to understand social 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.

## Content

## Level 1

Students take six modules: two Economics; one Politics; one Philosophy; plus two choices.

## Level 2

Students take two core interdisciplinary modules:

Democracy and Ethics and Economics  
Politics and Economics of the Devolved UK  
Plus two other core modules:

Macroeconomic Policy and Performance  
Moral Theories

Plus two choices from the options list below:

## Optional modules

American Politics  
History of Philosophy  
Industrial Organisation  
International Organisations  
International Relations  
Knowledge and Reality

Managerial Economics  
Mind and Language  
Modern Political Thought  
Politics and Policies of the European Union  
Scholastic Ethics  
Security and Terrorism  
Studying Politics  
The Politics of Deeply Divided Societies

## Level 3

Students take six modules: either a double-weighted dissertation, or double-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.

Students choose from the following modules:

Applied Ethics  
Asylum and Migration in Global Politics  
Contemporary Critical Theory  
Contemporary Epistemology  
Contemporary Political Philosophy  
Economic Consulting  
Economic History  
Ethics, Power and International Politics  
Global Resource Politics  
International Trade  
Issues in Philosophy of Science  
Labour Economics  
Middle Eastern Politics  
Philosophy for Children  
Philosophical Theology  
Philosophy of Law  
Philosophy of Science  
Political Parties, Representation and Democracy  
Politics, Public Administration and Policy-making  
Public Economics  
Scholastic Metaphysics  
Security and Technology  
The Far Right in Western Europe and North America  
The Politics of Sustainable Development  
US Foreign Policy  
Women and Politics

*"When choosing my course I looked for quality I could tailor to my interests. At Queen's, I've been able to choose brilliant modules. The course is engaging and relevant to modern issues and the support and friendliness of staff is something I really appreciate."*

Aisha Sobey, Derbyshire, England  
2nd Year, BA Politics, Philosophy and Economics



## Careers/Further Study

A PPE degree provides training and grounding in three different but related disciplines. It is policy relevant. Students develop a high level of economic and financial literacy. PPE opens up a range of career options because of the versatility and dexterity it instils in students.

Our students enter a wide range of careers including Civil Service, policy analysis, banking, market research, education, human resources, social services, charity funding, and postgraduate study.

Recent graduates moved into areas such as postgraduate study (at leading research universities, including among others Johns Hopkins in the US and Cambridge), banking, corporate law, consultancy, teacher training, the Civil Service and politics, including a Stormont MLA.

The School includes an active and engaged Employers Forum, composed of representatives from organisations such as Danske Bank, PricewaterhouseCoopers, the NI Council for Voluntary Action, a range of government departments, and the BBC. The panel advises on employability skills in the development of our degrees. They also contribute to advisory sessions for students on careers and employability.

## Special Features

Top Ranking: the recently completed Research Excellence Framework assessment confirmed the School's standing as one of the leading centres in the UK for world-class research in Politics, International Studies and Philosophy. In terms of the quality of the research across all academic staff in the School, both Politics and International Studies and Philosophy were ranked by Times Higher Education in the top 10 in the UK.

Module Choice: several of which are specially designed core interdisciplinary modules.

Study Abroad: optional internship at Level 3.

## 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)

See also Aerospace Engineering and Mechanical 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, 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 1.

## 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)

## Contact

## 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  
T: +44 (0)28 9097 4117  
E: [mech.aero@qub.ac.uk](mailto:mech.aero@qub.ac.uk)  
W: [www.qub.ac.uk/mechaero](http://www.qub.ac.uk/mechaero)

## The Subject

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 and manufacturing themes.

The integrated curriculum connects content from different modules through team-based and individual projects which act as a core activity each year.

## Content

## Stage 1

The emphasis is on engineering science fundamentals:

- 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 problem-solving, design methodology, sketching and model-making

## Stage 2

Student projects form a significant part of Stage 2, and they focus 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 and manufacturing.

## MEng (Stage 4)

At Stage 4, students carry out a semester-long design project in a local company, which also enhances employability skills. Advanced modules focus on engineering design, analysis and materials.

## Special Features

**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 ([www.cdio.org](http://www.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 perform well during Stage 1 may be invited to transfer to the MEng degree at the start 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, 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.

The MEng degree also offers the opportunity to spend a semester in Stage 4 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, B/E Aerospace, 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 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.

*"The course taught us how to take and develop a sketch on a piece of paper into a product for industry. Although we are not experts in a particular field of engineering, we are experts in the design and development process which is unique within engineering."*

Frank McCullagh, Northern Ireland  
MEng Product Design Graduate (2009)  
Currently Business and Product Development  
Manager, Solmatix Renewables



BSc Honours  
Psychology 3 yrs (C800)

### Entrance Requirements

**A-level:** ABB + GCSE Mathematics grade C.  
There are no specific subject requirements at A-level.

**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)

### Contact

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

**Course information**  
The Secretary  
School of Psychology  
T: +44 (0)28 9097 5445  
E: [psychology@qub.ac.uk](mailto:psychology@qub.ac.uk)  
W: [www.psych.qub.ac.uk](http://www.psych.qub.ac.uk)



### The Subject

Psychology is the scientific study of the mind and behaviour, so virtually anything related to the behaviour of humans and animals (normal or abnormal, social or personal, adult or child, subjective feelings or overt behaviour) is of interest to psychologists.

Psychology is a science, with all our students taking modules in statistics and experimental design, as required by our accrediting body, the British Psychological Society (BPS).

Our Psychology degree programme is very diverse and stimulating, and is consistently rated as 'excellent' by both our students and external examiners.

### Intercalating with Psychology

At the end of second or third year, medical and dental students may apply to take a year out of their studies to intercalate. This extra research-focused year will lead to a BSc Psychology (Intercalated) qualification.

For more information please contact Dr Matthew Rodger ([m.rodger@qub.ac.uk](mailto:m.rodger@qub.ac.uk)).

