



Queen's University
Belfast

Undergraduate Prospectus

2018 Entry

qub.ac.uk

**RUSSELL
GROUP**





As a Queen's student, you will join a university that is truly international. In fact, we have been named the 24th most international university in the world and have students from over 82 countries, helping to create a multicultural and vibrant campus.

Join Us for a Truly International Experience

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

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

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

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

This means that no matter where you come from, you will get the opportunity to have an international experience right here in Belfast - whether that be by meeting and making friends with students from all over the world or by taking the opportunity to travel and explore the world through our extensive study abroad and study tour opportunities. Thanks to our links with more than 250 partner institutions and over 3,000 employers worldwide, hundreds of

our students do just that each year and you could be one of them. So, please take a look at the Prospectus and find out what Queen's and Belfast has to offer. I hope you enjoy reading it and that it helps in your decision to join us. I look forward to welcoming you on campus.



Professor Patrick G Johnston,
President and Vice-Chancellor

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WHY Queen's?

Experience a World-class University

A degree from Queen's is a life-changing opportunity, and Queen's graduates go on to be leaders in their chosen fields internationally.

Our core values of employability and rigorous academic standards underpin all of our undergraduate programmes.

A degree from Queen's is something to be proud of, and we encourage all our undergraduates to experience more. You'll reap the rewards of our links with more than 250 universities around the world. There's much to discover about your place in the world.

Experience Teaching Shaped by the Latest Discoveries

RUSSELL GROUP

As a member of the Russell Group, we are one of the UK's 24 leading research-intensive universities. Our academics are active researchers and their work informs all of our courses, meaning that what you learn is as relevant as it can be. In the most recent Research Excellence Framework in 2014, we are placed joint 8th in the UK for research intensity.

- **Queen's is the ninth oldest university in the UK**

- **Ranked in the top 200 universities in the world**

(QS World University Rankings 2016/17)

- **Queen's ranked 24th in the world for international outlook**

(Times Higher Education, 2016)

- **Queen's is ranked 18th out of UK universities as chosen by UK universities**

(Global Employability University Survey 2015)



"Queen's has an excellent academic reputation. Its students enjoy being taught by world-leading academics. The university has won Queen's Anniversary prizes for further and higher education on six occasions."
The Guardian University Guide



94% OF STUDENTS
IN BELFAST SAID THEY WERE
'VERY HAPPY'
TO BE STUDYING HERE
(Student Living by Sodexo 2016)



RANKED IN TOP 1% OF UNIVERSITIES IN THE WORLD
(QS World University Rankings, 2016/17)

"I chose Queen's because of the level of recognition that Queen's staff have received for their work in their chosen discipline. We are so fortunate to have their skills, knowledge, and expertise."

Bernard Cunningham,
BSc Business Management



13 QUEEN'S SUBJECTS IN THE UK TOP 10

2nd in UK for Celtic Studies

2nd in UK for Dentistry

2nd in UK for Pharmacology and Pharmacy

4th in UK for Accounting and Finance

4th in UK for Creative Writing

4th in UK for Food Science

4th in UK for Town and Country Planning and Landscape

6th in UK for Agriculture and Forestry

6th in UK for Anthropology

7th in UK for Electronic and Electrical Engineering

8th in UK for Iberian Languages

9th in UK for Law

10th in UK for Anatomy and Physiology

Queen's alumni include:

Seamus Heaney, Winner of the Nobel Prize for Literature, 1995

Mary McAleese, President of Ireland, 1997-2011

Professor Frank Pantridge, Inventor of the portable heart defibrillator

Liam Neeson OBE, Actor

John Stewart Bell, Influential 20th-century scientist

World-class FACILITIES

World-class students require leading facilities. We've invested £350m in the last 10 years, with new additions opening all the time.



Computer Science

The new Bernard Crossland Building is the home of Computer Science here at Queen's, recognising the importance of this subject to the University, Northern Ireland and the wider world, and featuring computer labs, project spaces, breakout rooms, a three-floor Student Hub and dedicated postgraduate spaces.

School of Biological Sciences

Spread over five floors, it is designed around a central atrium which acts as a social hub. Facilities for undergraduate study exist alongside postgraduate and research space.

Physics Building

We are giving the School of Mathematics and Physics a new home, creating a single space for you and your teachers, at the heart of our campus.

The Centre will be your hub: a dedicated space for teaching, with new lecture and group-study rooms, a student social area, computer facilities and a state-of-the-art Physics laboratory.

School of Law

The new £20m home of the School of Law exemplifies Queen's commitment to the future-thinking needs of its students. The development is a study and collaboration space – including a Moot Court room and

social hub – under one 21st-century roof, offering students a stunning and effective learning environment.

Institute for Experimental Medicine

The new Wellcome-Wolfson Building (Institute for Experimental Medicine) is located next to the Centre for Cancer Research and Cell Biology (CCRCB) and is designed to enhance its internationally recognised excellence in education and research.

McClay Library

Blending the best features of a traditional library with the latest technology, the McClay Library offers places for quiet study and group work. You'll have access to extensive book and journal collections, reader spaces, computer workstations and group study rooms.

Designed by the same architects who designed the libraries at Yale and Harvard, the award-winning McClay Library is a 'smart' building with an array of green credentials: natural light sensors; automatically-operated windows to decrease electricity consumption; a natural ventilation system; and strategically placed chilled beams cool computer spaces for optimum efficiency.

SUPPORT Services

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

Student Guidance Centre (SGC)

The SGC is the first place to visit for information, support, advice and guidance including:

- Careers Service
- Resilience, Wellbeing and Counselling
- Disability Services
- Student Finance
- International Student Support
- Learning Development Service
- Student Administration IT
- Training and support

We provide an introduction to our virtual learning and email services, and advice and support on how to get the best out of University and personal IT equipment.

go.qub.ac.uk/studentguidance

Support for International Students

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

qub.ac.uk/isso

Resilience, Wellbeing and Counselling

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

go.qub.ac.uk/resilienceandwellbeing

Support for Students with Disabilities

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

go.qub.ac.uk/disability

Students' Union Advice Centre

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

qubsu.org/AdviceSU

Childcare

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

go.qub.ac.uk/childcareservices

Religion

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

go.qub.ac.uk/Religion

University Health Centre at Queen's

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

go.qub.ac.uk/health

Scholarships

Queen's believes in rewarding hard work and excellence.



Each year, we offer a range of scholarships and prizes for new students. For updated information, applicants are advised to visit

go.qub.ac.uk/ug-scholarships

For students enrolling in 2018-19, awards include:

MERIT SCHOLARSHIPS

Queen's University Entrance Scholarships

All students entering the University for the first time to undertake a primary degree, and who have achieved at least three A grades at A-level (including AVCEs), are eligible to enter the University's annual A-level Entrance Scholarship Competition. A number of scholarships are available varying from £600 to £3,000. See go.qub.ac.uk/ug-scholarships for more information. Awards are subject to funding availability.

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

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.

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

Lloyds Scholars

Queen's University has partnered with Lloyds Banking Group to offer this unique programme, supporting young people in their academic and vocational development. The programme offers a complete financial and support package including an annual bursary of £1,000 and additional annual awards based on academic achievement. Applications open on 3 May 2017. For more information please visit lloyds-scholars.com.

SPORT SCHOLARSHIPS

Sports Bursary and Academy Scholarship Awards

Available to current students who have achieved a high standard in their particular sport, these awards include sports science support, free use of facilities, free equipment and financial assistance.

There are over 100 Academy Scholarship places available each year.

Sports Bursaries

go.qub.ac.uk/sports-bursaries

Applications will re-open on 7 August – 13 October 2017.

Academy Scholarships

go.qub.ac.uk/academy-scholarships

Applications will open on 7 August – 13 October 2017.

Elite Athlete Programme

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

Elite Athlete Scholarships

go.qub.ac.uk/elite-athletes

Applications open on Monday 4 September 2017 – Friday 2 March 2018 for 2018-19 entry.

Please note that terms and conditions apply for all our scholarships.

Details are correct at time of print (February 2017). Please see website for further information.

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 encourage you to keep in touch with your alma mater as well as your friends and invite you to connect with other graduates.

Queen's alumni enjoy lasting connections with 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 play an active role with many initiatives offered to help develop professional success. Alumni assist in vital activities including mentoring current students, running branches of our graduate associations worldwide, and providing financial support to enhance the University experience.