### Content

The first two years are spent covering the core syllabus approved by the BPS and include the following topics:

- Cognitive Psychology
- Conceptual and Historical Issues
- Developmental Psychology
- Experimental Design, Statistics and Research Methods
- Individual Differences
- Psychobiology
- Social Psychology

A wide range of transferable skills (for example in personal development planning, time management, report writing, and presentation skills) is integrated into the syllabus at all levels.

### Level 1

The equivalent of six Psychology modules is taken by all students. These involve lectures, tutorials, statistics classes and practical laboratory work. They focus on the core areas of psychology and the application of psychology in everyday life.

### Level 2

Students take the equivalent of six Psychology modules. These involve a mix of lectures, tutorials, practical laboratory work and statistics, and working on a group project.

### Level 3

Final year modules allow students a choice of specialised topics to suit their interests and career intentions; see the School website for details. Most students will also undertake a substantial empirical study resulting in a thesis.

### Special Features

**Research-led Teaching:** research in the School of Psychology has been judged to be 'world-leading' and 'outstanding' by the 2014 Research Excellence Framework (REF). The results place the School among the UK's top 20 Psychology, Psychiatry and Neuroscience departments in terms of research impact. The impact figures reflect how the School's research knowledge is informing policy makers, developing industry partnerships and ultimately touching on the lives of thousands of individuals.

**The Insight Programme:** our employability programme and optional work placement module has been commended by BPS and our employers.

**Facilities:** the School has specialised facilities for human experimental psychology, movement and perception, individual differences, social psychology, child development, psychophysiology and eating behaviour. We have a state-of-the-art mobile laboratory for gathering data in schools and other sites. Undergraduate students use these in their second and final years.

### Careers/Further Study

The BSc Honours in Psychology is accredited as conferring eligibility for the Graduate Basis for Chartered Membership, provided the minimum standard of a 2.2 is achieved.

Psychology graduates possess an arguably unique combination of numeracy and communication skills, which make them highly valued by employers in other sectors. Throughout the three years of the degree, we have embedded employability skills and opportunities which prepare our students for the world of work after graduation.

Our Psychology graduates have gone onto a wide variety of careers including journalism, human resources, teaching, social work, accountancy, and research. Other graduates are practitioner psychologists specialising in Clinical, Educational, Health, and Occupational Psychology. Further study is required for these careers and the School offers professional postgraduate training in clinical and educational psychology; see the School website for further information.

*"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  
2nd Year, BSc Psychology



## BA Joint Honours

English and Social Anthropology 3 yrs (QL36)

French and Social Anthropology 4 yrs (RL16)

History and Social Anthropology 3 yrs (VL16)

Irish and Social Anthropology 3 yrs (QL56)

Social Anthropology and Spanish 4 yrs (LR64)

## Entrance Requirements

A-level: BBB

**All applicants:** there are no specific subject requirements to study Social Anthropology, however, 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

School of History and Anthropology

T: +44 (0)28 9097 3701/3876

E: [anthropology@qub.ac.uk](mailto:anthropology@qub.ac.uk)W: [www.qub.ac.uk/history](http://www.qub.ac.uk/history)

## The Subject

Social Anthropology seeks to understand what it is to be human across the world, studying societies across space and time in order to grasp their cultural similarities and differences. By doing this, it opens windows onto worlds different from your own, and also provides mirrors for reflection about your own cultural world.

Queen's has one of the most successful Social Anthropology units in the UK and Ireland. Besides its wide reputation for research in communities, its staff have first-hand specialist knowledge of people across the world, and share their research on contemporary issues in their teaching. Social Anthropology at Queen's has consistently obtained excellent gradings in the UK Research Assessment Exercises, and has been commended by the Quality Assurance Agency for Higher Education for the teaching and learning opportunities it provides for its students.

## Content

A wide range of approaches is adopted towards learning and teaching, including lectures, seminars, workshops, tutorials, practical exercises and individual supervision, depending on the modules taken.

All of these approaches will provide transferable and employability skills, as well as enabling you to deepen your knowledge of anthropology.

## Year 1

The following modules are offered in first year:

A World on the Move: Anthropological and Historical Approaches to Globalisation  
 Culture and Society: The Social Anthropological Perspective  
 Expressive Cultures: Interpreting Text, Image and Sound  
 Power, Ritual and Symbol: The View from Anthropology

## Years 2 and 3

In the second and third years the combinations of compulsory and optional modules vary according to the degree of specialisation in Social Anthropology.

An Ethnography of Political Violence in Ireland  
 Contemporary Classics in Ethnographic Writing  
 Human-Animal Relations: An Anthropological Perspective

Key Debates in Anthropology  
 Leisure, Tourism and Culture  
 Love, Hate and Beyond: Emotions, Culture, Practice  
 Performance, Power and Passion  
 Religion and Ritual  
 Sex and Gender  
 Dissertation on an approved subject

**Note:** only some of the modules are available each year.

## Special Features

**Top-ranking:** Social Anthropology at Queen's is in the top 10 UK Anthropology departments (*Guardian League Table 2014*).

**Independent Study:** if you choose to specialise with us, you will have the chance to develop your own fieldwork project.

**Cultural Diversity:** by studying Social Anthropology at Queen's you will find first-hand knowledge of, and respect for, people from all sorts of societies and from all cultural backgrounds. In recent years students have visited the Pacific, India, Africa, Latin America and various areas of Western Europe, as well as conducting research in their own home communities.

**Placement:** past students have gained work placements with organisations such as Arts Care, Institute for Conflict Research, Operation Wallacea and the Ulster Museum.



## Careers/Further Study

Our graduates have found our degree life-enhancing and intellectually challenging. It has given them a good grounding in a multitude of workplaces, and is attractive to employers as it indicates an ability to analyse complex cultural and social issues and develop coherent arguments in written and verbal form.

Although the majority of our graduates pursue careers in social and community development work, significant numbers develop careers in a wide range of other sectors including management consultancy, the voluntary sector, advertising, publishing and the media.

Further study is also an option – a Master's programme and a comprehensive list of research topics are offered; see the School website for further information.

*"Queen's has given me an array of opportunities and I feel a lot more confident about my future. Belfast is a student-oriented city and you will always find something to do, social or academic!"*

Charlotte Ulett  
 Manchester, England  
 Social Anthropology Graduate (2012)  
 Currently Fundraising Assistant for the charity PEAS (Promoting Equality in African Schools)





## BA Joint Honours

Criminology and Social Policy 3 yrs (ML94)

Social Policy and Sociology 3 yrs (LL43)

See also *Criminology and Sociology*

## Entrance Requirements

## BA Criminology and Social Policy

A-level: ABB or equivalent in an Access Course

## BA Social Policy and Sociology

A-level: BBB or equivalent in an Access Course

**All applicants:** there are no specific subject requirements to study 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)

## Contact

## 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 Sociology, Social Policy and Social Work

T: +44 (0)28 9097 5117

E: [b.byrne@qub.ac.uk](mailto:b.byrne@qub.ac.uk)W: [www.qub.ac.uk/soc](http://www.qub.ac.uk/soc)

## The Subject

Social Policy is about understanding how we can improve human well-being through tackling intractable social problems and delivering better-quality public services.

As an applied social science, Social Policy provides a useful and relevant bridge between politics, sociology and economics and it draws on insights from these disciplines to analyse current policy and consider how we can achieve improvements.

Social Policy asks questions such as:

- How much responsibility falls to the individual or to society and the state when an individual is homeless, unemployed, poor or ill?
- Should the welfare state offer care and protection to everyone 'from the cradle to the grave' or should society help those who help themselves?
- Do people have a right to a basic income, a home, a job and education, or are obligations and duties more important than rights?

Against a backdrop of social and economic upheaval it is more important than ever to understand the effects of government policies on individuals, families and communities, and the practical, political and ideological reasons underlying the formation of specific social policies.

Our degrees concentrate overall on policy in the UK and Ireland, but also take a comparative perspective that explores, where appropriate, how other nations provide public services.

## Content

Core Social Policy modules studied are:

## Stage 1

Introducing Social Policy

Themes and Issues in Social Policy

## Stage 2

Ageing and the Life Course  
Welfare in Theory and Practice

## Stage 3

Health and Social Care Policy  
Project: Policy Briefing Paper

Optional modules in Disability and Society; and Gender, Family and Policy: Comparative Perspective are also offered.

## Special Features

**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, contact Dr Veronique Altglas for more information ([v.altglas@qub.ac.uk](mailto:v.altglas@qub.ac.uk)).

*"From the excellent teaching at the School and wide-ranging choice of modules surrounding social issues and policies, Social Policy is a great course in learning about the real world.*

*Overall, I found this course very enjoyable and would recommend it to anyone with a keen interest in social issues with the potential to change society."*

Laura McCaughey

Social Policy/Sociology Programme Graduate (2015)



## Careers/Further Study

Studying Social Policy at Queen's will assist you in developing the skills and employment-related experiences valued by employers, professional organisations and academic institutions.

Graduates from this degree are well regarded by local, national and international employers and enter a variety of careers working in the public, private and third sectors, or go on to postgraduate study.

Examples of some of the employers that have attracted graduates from the School in recent years are NHS, Commission for Victims and Survivors NI, NI Civil Service, NI Housing Executive, Belfast City Council, South Eastern Library Board, Ipsos Mori, PricewaterhouseCoopers, NI Statistics and Research Agency, Queen's University Belfast, University of Ulster, REED, Santander, and Ulster Bank.

We have an active Employers' Forum, which is a panel which includes G4S, the Police Service of NI, Hastings Hotels, Craigavon District Council, and NI Community and Voluntary Association. Members advise staff in incorporating employability skills in our degree programmes and in preparing our students for the world of work. They also contribute to advisory sessions for students on careers and employability.

Many of the School's former graduates have risen to the top of their fields, for example Dr Michael Maguire (Police Ombudsman of NI and former Chief Inspector of Criminal Justice in NI) and Dr Eddie Rooney (Chief Executive Regional Agency for Public Health and Social Well-being).

Further study is also an option open to Social Policy graduates, who 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.

## 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. 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:**

- Because of the professional nature of the course, a satisfactory Access NI check and registration with the Northern Ireland Social Care Council and Independent Safeguarding Authority are required.
- Applicants are advised to have some experience in employment or voluntary work of a social work nature.
- 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 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)

## Contact

**Entrance requirements**

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

**Course information**

School Office  
School of Sociology, Social Policy and Social Work  
T: +44 (0)28 9097 5117  
E: [soc@qub.ac.uk](mailto:soc@qub.ac.uk)  
W: [www.qub.ac.uk/soc](http://www.qub.ac.uk/soc)

## The Subject

Social Work is a vocational subject, and the purpose of these degrees is to educate and train students to become qualified social workers – people who are in the frontline, and part of society's efforts to cope with many community and personal problems.

Social workers play key roles in the delivery of services to care for people of all ages who are in need. They also exercise formal legal powers in response to many of society's problems such as child abuse, vulnerable adults, mental health problems, and working with offenders.

The School of Sociology, Social Policy and Social Work is one of the leading centres of social work education in the UK, with *The Times* and *Sunday Times Good University Guide 2015* ranking Queen's University's Social Work in the UK Top 5.

Our degrees are a mixture of academic study and assessed practice placements, which are supported by practice teachers in a variety of local social work agencies.

In the delivery of our courses we are joined by a wide range of agency partners, who are an integral part of the development and delivery of these degrees.

## Content

The main areas of study will be social work theory and practice skills, sociology, social policy, psychology and the law relating to social work.

## Levels 1 and 2

Levels 1 and 2 of the degree will concentrate on giving students a foundation in these areas. There will be an emphasis on helping students develop practice skills in preparation for their practice placements, including knowledge of different methods of intervention.

## Level 3

At Level 3, students will explore the needs of different users of social services across child, family and adult services. This teaching is supported by practice placements that will allow further development of knowledge and practice experience.