Transforming the World

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

Be Proud

Our alumni magazine, *The Graduate*, is sent to your home every year and monthly e-newsletters keep you connected with the very latest news and 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
w: qub.ac.uk/alumni

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 9. Please visit: qub.ac.uk/TuitionFees

Queen's works to ensure that all those who can benefit from a university education have the chance to do so, and a generous system of financial support is in place to help them. Higher education funding arrangements mean that students can study now and pay later. Student fees can become part of a loan, available from the Student Loans Company (SLC) (slc.co.uk), which will be paid back when they are working and earning more than a certain amount. For current thresholds, please refer to: slc.co.uk

The tuition fees for undergraduate students, enrolling at Queen's in 2017-18, are set out below.

Students who normally live in Northern Ireland (NI students)
Full-time undergraduate: £4,030*

Students who normally live in England, Scotland and Wales (GB students)
Full-time undergraduate: £9,250**

Students who normally live in the Republic of Ireland and other non-UK European countries (EU students)
Full-time undergraduate: £4,030*

The tuition fees for undergraduate students enrolling for the first time at Queen's in 2018-19, will be based on 2017-18 levels, normally increased by inflation and subject to any changes in relevant legislation.

*Subject to legislation being approved by Government.

**Subject to legislation being approved by Government, the GB fee for new entrants in 2017-18 will increase to £9,250. If this legislation is not passed, the fee will remain at £9,000.

For further details on residency please visit: qub.ac.uk/TuitionFees

Tuition Fee Payment Options

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

- Defer direct payment of fees by applying for a tuition fee loan from the SLC
- Sign up to a Direct Debit and make a minimum 25 per cent payment at enrolment, followed by three monthly payments, in November 2018, January and March 2019
- Pay the full tuition fee on enrolment, or
- A combination of fee loan and payment. In such circumstances the payment can be made by Direct Debit.

Please note that 25 per cent of the tuition fee liability, due at enrolment, is non-refundable. For full details of the University's Withdrawal Policy please visit: qub.ac.uk/TuitionFees

Applying for Tuition Fee Loans and Support

Eligible students, who first enrol in September 2018, can defer their fees by applying for a fee loan. Those who wish to take out a loan should complete the PN1 application online – for details please refer to the websites below. A single application is made for a tuition fee loan, maintenance loan and government grant. The household income details submitted will also be used in the assessment of a student's eligibility for a University bursary. Students are encouraged to apply as soon as possible to ensure that they are aware of their entitlement to financial support before starting their course. For further information, please contact the relevant authority, as outlined:

Students from Northern Ireland

studentfinancenl.co.uk

Students from England

gov.uk/student-finance

Students from Scotland

saas.gov.uk

Students from Wales

studentfinancewales.co.uk

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

Paying Full Fees at Enrolment

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

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

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.

Further Information

Details above are correct at time of print (February 2017). Regular updates on tuition fees will be provided on the University website and direct to applicants.

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

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

International FEES and LIVING COSTS

The tuition fee rates for non-EU students for the academic year 2017-18 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.

Fees – Full-time Undergraduate Courses 2017/18:*

Classroom-based courses:
£15,100 (US \$18,920)

Courses with a laboratory or workshop component:
£18,800 (US \$23,550)

Medicine:
Pre-clinical years:
£19,000 (US \$23,800)

Clinical years:
£35,900 (US \$44,975)

Dentistry:
£29,140 (US \$36,510)

This fee is chargeable each year of the five-year BDS degree.

Study Abroad:
£6,795 (US \$8,512) per semester
* Approximate equivalencies are shown at the following rate (15 December 2016): US\$1.253 = £1

Tuition fee rates for 2018-19 had not been agreed at the time of publication. When these have been agreed they will be available at go.qub.ac.uk/INTtuitionfees

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 2018, January and March 2019. The Direct Debit scheme is only available to those who have a current account with a UK bank, which is registered for the Direct Debit scheme

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 go.qub.ac.uk/INTtuitionfees

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.



NORTHERN IRELAND

Small place,
Big heart

A place of rugged beauty; of craggy castles and golden beaches. A place where foggy drumlins swaddle village and town and lush forests beg to be explored. Our friendly people make it what it is.

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.

The Dark Hedges

This twisting avenue of light and shade is now one of Northern Ireland's most photographed natural phenomena, and doubles as the King's Road in *Game of Thrones*.

There are many reasons Northern Ireland is one of the world's best-kept secrets. Today, visitors from the four corners of the globe are wowed by what they find:

Right on YOUR DOORSTEP



Travel to the Dawn of Time

The dramatic north coast makes for an incredible road trip.

Drive the spectacular Antrim Coast Road to the Giant's Causeway, a UNESCO World Heritage Site. Terrify yourself crossing the Carrick-a-Rede rope bridge and take to the surf in the north Atlantic.

Climb to the Top of the World

An Area of Outstanding Natural Beauty, the Mourne Mountains are home to our tallest peak, Slieve Donard. Take a day to scale the heights and survey the beauty of County Down laid out beneath you. Follow the 22-mile long Mourne Wall, featured in *Game of Thrones*.

Northern Ireland's City of Culture

Take the train to the walled city of Derry~Londonderry, the inaugural UK City of Culture in 2013. It's a city of beautiful architecture, steeped in five centuries of rich history, with a tangible, youthful buzz.

The journey itself is breathtaking, past waterfalls, through the hillside underneath Mussenden Temple, along golden beaches and past the benevolent gaze of the Binevenagh Mountain. The two railway-loving Michaels, Palin and Portillo, have each raved about this trip, with the former describing it as one of the world's most beautiful railway journeys.

Further Information

Have we whetted your appetite? Visit discovernorthernireland.com to explore more of your new home.



Getting HERE

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

Sea

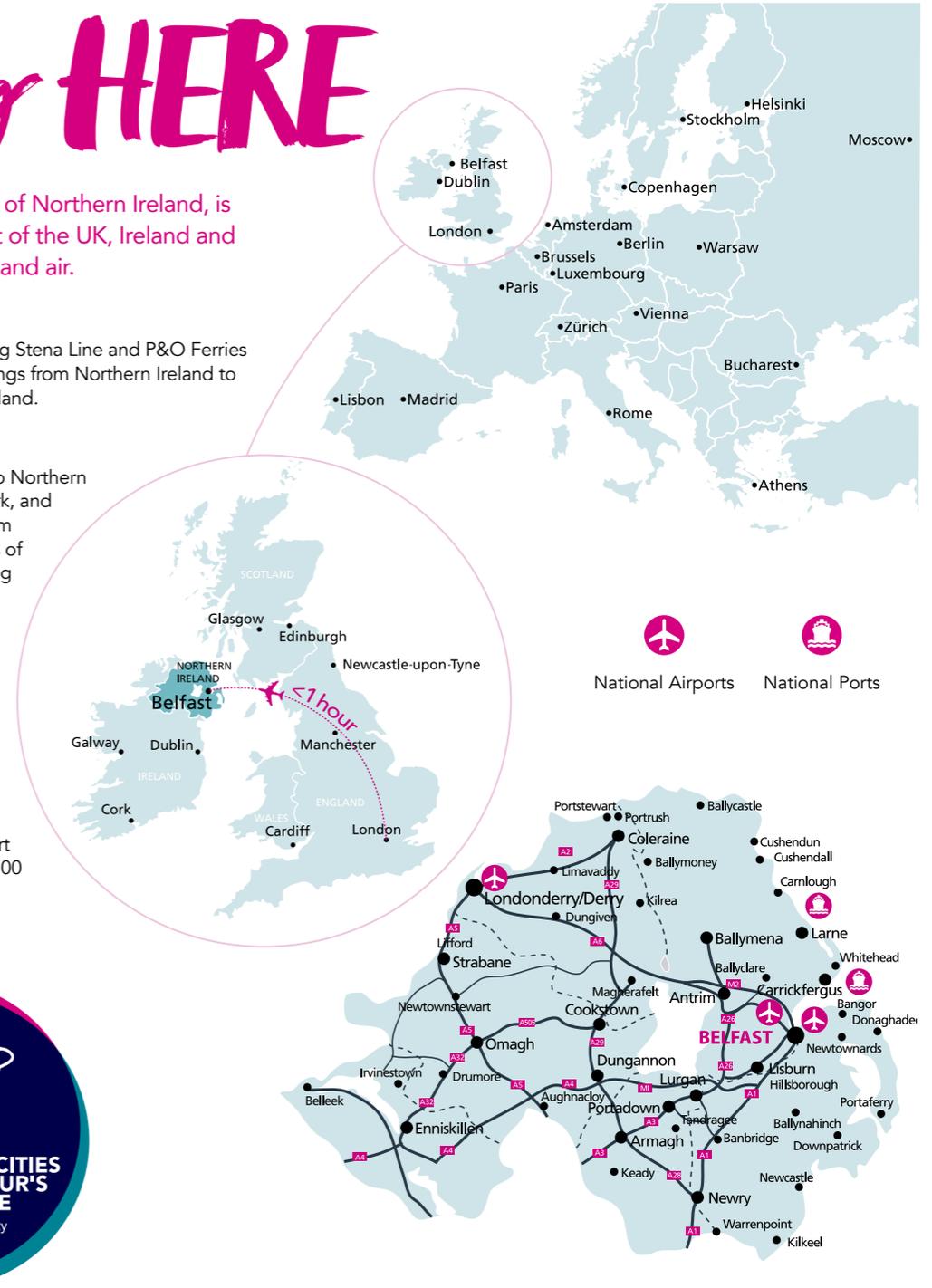
Fast ferry services including Stena Line and P&O Ferries make multiple daily crossings from Northern Ireland to ports in Scotland and England.