Throughout the degree, there will be an emphasis on the application of knowledge, theory and values to the practice contexts of social work. Much of the teaching, particularly of social work practice skills, will be in small groups and will feature the use of role-play.

## Special Features

**Top-ranking:** in the University league tables Social Work at Queen's is consistently in the Top 10 out of the 74 universities in the UK which provide social work courses.

**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 DHSSPS website: ([www.dhsspsni.gov.uk](http://www.dhsspsni.gov.uk)). Please note that all Health and Social Services bursaries are currently under review and may be subject to change.

**Internationalisation:** 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, India and the United States.

**Prizes:** high-achieving students are awarded Brian Rankin prizes annually.

## Careers/Further Study

Graduates from the Social Work degree at Queen's are well regarded by employers at local, national and international levels.

Central to this is the delivery of the degree as a partnership between the University, practice learning providers, employers, the Northern Ireland Social Care Council (NISCC) and service users and carers. At Queen's this is represented through the Collaborative Partnership at Queen's (CPAQ) and an active Employers Forum.

This Forum and CPAQ afford excellent links with employers including Health and Social Care Trusts, the Probation Board for Northern Ireland, Extern, NSPCC, Barnardos, and Women's Aid, places in which some of our past students have found fulfilling job opportunities.

Social workers are employed throughout the statutory and voluntary social services, and there are many career development opportunities leading to specialist posts and to the highest levels of management.

Although the majority of our graduates pursue careers in social work, others develop careers in a wide range of other sectors.

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.

*"Teaching and research is underpinned by a strong commitment to social justice and social change as entailed in the global definition of social work. Being part of the social work team at Queen's contributes to making excellent social work professionals."*

Dr Maria Pentaraki, Lecturer in Social Work





## 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 Criminology and Social Policy

## Entrance Requirements

**A-level:** ABB for Joint Honours with Criminology.  
BBB for other Joint Honours options.

## 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

Dr John Karamichas

School of Sociology, Social Policy and Social Work

T: +44 (0)28 9097 3237

E: [j.karamichas@qub.ac.uk](mailto:j.karamichas@qub.ac.uk)W: [www.qub.ac.uk/soc](http://www.qub.ac.uk/soc)

## The Subject

Sociology explains how society works, and our students become adept at asking why people do the things they do and how they come to do them that way.

At Queen's Sociology is taught as a Single or Joint Honours degree in the School of Sociology, Social Policy and Social Work. We have over 40 full-time academic members of staff and our expertise in the field of Sociology is internationally recognised. Students are taught by staff via lectures, seminars, tutorials and online forums.

## Content

## Level 1

In first year, students are introduced to what it means to think sociologically and to key sociological debates and issues.

## Level 2

In second year, students develop skills in research methods and learn about the concepts and theories by which sociologists understand the contemporary world.

## Level 3

In all three years, students complete modules, both core and elective, on specific topics about the social world.

Lecturers use a range of innovative teaching methods (such as multimedia, panel discussions and field trips) and student assessment (including presentations, group projects and critical reviews). We encourage students to make full use of the resources available to them through the McClay Library and the Queen's Online portal.

## Special Features

- The School building has state-of-the-art learning facilities and a dedicated student common room
- One-to-one personal tutoring is provided for students throughout their time at Queen's
- Tailored careers advice and study guidance are available to all students
- We offer a peer-mentoring scheme, with the support of staff and the Centre for Educational Development
- Students have the opportunity to spend time studying in one of our linked universities in Europe; contact Dr Veronique Altglas for more information ([v.altglas@qub.ac.uk](mailto:v.altglas@qub.ac.uk))

*"Modules are thought-provoking and challenge common perceptions of ourselves and our social world. All the skills I have learned are transferable to the world of work and give you a solid basis for employability."*

Deborah Murphy  
Enniskillen, Northern Ireland  
BA Sociology graduate (2014)  
Current postgraduate student

(Deborah was also a 2014 Winner of the Lockheed Employees' Prize – a benefaction from employees of Lockheed Overseas Corporation, USA, who worked in N. Ireland during World War 2)



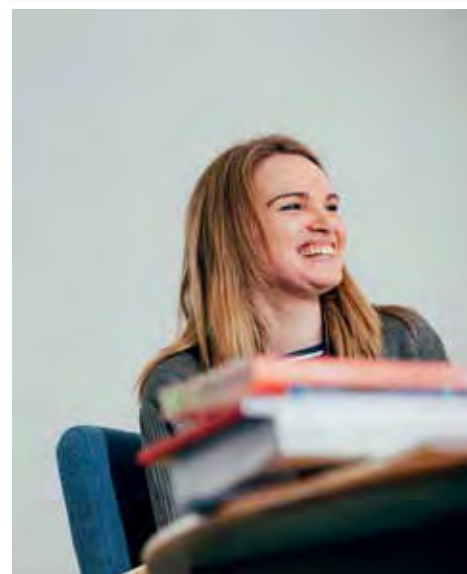
## Careers/Further Study

The diversity of interests and topics covered in a Sociology degree, plus the range of skills it equips you with, means that our students enter a wide range of careers on graduation.

Sociology graduates are particularly suited to careers with a high level of public interaction, social engagement and cultural awareness – such as in the public, private and third sectors.

We have an active and engaged Employers Forum in the School composed of high-ranking individuals in private and public-sector organisations. The panel contributes to advisory sessions for students on careers and employability.

Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching; see the School website for further information



BSc Single Honours

Sociology with Quantitative Methods 3 yrs (L301)

See also 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)

### Contact

#### Entrance requirements

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

#### Course information

Dr Andrew Percy  
School of Sociology, Social Policy and Social Work  
T: +44 (0)28 9097 5261  
E: [a.percy@qub.ac.uk](mailto:a.percy@qub.ac.uk)  
W: [www.qub.ac.uk/sites/QStep](http://www.qub.ac.uk/sites/QStep)



### The Subject

Sociology is often described as 'the science of society': it explains how societies work, which is often different from how people think they work.

One way of understanding social trends is to count people, activities and events, and societies are now awash with data on every aspect of people's lives. Sociologists need to become specialists in making sense of this data.

Queen's is one of only 15 universities across the UK that have been funded\* as part of Q-Step initiative to promote a step-change in undergraduate quantitative social science training. The initiative trains students to analyse social data through the delivery of specialist undergraduate programmes, including new courses, work placements and pathways to postgraduate study.

The BSc in Sociology with Quantitative Methods degree combines the curiosity of social inquiry with the quantitative skills required to collect and analyse social data. 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 in research and higher education, rebuild its economy, and provide citizens with the means to understand, analyse and criticise data".

\*Funded by ESRC, Nuffield Foundation and HEFCE.

*"What we need today are graduates familiar with the technology around us, who understand the social world in which we live and who are able to analyse and make sense of the large and complex data now available."*

Dr Andrew Percy, Q-Step Programme Director

### Content

Over the course of this degree, students are introduced to sociological concepts, theories and approaches. Both qualitative and quantitative research methods are introduced, with opportunities for specialisation in quantitative data collection and analysis.

As well as studying how social statistics are produced, students learn how to present, interpret and communicate data using statistical and visualisation software.

As they progress, students learn how to handle large and complex datasets and use advanced quantitative techniques, for example, studying changes over time and across regions and countries. Independent research is also built into the third year.

Modules include:

#### Level 1

Researching the Social World  
Visualising the Social World

#### Level 2

Inequalities Over The Life Course  
Theory Counts

#### Level 3

Comparing the Local and the Global  
Researching Change

### Special Features

**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' innovation, is offering Sociology combined with Quantitative Methods training. The degree is supported by the Foundation and the ESRC and provides unique opportunities to tackle quantitative data analysis in a professional environment through short-term placements provided by a select group of employers.



### Careers/Further Study

Sociology graduates with quantitative skills are highly sought after in a broad range of careers in business, charities, politics, academia and the public sector. Graduates of this degree are also well placed to undertake specialist research in universities and elsewhere, and to develop their skills further at Master's and Doctoral levels.

Further study opportunities are possible, and we have a number of 3 +1 bursaries to allow for progression to our Master's in Social Research postgraduate taught degree (MRes). A further four bursaries (fees and stipend) for the MRes will be available to non-funded students taking the BSc Sociology with Quantitative Methods.

**Bursaries:** the School offers a range of bursaries including a number of dissertation awards (£250 per student) for undertaking quantitative research.

**Work Placements:** bursaries are also provided for summer work placements.

**Study Abroad:** students can spend time studying abroad in one of our linked Universities in Europe; for further information, please contact Dr Veronique Altglas ([v.altglas@qub.ac.uk](mailto:v.altglas@qub.ac.uk)).

*"Sociology with Quantitative Methods seeks to understand real-world problems such as inequality, prejudice, class division, and conflict. The degree combines a curiosity about the social world, with the tools to carry out your own investigation."*

Dr Eoin Flaherty, Q-Step Lecturer in Sociology



## BEng Honours

Software and Electronic Systems Engineering  
3 yrs (GH6P)

Software and Electronic Systems Engineering  
with a Year in Industry 4-yr SW (GH67)

See also *Electrical and Electronic Engineering*

## 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, 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.

**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, 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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

Professor Roger Woods, School of Electronics,  
Electrical Engineering and Computer Science  
T: +44 (0)28 9097 1892 | E: [r.woods@qub.ac.uk](mailto:r.woods@qub.ac.uk)  
W: [www.qub.ac.uk/eeecs](http://www.qub.ac.uk/eeecs)

## The Subject

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.

## 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, and students may gain a Licentiate of the City & Guilds from this period of work. Transfer from the BEng degree to the MEng is possible subject to satisfactory performance.

## Stage 1

Circuits and Communications  
Design Projects  
Electronics  
Embedded Systems  
Mathematics  
Object-oriented Programming

## Stage 2

A choice of modules is offered, including:

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 and Group Project

## Stage 3

A choice of modules is offered, including:  
Agile and Component-Based Development using .NET  
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

## MEng (Stage 4)

This four-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 common with the BEng degree and there is an optional sandwich year in industry. A choice of modules is offered, including:  
Advanced Software Engineering  
Algorithms Analysis and Application  
Applied Cryptography  
Computer Architecture and Organisation  
Design Project  
High Performance Computing  
Intelligent Systems and Control  
Media Security  
Network Security and Monitoring  
Project  
Real-Time DSP  
System and Computer Security  
Wireless Communications Systems  
Wireless Sensor Systems

## Special Features

**Facilities:** the School has a world-class reputation for research and provides excellent facilities, including access to major new research centres in Secure Information Technologies (CSIT), Electronics, Communications and Information Technology (ECIT) and Sonic Arts.



## 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, eg, Asidua 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 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.

**Scholarships:** students may be eligible for scholarships, eg the Schrader Electronics Scholarship and the Asidua 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 [www.qub.ac.uk/schools/eeecs/SESE/Scholarships](http://www.qub.ac.uk/schools/eeecs/SESE/Scholarships) for further information).

*"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  
3rd Year, BEng Software and Electronic Systems Engineering student and joint award winner of the Allstate NI Hackathon 2014

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)

See also Computer Games Development, Computer Science and Software Engineering

## Entrance Requirements

### BEng

#### A-level:

BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR

ABB including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology or Double Award Applied ICT + GCSE Mathematics grade C.

**BTEC Extended Diploma:** a relevant computing, engineering or scientific BTEC Extended Diploma with 100 credits at Distinction and 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 (including sandwich options)

#### A-level:

AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR

AAA including Chemistry, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology 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 Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these courses at the end of first year, subject to meeting the normal progression requirements. In addition, applicants for the MEng 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)

## Contact

### 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 | T: +44 (0)28 9097 1194  
E: [eeecs@qub.ac.uk](mailto:eeecs@qub.ac.uk) | W: [www.qub.ac.uk/eeecs](http://www.qub.ac.uk/eeecs)

## The Subject

Software is a fundamental part of today's 'digital society', controlling everything from the results that are displayed when you use a search engine, 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 process 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.