Road

Queen's is located close to Northern Ireland's motorway network, and the campus is reached from the city centre. View maps of Belfast and the surrounding area.

Air

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



Belfast

A capital with a culture of its own. Enjoy everyday living among some of the friendliest folk in the world. Immerse yourself in the best of contemporary clubs, cuisine, culture and arts.

"I love the atmosphere and the beautiful architecture found in Belfast. It is a great city for students!"

Kyla Holland,
LLB Common and Civil
Law with Hispanic Studies



What is BELFAST FAMOUS for?

Having the warmest of welcomes, of course. In Belfast a stranger is just a friend you haven't met yet. So pull up a chair and join us for a traditional music session, immerse yourself in the bustle of Culture Night, chat to traders at St George's Market.

We can't wait to welcome you to a city with real personality.



On the Scene

"New York had the haircuts, London had the trousers, Belfast had the reason" – so said *Good Vibrations*, the film immortalising Belfast's punk scene. From open mics to open arenas, there's something for everyone. We've even hosted the MTV Europe Awards in 2011.



On the Go

"In Belfast everything is so close together – within walking distance of my accommodation." Meg Walton, BSc Business Management, Canterbury

Belfast is a compact city and easily explored on foot or by bike. If you don't have two-wheeled transport of your own, grab a Belfast Bike from the Queen's campus – you can drop it off later at any number of bays around the city.

Belfast is the gateway to the rest of Northern Ireland and beyond – via train, bus, or road. From coastline to mountain, adventure awaits you.

On the Money

Belfast has the lowest cost of living (Mercer 2016) – 28 per cent lower than in London (Numbeo 2015) – and the lowest student rent (NatWest Student Living Index 2016) of any city in the UK. More pennies and pounds in your pocket, to enjoy the city.

On Screen

Northern Ireland has become internationally renowned as a film location, most famously for HBO's *Game of Thrones* which is filmed against our breathtaking backdrops, and at Titanic Studios in Belfast. Watch out – you might become an extra!



TITANIC BELFAST VOTED BEST VISITOR ATTRACTION IN EUROPE (2016 EUROPE GROUP TRAVEL AWARDS)

Retail Therapy

The city centre has all you'd expect in a capital city. Shopping complexes sit alongside designer boutiques and local markets. Victoria Square, with its striking glass dome, is home to House of Fraser, Belfast's Apple store, Topshop, Hollister, Superdry, Ted Baker and many others, in a stunning semi-open space.



Food for Thought

"Food-lovers are in a wealth of choice when it comes to restaurants in Belfast, with places to suit every budget." (World Travel Guide)

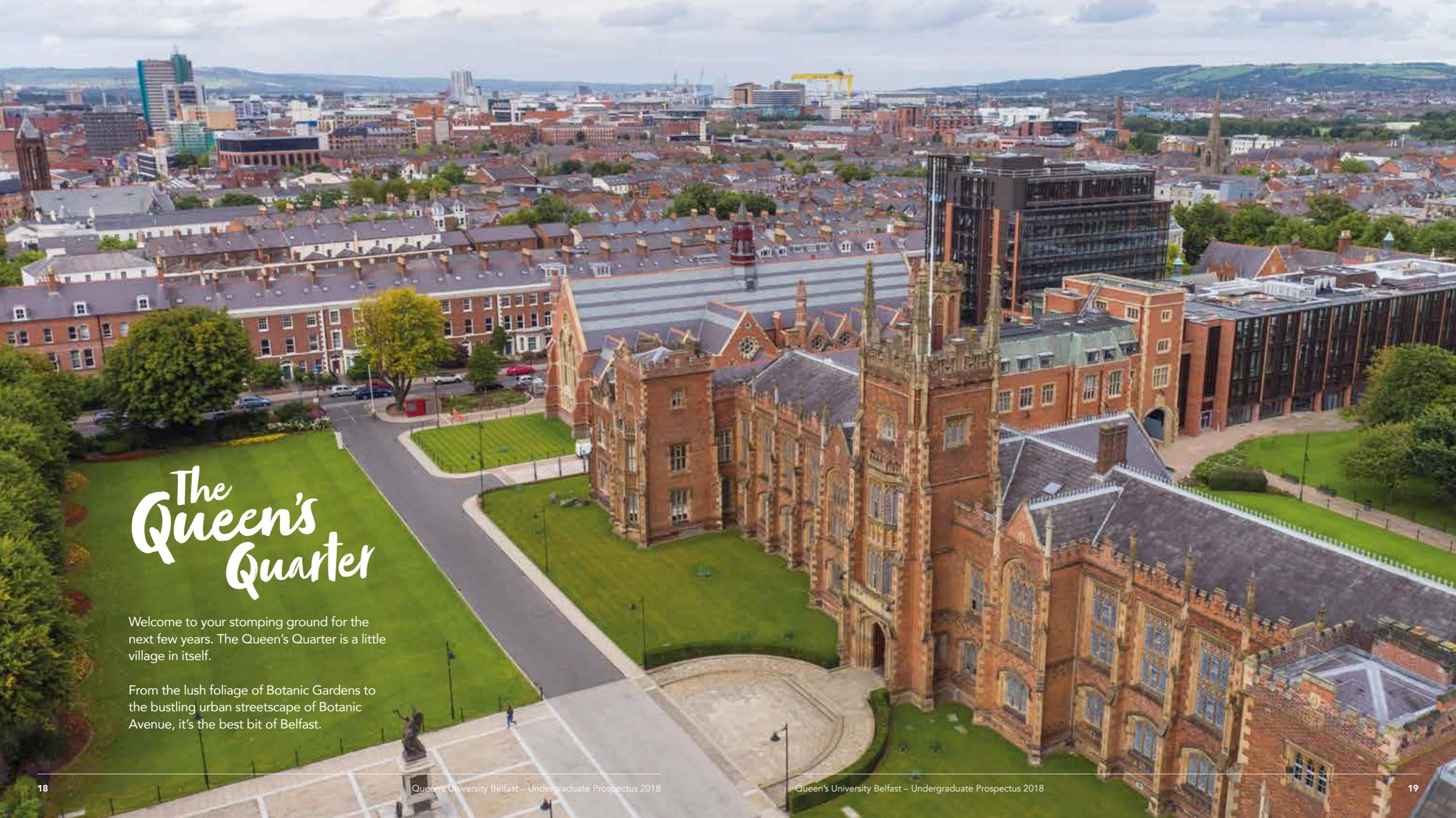
Food is a big deal in Belfast. We swear by the Ulster Fry. It's the meal that made us. But we have lots of strings to our culinary bow. We are proud of our produce and you can sample it all over the city.