## 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.

### Stage 1

Computer Architecture  
Fundamentals of Programming  
Introduction to Computing  
Programming Challenges

Reasoning for Problem Solving  
Software Engineering and Project Management

### Stage 2

Stage 2 modules build on Stage 1 to include core aspects of Software Engineering such as database design and networking:

Advanced Programming using C# and C++  
Data Structures and Algorithms  
Database Systems  
Networks and Communications  
Professional Practice  
Software Engineering and Group Project

Students taking the Single Honours BEng spend a year on a paid full-time placement. The School has links with over 500 local, national and international employers, eg, BT, Liberty, Asidua, Kainos (Belfast), IBM (England), Microsoft, Sun Microsystems (Dublin), Fujitsu (Japan) and Siemens (Germany), and students are assisted in obtaining placements.

### Stage 3

3D Graphics  
Agile Software Development  
Computer Architecture and Operating Systems  
Concurrent Programming  
Requirements Engineering and Software Quality  
Software Design Principles and Patterns  
Software Engineering Project  
Software Verification and Testing

These advanced modules permit each student to tailor their skills towards one or more areas of software engineering specialism.

### MEng (Stage 4)

This four-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 knowledge and skills and business practice and management. 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. Modules include:

### Stage 4

Advanced Software Design  
Algorithms: Analysis and Applications  
Innovation and Entrepreneurship  
Software Engineering Research Project



## 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.

## Special Features

**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 Asidua, 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 a permanent position on graduation. For further information on these and other scholarships available, see the School website.



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

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 plus GCSE Spanish grade B or evidence of linguistic ability in another language.

**Note:** applicants who have studied AS-level or A-level Spanish would not be eligible for admission to the Beginners' option.

Spanish and Portuguese applicants:

Portuguese is normally offered as a Beginners' programme to students who have demonstrable linguistic ability, but applications from students who have had prior engagement with the language and/or A-level Portuguese at minimum grade B will 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

Contact

Entrance requirements

E: admissions@qub.ac.uk | T: +44 (0)28 9097 3838

Course information

Spanish and Portuguese Studies  
School of Modern Languages  
T: +44 (0)28 9097 5362 | E: spanish@qub.ac.uk  
W: www.qub.ac.uk/ml

"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)

The Subject

Spanish and Portuguese are now two of the world's most important languages.

In certain areas of the USA, Spanish is more widely spoken than English, whilst the Portuguese-speaking countries of Brazil and Angola have been two of the fastest growing world economies in recent years.

These two languages open up new and exciting cultures and job opportunities.

This 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.

Content

Level 1

All students follow language modules, which are of a broadly communicative nature, focusing on contemporary social and cultural issues and drawing on authentic materials.

Portuguese will be a new language for all students and the focus will be on developing excellent written and oral communication skills as well as an awareness of the diversity of the Portuguese language. Students will also be introduced to cultures of the Portuguese-speaking world. In first-year Spanish, students enter one of two streams: Beginners' or post-AS/A-level.

Beginners take an intensive language course, specifically designed to bring them beyond A-level standard within a year.

A/AS-level Spanish students will consolidate their language skills and take a Language for Special Purposes strand, enabling them to develop competence in important employment-related skills.

Students will also take optional modules introducing them to key concepts and historical moments of Iberian and Latin American cultures, literatures and societies.

Levels 2 and 3

These years provide the opportunity to build upon the linguistic skills and cultural awareness developed in Level 1. In both years, students take compulsory core Spanish Language modules, comprising advanced language study and a choice of *cursillos*, or 'mini-modules'.

Students choose *cursillos* based on their pathway and interests, and current topics on offer include intensive language study for ex-beginners (in Level 2), specialist business and legal Spanish modules, as well as modules on a variety of historical, cultural and linguistic topics.

Students also take core Portuguese Language modules and continue with their study of the Lusophone world. In Level 2 the focus is on consolidating students' written and oral Portuguese, and in Level 3, the aim is to bring students to near-native fluency in Portuguese.

Optional modules are designed and taught by internationally-recognised specialists, staff who have a diverse range of research interests, from politics and poetry to film and digital culture.

Modules available may include:

- Brazilian Digital Culture: Trends and Topics
- Encuentros Maravillosos: Exploration and Survival in Latin America
- Representations of Lusophone Africa in Postcolonial Cinema

Special Features

**Study Abroad:** all students must spend a compulsory period of time in a Spanish and a Portuguese-speaking country. Students will usually split their year abroad equally between the two countries.

**Support:** 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 giving feedback.



Careers/Further Study

Studying for a Spanish and Portuguese degree at Queen's will assist students in developing the transferable skills and placement experiences that are valued by employers in a global job market where fluency in more than one language, critical thinking, cross-cultural awareness and communication skills are at a premium. Although many of our graduates are interested in pursuing careers in business, public relations and translation, significant numbers develop careers in a wide range of other sectors (such as education, marketing, publishing and the Civil Service). We regularly consult a large number of employers including Rolls Royce, PricewaterhouseCoopers and Moy Park/Marfrig who are members of the employer liaison panel for the degree.

Graduates can also continue to a Master of Research (MRes) programme which will be tailored to the student's particular interests and will involve a combination of guided study and independent research; see the School website for further information.



## BA Single Honours

Spanish 4 yrs (R410)

## BA Joint Honours

English and Spanish 4 yrs (QR34)

French and Spanish 4 yrs (RR14)

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)

Social Anthropology and Spanish 4 yrs (LR64)

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

See also Spanish and Portuguese Studies

## Entrance Requirements

## Post A-level

**A-level:** ABB including Spanish for Single and Joint Honours except Joint Honours with Social Anthropology for which the target is BBB 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 for Single and Joint Honours except Joint Honours with Social Anthropology for which the target is BBB + GCSE Spanish grade B or evidence of linguistic ability in another language.

**Note:** applicants who have studied AS-level or A-level Spanish would not be eligible for admission to the Beginners' option.