Further Information

Find out more about Belfast at: visitbelfast.com

24 Hours in Belfast

- Breakfast on a Belfast Bap at St George's Market
- Survey your new home at Victoria Square Dome
- Pedal your way around on a Belfast Bike
- Go back in time at Titanic Belfast
- Get the lowdown with a Black Taxi Tour
- Sample the best of Belfast's nightlife in the cobblestones of the Cathedral Quarter

An aerial photograph of the Queen's University Belfast campus. The central focus is the historic, ornate Gothic-style building with a prominent tower. To its right is a modern, multi-story building with a dark facade. The campus is surrounded by green lawns and trees. In the background, the dense urban landscape of Belfast is visible, including residential buildings and industrial structures under a cloudy sky.

The Queen's Quarter

Welcome to your stomping ground for the next few years. The Queen's Quarter is a little village in itself.

From the lush foliage of Botanic Gardens to the bustling urban streetscape of Botanic Avenue, it's the best bit of Belfast.

Around the University

We aren't just here to provide degrees and conduct research. We're a big part of Belfast's cultural fabric.

Queen's Welcome Centre

Situated inside the world-famous Lanyon Building, the Welcome Centre is a Northern Ireland Tourist Board Information Office offering directions to specific areas of the campus as well as advice on what's on in Belfast and beyond. The Centre also stocks a wide range of Queen's memorabilia and gifts, as well as hosts exhibitions, events and guided tours of the University. Visit: whatsonatqueens.com



Arts at Queen's

We've got the Naughton Gallery, the Seamus Heaney Centre for Poetry, and the Brian Friel Centre for Theatre Research, as well as recitals in the Harty Room.

Queen's Film Theatre (QFT)

Literally a hidden gem, the QFT is nestled behind the Georgian façade of 20 University Square. Presenting the best in classic and new world cinema, in an intimate space, it's a unique cultural venue.

Stranmillis

Worth the Climb

If Botanic is bustling, Stranmillis is serene.

The Lyric Theatre

The only full-time producing theatre in Belfast, it captures the complicated essence of local life and feature world-renowned actors, including current patron Liam Neeson.

If watching board-treading isn't your thing, the coffee shop is worth the visit alone, with a superb panoramic view over the River Lagan laid out below you.



Wander and Ponder at the Ulster Museum

Home to historical artefacts, relics, works of art, photographic exhibitions, wonders of nature, items of local and Irish interest and of course an Egyptian mummy, Takabuti.

Open spaces

The Queen's Quarter of the city is full of, and surrounded by, open spaces and parks.

Botanic Gardens

A riot of colour and activity in the summer, a calming walk in the winter, and a focal point all year round, the Botanic Gardens have been giving us Belfast folk somewhere to chill for nearly two hundred years.

The Towpath

Head down Stranmillis Road to Lockview Road. Keep going and you'll find the towpath that runs along the River Lagan to Lisburn, past forest and fen that make you wonder if you're near a city at all.

Botanic Avenue

Belfast's Shoreditch

Forget London E1 – Belfast BT7 is one of the most ethnically-diverse, culturally rich parts of Northern Ireland.

No Alibis

As the name attests, a bookshop devoted to crime writing, as well as American literature. But as a Belfast stalwart, it also hosts regular book readings and literary events outside the crime arena.

The World's Cuisine on One Street

Brick Lane? Pah. In the space of 400 metres, you can sample food from Japan, Korea, Nepal, China, the Middle East, India, Italy, Mexico and...of course, Northern Ireland.

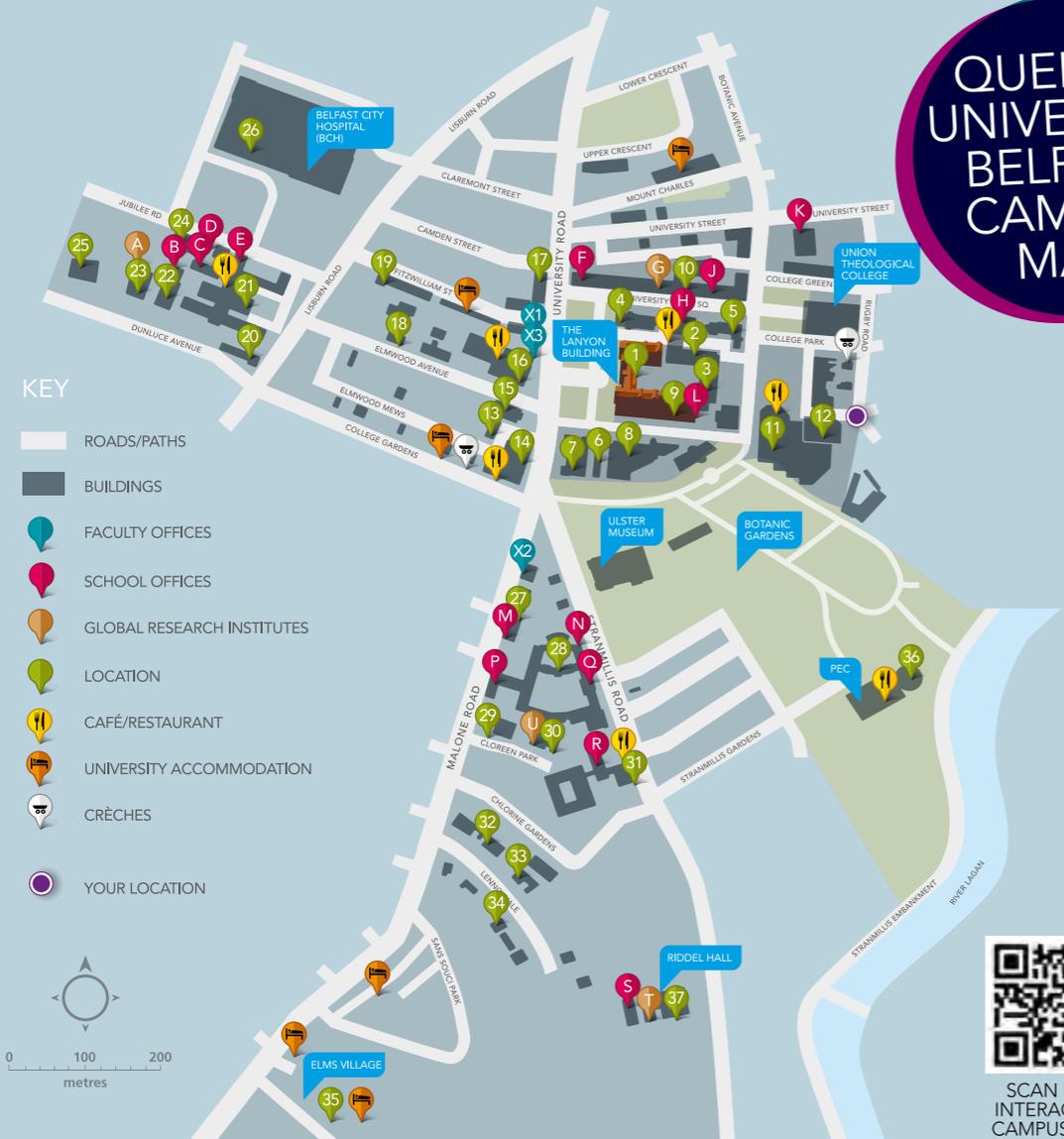
BELFAST CITY MAP



"Belfast is a great place to live and has a lot of options for when you need a break from studying, whether it's shopping, going to the gym or grabbing a coffee."