**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)

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk) | T: +44 (0)28 9097 3838

## Course information

Spanish and Portuguese Studies

School of Modern Languages

T: +44 (0)28 9097 5362 | E: [spanish@qub.ac.uk](mailto:spanish@qub.ac.uk)

W: [www.qub.ac.uk/ml](http://www.qub.ac.uk/ml)

## The Subject

Spoken by almost 500 million people worldwide, in over 20 countries, Spanish is the world's second most widely spoken language, spanning every continent across the globe. Spanish is a vibrant and growing subject and as such it is a major vehicle for international commerce and trade, as well as the doorway into a variety of rich and fascinating cultures.

The degrees offered analyse a wide variety of literary, historical, social, cultural and linguistic aspects of Spanish-speaking countries across the globe.

The majority of our students follow a Joint French and Spanish degree pathway.

## Content

All students follow modules in Spanish language which are of a broadly communicative nature, focusing on contemporary social and cultural issues and drawing on authentic materials.

The degrees take 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.

## Level 1

Beginners' students undertake an intensive language course, specifically designed to bring them beyond A-level standard within a year.

Post-A-level and AS-level students will consolidate their language skills and will take a Language for Special Purposes strand, which will enable them to develop competence in important employment-related skills.

Students will also take optional modules introducing them to key concepts and historical moments of Iberian and Latin American culture, literature and society.

## Levels 2 and 3

These provide the opportunity to build upon the linguistic skills and cultural awareness developed in Level 1. In both years, students take a compulsory core module, comprising advanced language study and a *cursillo*, or 'mini-module'.

At Level 2 a *cursillo* prepares students for their year abroad.

At Level 3, students choose *cursillos* based on their pathway and interests. Options include language for professional purposes (Legal Spanish, Business Spanish), or a variety of historical, cultural, linguistic and literary topics.

Optional modules are designed and taught by internationally-recognised specialists, staff who have a diverse range of research interests, from poetry and prose to film and visual art.

Modules available may include:

Disease and Society in Colonial Latin America

Failed Romances of Latin America

Rewriting Love in the Renaissance

## Special Features

**Study Abroad:** all students taking Spanish will spend a compulsory period of residence in either Spain or Latin America. 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.

**Support:** 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

A Spanish degree from Queen's will assist students in developing the core skills and employment-related experiences that are valued by national and international employers and professional organisations, especially in a global job market where fluency in a foreign language, critical thinking, and presentation and communication skills are in demand.

As the 2013 CBI Education and Skills Survey highlights, European languages such as Spanish are still the most sought after by employers across a range of sectors. We regularly consult and develop links with a large number of employers including Santander Bank and the British Council who provide sponsorship for our year abroad placements.

Although the majority of our graduates are interested in careers in business, banking and translation, a significant number also develop careers in a wide range of other sectors such as education, publishing and public relations.

Graduates can also continue to a Master of Research (MRes) programme which will be tailored to the student's particular interests and will involve a combination of guided study and independent research; see the School website for further information.

*"Studying Spanish opened my eyes to the possibilities of working and living abroad. The communication, organisation and language skills developed during my degree are what have provided me with the opportunities I enjoy today."*

Caoimhe Henderson, Northern Ireland  
LLB Common and Civil Law with Hispanic  
Studies Graduate (2013)

Currently Jameson Brand Ambassador  
Buenos Aires, Argentina



## MEng Honours

Structural Engineering with Architecture 4 yrs (H2K1)

Structural Engineering with Architecture with a Year in Industry 5-yr SW (H2KC)

See also Civil Engineering and Environmental and Civil Engineering

## Entrance Requirements

**A-level:** AAB including Mathematics and at least one from Biology, Chemistry, Computing, Geography, ICT, 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:** 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 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 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)

## Contact

## Entrance requirements

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

## Course information

Dr V Sivakumar  
School of Planning, Architecture and Civil Engineering  
T: +44 (0)28 9097 4006  
E: [space@qub.ac.uk](mailto:space@qub.ac.uk)  
W: [www.qub.ac.uk/space](http://www.qub.ac.uk/space)

## The Subject

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.

## 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 urban space and form, architectural design and the application of communications in a professional context is further enhanced.

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 can also develop their knowledge in specialist subjects through their choice of modules and are introduced to building architecture and technologies as well as management and economics. All students also undertake a major individual research project.

## 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.

There is also the opportunity to take part in a week long European site visit linked to the design topics studied.

## Special Features

**Accreditation:** this degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng), see [www.jbm.org.uk](http://www.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 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.



Divinity

Divinity (BD) (Bachelor of) 3 yrs (V600)

Theology

Theology (BTh) (Bachelor of) 3 yrs (V612)

Theology (DipTh) 2 yrs (V670)

BA Joint Honours

Theology and English 3 yrs (QV36)

Theology and History 3 yrs (VV61)

Theology and Philosophy 3 yrs (VV65)

Entrance Requirements

A-level: BBB

All applicants

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

Those returning to education after a break will be considered individually on their own merits.

Note: for entry into any of these courses, you must apply through UCAS in the normal manner if you wish to study full-time; for part-time study you may apply directly to the University.

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)

Contact

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

Institute of Theology

T: +44 (0)28 9097 3612

E: [theology@qub.ac.uk](mailto:theology@qub.ac.uk)

W: [www.qub.ac.uk/ithe](http://www.qub.ac.uk/ithe)

*"Studying Theology at Queen's gives a solid grounding in the discipline within the context of a lively university and welcoming city. Join us!"*

Dr Cynthia Bennett-Brown  
Lecturer in Systematic and Philosophical Theology

The Subject

Theology at Queen's offers students the opportunity to explore the breadth of theological thinking and allows specialisation in themes of particular interest.

Subjects offered include the study of key periods in the history of the Christian church; Biblical exegesis; reflection upon influential modern theologians; and the ways in which theology can inform pastoral work. A wide range of assessment methods including coursework essays, group presentations, learning journals and class-tests enhance student skills so that Theology graduates are equipped for the world of work beyond the University as well as further study.