Erin Bennett, BEng Civil Engineering with a Year in Industry

QUEEN'S UNIVERSITY BELFAST CAMPUS MAP



FACULTY OFFICES

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

SCHOOL OFFICES

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

GLOBAL RESEARCH INSTITUTES

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

Communications and Information
 Technology (**Titanic Quarter**)
 The Institute of Health Sciences

LOCATION

Academic and Student Affairs
 Administration Building
 Ashby Building
 Canada Room/Council Chamber
 Careers, Employability and Skills
 Centre for Cancer Research and
 Cell Biology (CCRCB)
 Chrono Centre
 Clinical Research Facility
 Computer Science
 Counselling Service
 David Bates Building
 David Keir Building
 Development and Alumni Relations
 Disability Services
 Drama and Film Centre at Queen's
 Dunluce Health Centre
 Elms Village
 Elmwood Building
 Elmwood Hall
 Estates
 Finance
 Graduate School
 Great Hall
 Harty Room
 Health Sciences Building
 Human Resources
 Information Services
 Institute of Professional Legal
 Studies (IPLS)
 International Office

INTO Queen's	32
Jobshop	14
Lanyon Building	1
Main Site Tower	2
Marketing, Recruitment, Communications and Internationalisation	1
McClay Research Centre	24
Medical Biology Centre (MBC)	21
Naughton Gallery at Queen's	1
New Physics Building	8
Northern Ireland Technology Centre (NITC)	30
Occupational Health and Safety Services	34
Old Physics Building	9
Peter Froggatt Centre (PFC)	2
Pharmacy Building	24
Physical Education Centre (PEC)	36
Queen's Film Theatre (QFT)	10
Registrar and Chief Operating Officer	1
Research and Enterprise	17
Riddel Hall	37
Sonic Arts Research Centre (SARC)	29
South Dining Hall	6
Student Guidance Centre	14
Student Plus	1
Students' Union	16
The McClay Library	11
University Health Centre	13
Vice-Chancellor's Office	1
Welcome Centre	1
Whitla Hall	7
Whitla Medical Building	22
Wellcome-Wolfson Institute for Experimental Medicine	23





We're a
**GLOBAL
UNIVERSITY**

Over 23,000 students live and study at Queen's. Of those, more than 1,900 are from over 82 countries; including Malaysia, China, the Indias, the Middle East and the United States. We also employ more than 600 international staff drawn from over 70 nationalities.

Queen's University Belfast: Where People Come Together

Our cosmopolitan atmosphere is reflected in the area around the University, known as 'the Queen's Quarter'. It is one of the most ethnically-diverse, culturally rich parts of Northern Ireland.

We are regularly privileged to host cultural events on campus – such as an Indonesian Culture Show and the Chinese New Year celebrations.

Everyday Living

Belfast is a safe place to live; religiously diverse and tolerant.

A Diverse Community

Northern Ireland has always been a melting pot of cultures, a place where people have come to set up new lives and enjoy new opportunities.

Queen's is proud to play a key role in the internationalisation of Northern Ireland. Belfast is a socially-diverse and inclusive city, and caters for students of all faiths.

Queen's has chaplains for 12 religious denominations, including Catholic, Presbyterian and Muslim, and students can avail of the campus wellbeing room and prayer facilities for quiet space.

Food

Whether cooking for yourself, or eating out, all international tastes are catered for; with supermarkets, halal grocers and restaurants such as the Asia Supermarket, the Bangla

Bazaar, halal butchers and Polski Sklep within 10 minutes' walk of Queen's campus.

Most restaurants and shops near Queen's offer student discounts.

Our Students' Union helps new arrivals to feel part of campus life. Over 200 student clubs, including our international societies, are a great way to meet friends, discover new talents, and get a break from studying. They include:

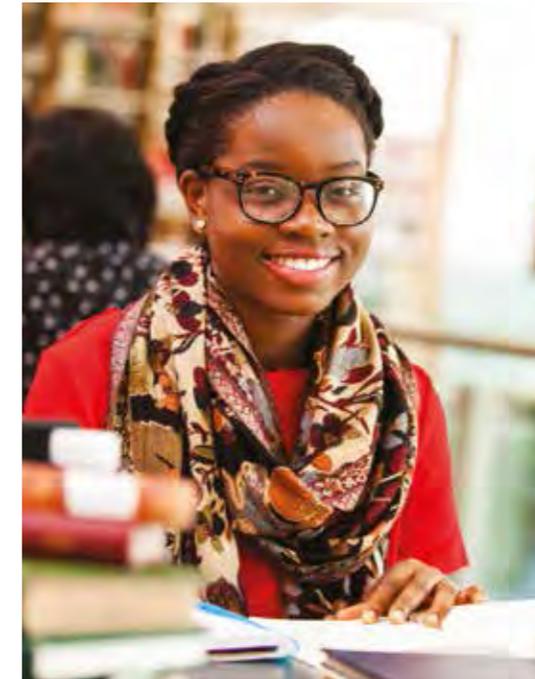
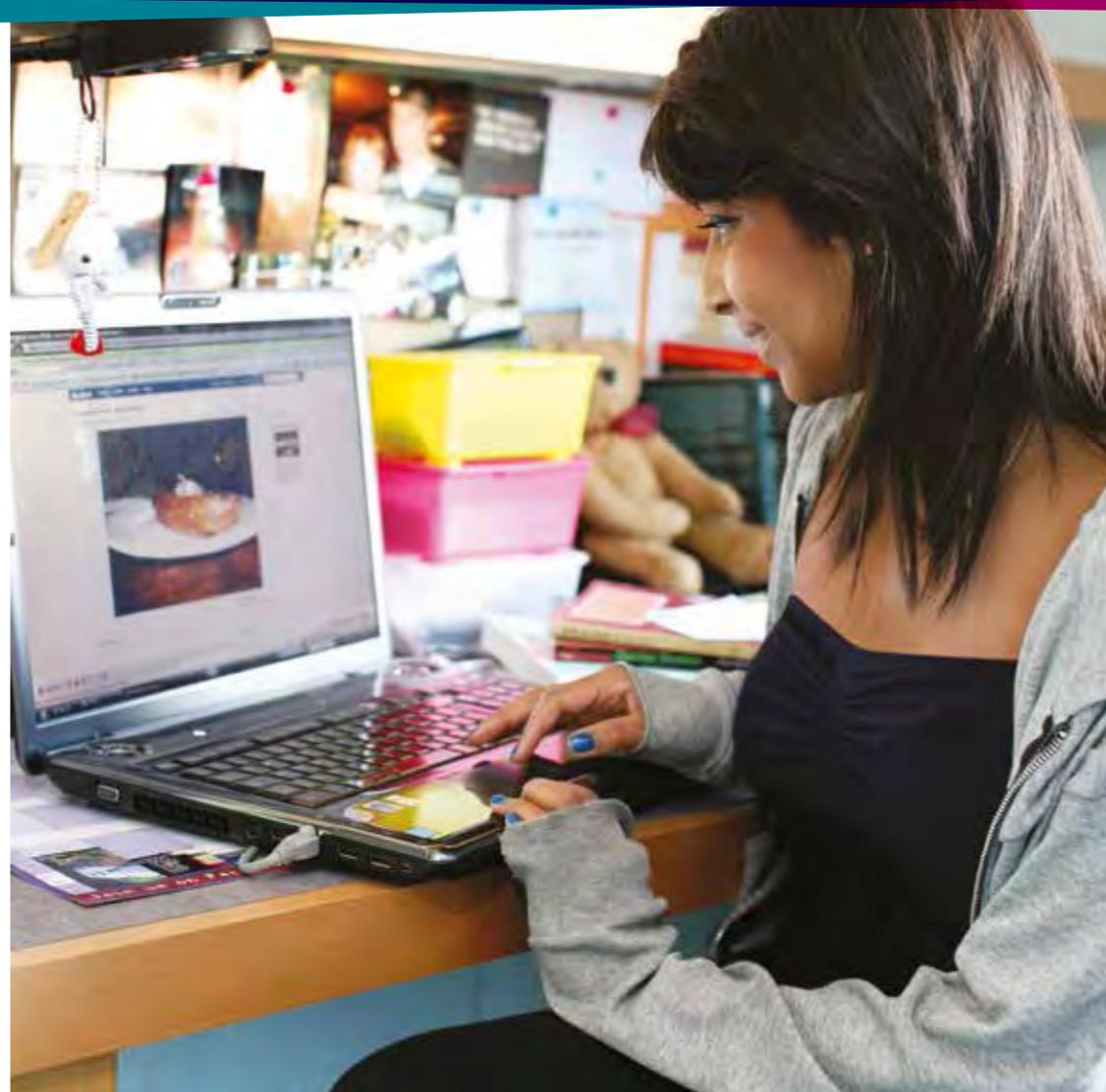
- African and Caribbean Society
- Chinese Students Association
- Indonesian Society
- Islamic Society
- Korean Society
- Malaysian Students Society Northern Ireland
- Saudi Society
- Singaporeans
- South Asian Students Society

Did You Know?

We're getting more and more international. Northern Ireland's ethnic minority population doubled in the 10 years from 2001 to 2011. (Office for National Statistics)

"Looking back on my time at Queen's, one of the most interesting aspects of my experience was the intersection of cultures. I was able to learn from – and alongside – students from all around the world."

Whitney Wall-Bortz, California, USA, PhD Education



FACT

Every International Student is guaranteed a place in Queen's University accommodation

Accommodation

International student accommodation at Queen's boasts an array of accommodation living options, including same-sex living, no alcohol living and quiet-living. These allow for students to choose the environment and company which suits them best. Safety is a priority at Queen's, with accommodation staff on call 24/7.

For more information go to pages 40-41.



"Not only does Queen's provide great academic resources, but also a unique, human environment."

Claire Zhao, China

“Through the University’s student societies, I have made many local friends from across Northern Ireland and the UK, who help with my English development and invite me along to social events.”

Liu Siu Ha, Hong Kong,
BSc Business Management



Our Network of Expertise

Our researchers collaborate with more than 250 universities around the world and have links with over 3,000 global employers in regions such as:

- China
- South East Asia
- Middle East and Africa
- The Americas
- India

Professional Development opportunities include:

- Placements
- Internships
- Work experience
- Volunteering
- Exchanges
- Accreditation through Degree Plus see page 34.
- Scholarships and bursaries see page 30.

“Most of the lecturers on my course have close links to industry, which means you’re learning what employers are searching for in a graduate.”

Ian Antonio Lee, Malaysia,
MEng Mechanical Engineering



Study Abroad

Queen’s is a hub for expanding your study horizons. You can take a semester or a year at one of the many universities across the world Queen’s partners with. See pages 34-37.

- Queen’s is an international university ranked in the world’s top 200 universities (QS World University Rankings, 2016/17)
- First in the Russell Group for International Students’ overall learning experience
- Queen’s is ranked 24th in the world for International Outlook (Times Higher Education, 2016)



INTERNATIONAL STUDENT SUPPORT

Welcome and Orientation Programme

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

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

Immigration/Visa Information

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

The International Student Support team are here to help you with questions about visas and help you through the process.

Full guidance can be found at: qub.ac.uk/isso or by emailing iss@qub.ac.uk

KEY CONTACTS

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

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

Academic Technology Approval Scheme – ATAS (Non EU/EEA applicants)

Non EU/EEA applicants who intend to undertake an Enhanced Undergraduate degree programme (MEng or MSci) in Science, Engineering or Technology disciplines including Materials Science, Materials Technology, Chemical, Process and Energy Engineering, Aerospace Engineering, Mechanical Engineering or Physics are required to obtain an ATAS Certificate. This is a requirement for most immigration categories, even those who do not require a Tier 4 visa, but who may have been granted another form of time-limited leave to remain, eg, as a dependant, family member, or refugee. The only exception is for applicants holding Indefinite Leave to Enter/Remain or other form of unlimited leave.

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

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

International SCHOLARSHIPS

Over £1.5m of International Scholarships available

We believe in rewarding hard work and excellence. Each year, the University announces over £1.5m worth of scholarships for talented, fee-paying international students, enabling you to achieve your academic ambitions. See go.qub.ac.uk/int-schol to see how we could help you on your journey.

Award	Eligibility	Amount	Application
International Office Undergraduate Scholarship	All new International Students enrolling onto a full-time undergraduate programme (Some exclusions apply)	Year one award of £2,500 (fee rate 1) or £3,000 (fee rate 2) (Including advanced entry into Year 2 or Year 3)	No application necessary
Vice-Chancellor's International Attainment Scholarship – Undergraduate	Two new International Students enrolling on a full-time undergraduate programme Exclusions apply, select for more information.	Full tuition fees paid for all years of programme, up to a maximum of four years. (Including advanced entry into Year 2 or Year 3)	Application necessary
Queen's Loyalty Scholarship	For Exchange and Study Abroad students returning to study on a full-time undergraduate programme at Queen's University Belfast Exclusions apply, select for more information.	20% tuition fee reduction on year 1	Application necessary for the purpose of verifying previous programme of study.
Early Bird Reward	All new International Students starting onto a full-time degree programme, who hold an unconditional offer, and who pay fees in full, by 30 June 2017 (Some exclusions apply)	10% discount on gross fees – may be used in conjunction with other scholarships	No application necessary, automatically awarded to those who meet the criteria

See go.qub.ac.uk/int-schol to see how we could help you on your journey.



"I chose Queen's because of its high standard of education. Queen's is well-known for carrying out research that makes a positive impact on many people's lives."

Oiza Gloria Otori, Nigeria, BSc Biomedical Science



INTO at Queen's

INTO

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

Academic and English Language Preparation for University

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

INTO English Language Courses

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

INTO Academic Preparation Programmes

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

Scholarships

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

See go.qub.ac.uk/INTO-scholarships for more details and how to apply

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

International Foundation

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

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

International Year One

The International Year One programme, leading to the award of International Diploma, is equivalent to the first year of a UK undergraduate degree.

There are three pathways available:

- Accounting
- Engineering
- Management and Finance

Graduate Diploma

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

The pathways are:

- Finance
- Management

"The teaching methodology and the rigour with which the academics want the students to learn are great strengths."

Anshu Valecha, India, MSc Educational Leadership

How to Apply

You may apply for an academic or English language programme by submitting a direct application form online at: intohigher.com/regional-selector.aspx

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

A person with their back to the camera, wearing a tan coat and blue jeans, stands on a grassy hill overlooking a city at sunset. The sky is filled with warm, golden light, and the city below is bathed in the same glow. The person's hair is tied up, and they appear to be looking out over the horizon.

"My time at Queen's has allowed me to become more independent and to think for myself, which in my opinion will give me confidence in any future career."

Niamh Kennedy,
BA English and French

TOGETHER
we will enable your
FUTURE CAREER

Our Careers, Employability and Skills team will provide you with the information, advice and guidance to help you make informed decisions about your career choices; take steps to realise your goals and develop your capacity to manage your career.

OUR TEAM ARE HERE FOR YOU

We can help you plan to develop your employability throughout your time at Queen's and beyond.

Our team includes professionally qualified careers consultants, employer engagement staff and an Exchange and Study Abroad team.

We can support you in making career decisions and help you take advantage of opportunities including studying abroad, work experience and graduate jobs.

We also give you opportunities to stretch your ambitions by meeting employers and participating in career development programmes.



MyFuture is a career management system that allows you to search jobs and book events or an appointment with one of our Career Consultants. Even better, you can keep using it for up to two years after you've graduated.



FACT

Students and recent graduates have access to five Career Consultations per academic year.

Our Team Enable You To:

- Make informed career decisions
- Develop your skills and confidence to compete in the graduate job market
- Refine your job search skills
- Add an international dimension to your experience through study and work abroad
- Submit quality applications
- Impress at interviews and assessment centres
- Network with potential employers and alumni

FACT

94% of Queen's graduates are in employment or further study 6 months after graduation (HESA Destination of Leavers from Higher Education Survey, 2014/15)



FACT

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.

Invaluable Career Experience with Degree Plus

Degree Plus allows you to gain accreditation for work-related activities that you undertake outside of your degree.

The award is supported by employers who recognise the value of extracurricular experience. Over 1,000 students graduate with Degree Plus every year.



FACT

30-minute Career Consultations are available every day at the Student Guidance Centre for current students and graduates for up to two years after graduation.

Examples of Queen's Career Development programmes which contribute towards Degree Plus accreditation

- Workplace Study Tours
- Insight into Management
- City Scholarship programme
- MEDIA Programme
- Get Employment Ready Award

Links with Employers

Through our specialist Employer Engagement team, we've built up links with some of the country's biggest employers and have a Gold all-Ireland Employability award for our Workplace Study Tours. This means you can benefit from work we've done for you. We work to communicate your value to your future employers. You could get to meet potential employers in places like London and Brussels.

Internships

Many employers hire graduates that they already know. Internships place you with an employer. It's the best way to gain insight into how the world of work and business operates. Some internships are part of vocational courses. Some, like our Graduate Internship Programme, support new graduates in gaining paid, graduate level employment.

Workplace Study Tours

Our workplace study tours are ahead of the game.

We pioneered these several years ago and continually develop them to provide excellent opportunities for students to engage with employers and showcase their talent.

Each group visits around 10 graduate employers over the course of a tour. They engage in a range of business games, case studies and related exercises reflecting recruitment selection practices. They gain valuable networking opportunities; make connections with recent graduate employees, Queen's alumni and senior professionals; they develop commercial awareness.