Theology teaching is carried out by staff from Union Theological College, the theological college affiliated to the Queen's University Institute of Theology. All degrees are non-denominational and do not require any specific outlook on religion.

*"Studying Theology has given me opportunities to examine my beliefs in much greater depth. I've learned from a range of knowledgeable, friendly and helpful lecturers and value having become part of a welcoming community of people who have a variety of beliefs and backgrounds."*

Peter Morris  
Belfast, Northern Ireland  
3rd Year, Theology

*"Apart from providing an opportunity to develop literary, linguistic, historical, philosophical and pastoral skills, studying theology enables students to engage with the perennial 'big' questions of life."*

Dr TD Alexander  
Senior Lecturer in Biblical Studies

Content

BD/BTh/BA

The Bachelor of Divinity (BD) and Bachelor of Theology (BTh) degrees offer concentrated study of the broad foundations of the subject. The former includes the study of Biblical Hebrew and Greek. After Stage 1, a wide range of modules on a variety of theological themes is available to students.

For the BD, study of the biblical languages is compulsory in first and second year; for students on other Theology degrees, the languages are optional.

While the BD and BTh concentrate exclusively on Theology, the BA degree can be taken in combination with English, History or Philosophy

Diploma in Theology

The Diploma (DipTh) is taken over two years (full-time) or three years (part-time), and consists of 12 modules, to be chosen from the following range of theological subject areas:

- Church History
- New Testament
- Old Testament
- Practical Theology
- Systematic Theology

Special Features

Teaching Quality: in the most recent National Student Survey (2015), 96 per cent of Queen's University Theology students said they were satisfied with the teaching on this course.

Career Prospects: in the most recent Unistats report, (2015), 95 per cent of Queen's Theology graduates were in employment or further study within six months of graduation (<http://unistats.direct.gov.uk>.)



Careers/Further Study

Some Theology graduates undertake the life of Christian ministry. Most, however, successfully enter the world of secular employment. 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.

Queen's Theology graduates are to be found in many areas of public service, eg as social and community workers, teachers (primary and secondary), civil servants, lawyers, journalists and media commentators.

Some students wish to pursue their study of the subject further and proceed after graduation to postgraduate study; see the School website for further information.





## BSc Honours

Zoology 3 yrs (C300)

Zoology with Professional Studies 4-yr SW (C301)

MSci Honours *Subject to Approval\**

Zoology 4 yrs (C302)\*

Zoology with Professional Studies 5-yr SW (C305)\*

See also Biochemistry, Biological Sciences, Marine Biology and Microbiology

## 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 + 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 + 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.

## 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)

\*Courses advertised 'subject to approval' have successfully completed the first stage of the approval process. However, the full academic detail is subject to consideration and approval by the University in the second and final stage of the approval process. We welcome applications for these courses.

## Contact

## Entrance requirements

E: [admissions@qub.ac.uk](mailto:admissions@qub.ac.uk)

T: +44 (0)28 9097 3838

## Course information

The School Manager

School of Biological Sciences

T: +44 (0)28 9097 5786

E: [biosciences-ug@qub.ac.uk](mailto:biosciences-ug@qub.ac.uk)W: [www.qub.ac.uk/bb](http://www.qub.ac.uk/bb)

## The Subject

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 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.

## 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.

## Stage 1

Zoology undergraduates study:

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; at this stage students enrolled in Zoology can move into Marine Biology or Biological Sciences.



## Stage 2

Students take the following modules:

Animal Behaviour

Animal Biology and Physiology

Cell Biology 2 OR

Cell Biology 1

Ecology and Evolution

Microbes in Action

Work Placement

## Stage 3

During final year, Zoology students undertake a two-module research project, carried out under the supervision of one or more members of academic staff, and also choose four modules from:

Conservation Biology

Future Oceans

Global Change Biology

Immunology and Virology

Research Project

Parasitology and Zoonoses

The research project generally involves practical work carried out in the field and laboratory or at Queen's University Marine Laboratory in Portaferry, in one of the many active areas of research in the School of Biological Sciences.

## Special Features

**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.

**Placement:** past students have gained work placements with organisations such as the Northern Ireland Environment Agency, Castle Espie, the National Trust, North Atlantic Whale Foundation, Ulster Wildlife Trust, Health Service, Forensic Service, Northern Ireland Water, Norbrook Laboratories, Randox Laboratories, The Almac Group, and Moy Park.

## Careers/Further Study

Zoology graduates are qualified to take up both scientific and non-scientific careers.

Career options 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.

Others 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 graduates in finding 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, skills which we believe a degree in Zoology helps develop in our students.

Many students take higher degrees, either here or abroad, before embarking on a career in medical, agricultural and environmental research.

Graduates can choose from a wide range of Master's programmes at Queen's, as well as a comprehensive list of research topics; see the School website for further information.

*"The Zoology degree at Queen's provides an excellent framework to develop essential field-working, laboratory and statistical skills, and provides a broad range of potential career opportunities, both at home and further afield."*

Christopher McFarland  
Northern Ireland

BSc Zoology Graduate (2014) and recipient of a Society of Biology Award (2014)

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For details on how to apply, please visit  
[www.qub.ac.uk/ado](http://www.qub.ac.uk/ado)

For all up-to-date course information,  
please visit the Course Finder at  
[www.qub.ac.uk/Study/Course-Finder](http://www.qub.ac.uk/Study/Course-Finder)

## Admissions inquiries

Admissions and Access Service, Marketing, Recruitment, Communications and Internationalisation, Queen's University Belfast, Belfast, BT7 1NN, Northern Ireland, UK, t +44 (0)28 9097 3838, f +44 (0)28 9097 5151, [www.qub.ac.uk/ado](http://www.qub.ac.uk/ado)

## General University inquiries

t +44 (0)28 9024 5133

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.

## Production details

**Compiled by:** Marketing, Recruitment, Communications and Internationalisation (MRCI).

With thanks to all Queen's students, staff and graduates who helped with this Prospectus.

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## Disclaimer

The most up-to-date version of this document is available from  
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