Our Tours:

- Belfast and Dublin
- Brussels Tour
- London Finance and Business Tour
- London Law Tour

10 tips for exploring your career options. Visit go.qub.ac.uk/ten-career-tips for more

Further information

- Careers, Employability and Skills qub.ac.uk/careers
- Degree Plus qub.ac.uk/degreeplus
- Internationalise your Study go.qub.ac.uk/goglobal
- Employability go.qub.ac.uk/employability

Enterprise and Entrepreneurship

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

Our exclusive mentoring scheme connects with high-level CEOs around the world - New York, Paris and London.

FACT

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

INTERNATIONALISE YOUR QUEEN'S EXPERIENCE

Every year over 700 Queen's students take the opportunity to go outside Northern Ireland to study or gain work-related experience. Nothing is more rewarding. Whilst overseas you'll load up on confidence and independence. You'll experience the colour of life elsewhere. You'll enrich your own journey.

Queen's encourages students to take advantage of a period of study at an overseas university or an international work placement as part of their degree. Some degrees (especially those with a language element) include a compulsory year abroad. These are generally four-year courses, during which you will spend a year either studying at a partner university or on work placement with an employer. Many other degrees offer the option of participating in a study exchange scheme for one or two semesters, usually in your second year. The 'semester abroad' option will allow you to graduate within the usual three years. There are also lots of summer options available, when a longer period abroad is not possible.



Where Can I Go?

Our most popular international scheme is the European Erasmus Programme*, which celebrates its 30th anniversary in 2017. The scheme enables students to spend part of their degree studying or working in another European country. Queen's also has a growing range of options outside of Europe, including programmes in Australia, Canada, China, India and the USA.

The Careers, Employability and Skills service or your School can help you to research your options.

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. Please visit: go.qub.ac.uk/langcent

What about Funding?

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

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.

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

Further Information

For more information about international opportunities:
e: goglobal@qub.ac.uk
w: go.qub.ac.uk/goglobal

Study Abroad

Studying at Queen's doesn't just mean studying in Belfast... where could you end up?



Marianne, Yosemite National Park



Nicole, Madrid



Aoife, Brussels



Aimee, Mont Blanc, Chamonix



Marianne, Chicago



Dylan, Gibraltar

FACT

12,709 students taking part in employability-focused activities

Queen's Accommodation

Your home
from home

Offering a style of living reflecting the transition from home to university life. Our safe, modern accommodation also offers 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.

Elms Village

Our dedicated accommodation for first-year undergraduate students, Elms Village gives you a safe and secure new home in Belfast and great opportunities to make new friends from all over the world. The Treehouse social space is at the heart of Elms Village, where you can find the Residential Life coffee bar open each evening, study space, a shop, a laundry and an ATM.

Elms Village is a well-chosen name: it has a chilled-out community atmosphere just a 10-minute walk from the main campus and Students' Union, and is situated just off the leafy Malone Road.

University is about more than academic achievement – it offers excellent opportunities to become involved in new activities. The Residential Life Team organises a weekly programme of social events and outings. Events are held in the Treehouse and at other venues across the campus and are open to all students at Queen's.

Trips are arranged to visitor attractions all over Northern Ireland as well as regular events within Belfast, like the weekend markets, Belfast Giants ice hockey games and shopping trips.

Belfast City Centre Accommodation

We're happy to say that our student body is getting bigger, and to meet the need for accommodation we have created two exciting living spaces in the heart of Belfast. Two new student-living hubs – one in McClintock Street and the other in College Avenue – provide a total of over 1,200 rooms just a 15-minute walk from the main campus.

Willow Walk

Willow Walk is purpose-built student accommodation and is located on the fringe of Elms Village.

An enclosed development, the accommodation offers a mix of studio, one, two, three, and four-bedroom apartments, each with their own front door.

The apartments are modern and spacious and face onto a landscaped garden and there is a common room, luggage and bicycle stores and a barbecue area.

Queen's Houses

If you prefer a more independent way of living, but with the peace of mind of having support only a phone call away, Queen's houses, peppered around the Queen's Quarter, are the perfect alternative.

Ranked in the TOP 10 for university accommodation

(The Telegraph's Best Student Accommodation UK Survey and the National Student Housing Survey 2015-16)



Families/Dependants

The University has limited 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.

Local Private Landlord Accommodation

Advice regarding all aspects of private accommodation and tenancy agreements is available in the Students' Union. Further information can be found at qubsu.org/AdviceSU/Accommodation

The Students' Union recommends that students seek private sector accommodation through NI Student Pad: nihestudentpad.co.uk/Accommodation

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

Prices

As a guide, our accommodation prices in 2017/18 start at £73 per week if you're sharing a twin room, up to £127 per week for a premium en suite single room. Contracts are 38, 39, 40 or 51 weeks depending on your needs.

You're Guaranteed a Room if You're from outside Northern Ireland

We offer guaranteed accommodation to all students from outside Northern Ireland, and you will have priority if you wish to stay longer than just your first year.

What Do You Get for Your Money?

Our all-inclusive residential fees include:

- All utility bills (electricity, heating and hot water)
- High speed wired and wireless internet throughout all accommodation
- Contents insurance
- Maintenance service
- TV licence for communal areas
- Weekly clean of communal areas

Key Benefits

- 24-hour security
- 24-hour reception at Elms Village
- Support from the Residential Life Team
- Guest policy
- Fast and reliable internet service
- Luggage storage facilities
- Convenience shop, ATM, laundry, computers and printers/copiers at the Treehouse in Elms Village
- Secure postal arrangements
- Specific accommodation lifestyles of no alcohol, quiet living or single sex

Further Information

For all your accommodation needs – booking, queries, maintenance and everything in between – visit: stayatqueens.com

Since our foundation in 1849, sport has played an important part in the Queen's student experience.

A SPORTING university from the START



"I'm very into sport – Gaelic football. I've always dreamt of achieving at the top level."

Callum Mullan-Young
BEng Chemical Engineering

Queen's Sport gives you the opportunity to continue or start being active. Our world-class indoor and outdoor facilities are ideal for recreational, competitive or high performance athletes.

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

We also host a weekly ParkRun at Upper Malone which attracts thousands of recreational runners and have recently launched an Active Travel programme in partnership with Active Belfast.

It has sporting facilities, activities and programmes for everyone, and of course has special membership rates for students.

Facilities

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

Outdoor Facilities

Upper Malone

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

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

Queen's Boat House

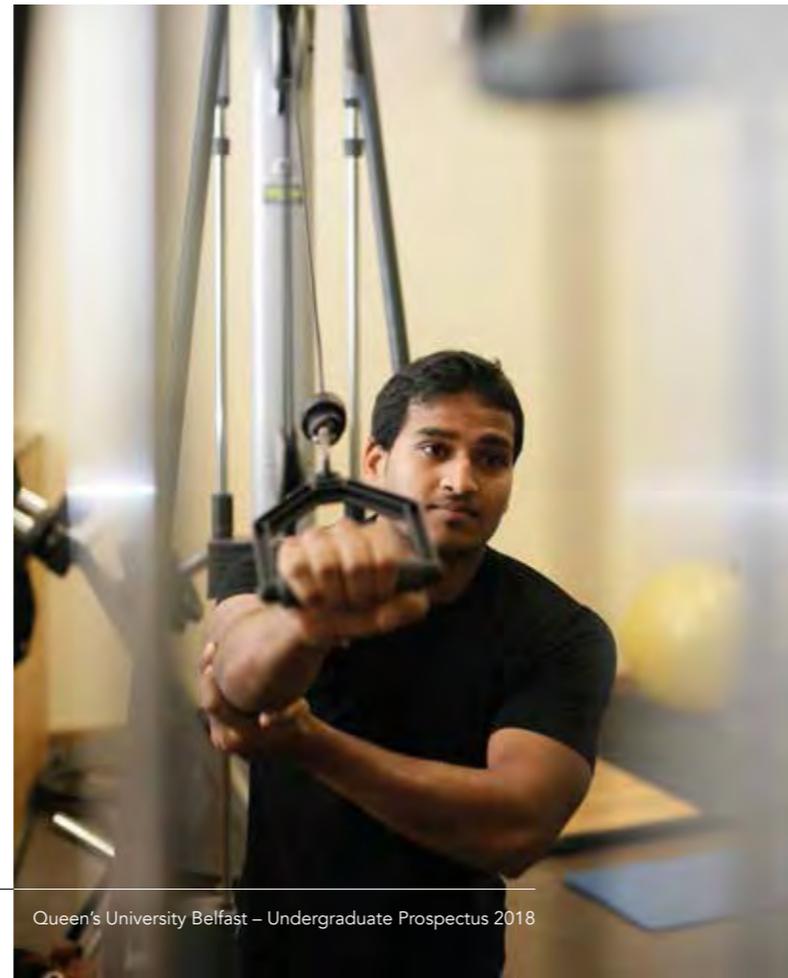
Extensively upgraded in 2015, the Queen's Boat House is home to the Men's and Ladies' Boat Clubs, who have an excellent pedigree through performances at Senior and Novice levels throughout Ireland and beyond.

Elite Athlete Programme

- £3,000 per year for tuition fees
- £2,000 per year for living/travel costs
- Personalised strength and conditioning coaching
- Sports medicine and physiotherapy support
- Individual academic support and career advice
- Academic flexibility
- And all other Academy benefits



The Physical Education Centre (PEC) is the hub of Queen's Sport, located in Botanic Gardens.



Academies

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

We created these academies to provide a high performance culture within each sport, but also to promote recreational and community initiatives.

Sporting legends have graced the Queen's jersey with pride. We've named Rugby and GAA Academy Scholarships after:

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



In 2016, Queen's-supported athletes competed in top-level competitions in over 20 countries, including Olympics, Paralympics, World University Championships, European Athletics Championships and US Open Swimming Championships.

The Scholarship programmes are one of just many ways you can enhance your time at Queen's through the Degree Plus scheme – see page 6 for further details.

Further Information

Queen's Sport
queenssport.com
 Performance Sport
queensperformancesport.com
 Elite Athlete Programme
go.qub.ac.uk/sportEAP



Hello from the Students' Union PRESIDENT



The Union is your rock. We work continuously for you; we campaign for your rights and interests. See QUBSU as your home from home. Be part of a unique community at the heart of Belfast.

Every year students choose who will represent them to run their Union and campaign for change. We've campaigned successfully on issues like tuition fees, mental health funding, course closures, LGBT+ discrimination, disability awareness and housing rights.

Study hard, get involved: do this, and you'll never forget your time at Queen's.

Hope to see you around campus soon!

Seán Fearon
Union President

The facilities, support and opportunities we provide ensure that Queen's Students' Union is consistently ranked as one of the top university Students' Unions in the UK.

Students' Union

The Students' Union (SU) is here for you, here for the chat, and of course, here for the craic.

We're loved across campus and Belfast: we're the largest single-campus Union in Ireland and are proud to say that we're one of the top five Students' Unions in the UK. We're also in the top 10 per cent of UK Students' Unions for student experience.

What Can We Do for You?

The Union is led by students, for students. Each year, students are elected to become Student Officers.

Five full-time Officers work alongside 12 part-time Volunteers. They are here to help you, represent you, organise campaigns to make the changes you want, and lead the Union on your behalf.

Clubs and Societies

Over 11,000 students are members of our 200-plus clubs and societies.

They give you a little bit more: more fun; more time to be part of something; more time to improve your skills.



Our subject-specific societies (covering everything from Architecture to Medicine) offer careers advice and placements, and business-focused societies such as Enactus and IELTS help you add value to your degree.

Homework Clubs

Over 5,000 students have been involved in volunteering at Queen's since 2012.

Homework Clubs are one of the most popular volunteering initiatives for Queen's students. We help inspire young people in some of the most educationally underachieving areas of Belfast to go to university through our tutoring.



GET INVOLVED!

Become:

A Student Officer

Elections for full-time Student Officers take place in the spring.

A Student Councillor

Sit on Student Council and be one of the 112 councillors who represent Queen's students' views.

A School Rep

Be the vital link between the students and staff in all of the Schools in Queen's.

Some of Our Achievements:

- Effectively campaigned for the removal of the lifetime MSM Blood Ban, which was subsequently lifted on 1 September 2016
- Created an Accommodation Forum for students who did not secure a space in University accommodation to find safe housing
- Secured £40,000 from the University to reverse cuts to student counselling

Advice SU

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

There's Loads to Do

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

The Speakeasy:

Eat. Drink. Play. Since 1967

The Speakeasy, on the first floor of the Students' Union, is your 'local' during your time here. Open seven days a week, it has a mix of evening entertainment like club nights, live sport, quizzes, and music. Best of all, it's always free to get in.

It has an outdoor roof terrace, seven 50" HD televisions, one giant projector screen, two full-sized snooker tables, 11 pool tables, and even a dart board.

Be Enterprising

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

Further Information

Queen's Students' Union
qubsu.org
Union President
su.president@qub.ac.uk



THINKING About APPLYING?

Steps to University

1. Check out YOUR OPTIONS

Many of you will have a set career in mind – so start by looking at what courses are the best for you.

But many of you won't know just yet, and that's fine. In that case we suggest you find something you want to study. Remember that all Queen's degrees have our dedication to graduate employability built in!

2. Come to our OPEN DAY(S)*

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

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

8. WELCOME to Queen's!

You'll register for your course in September 2018.

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

7. RESULTS!

The most nerve-wracking stage – your exams may be a distant memory, but the Big Day is here.

We wish you all luck – and if you get the results you need, then we'll see you soon.

3. APPLY

If you want to study – and we hope you do – then apply via UCAS from September 2017*.

4. Come to our OFFER HOLDER events

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

5. ACCEPT your OFFER

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

6. Apply for ACCOMMODATION

Remember that if you're from outside Northern Ireland, we guarantee you a room in Elms Village, our dedicated student accommodation and your home from home for your first year. The application window usually opens in May. See pages 40-41 for details.

*See page 88 on '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:

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

However, you need to be aware that admission to some high-demand subjects at Stage 1 or Stage 2 may be restricted to those who have applied for and been accepted into those courses through UCAS. Many students will wish to follow degree programmes where the choice of modules is more limited – 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 from page 61 to find out where this is possible. Please see pages 56-57 for more information.

STUDYING FOR A DEGREE/ THE MODULAR SYSTEM

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

Most degree courses consist of the equivalent of 18 modules, normally taken over a period of three years (three Stages). Full-time students take the equivalent of six modules each year, with choice governed by content of the degree course. Modules may be either semester-long or year-long. Some subject areas offer opportunity to study abroad as part of the Erasmus or other exchange programmes (see also page 36).

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 (qub.ac.uk/myfuture) which is enhanced by information on the Careers website (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 qsiscat.qub.ac.uk

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

Student Charter

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



The Student Charter sets out what you as a student can expect of the University and in return, what would be expected of you. It enables an environment where those expectations can be met and your ambitions realised.

go.qub.ac.uk/StudentCharter

TEACHING, LEARNING AND ASSESSMENT

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

Teaching and learning on campus, as well as in a virtual environment, can take a number of different formats: lectures, tutorials, seminars, practical instruction and laboratory sessions can all play a part in your learning. Practical instruction, laboratory and fieldwork are normally associated with science and engineering-related subjects, while the creative arts may provide opportunities for students to take part in performances and use industry-related equipment. Small groups will usually meet regularly with a tutor to discuss their subject, their work and

opinions in depth. This will encourage you to share and 'test' your knowledge – ie checking the relevance of your reading and the basis of your arguments. The University places considerable emphasis on teaching informed by research of national and international standing as part of this learning process.

Each of your modules will involve assessment – assignments, essays, practical reports, presentations, projects, examinations, and so on. You will get feedback on academic work from your lecturer or from other students. This feedback is designed to help you reflect on, and improve, the quality of your work. If you need help to improve your academic skills, contact the Learning Development Service for support and guidance. Please visit: go.qub.ac.uk/studentguidance

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

Queen's has strong links with many companies and organisations in the private, public and voluntary sectors, and through the MyFuture careers management system advertises to students a wide range of graduate jobs, placements, internships,

skills sessions, careers events and employer presentations. For further details visit: qub.ac.uk/myfuture

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

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

Students are encouraged to enrich their Queen's experience by taking part in the University's extracurricular programme that includes involvement in clubs and societies, part-time work, volunteering, student ambassador roles, peer mentoring, vacation employment, careers programmes, language courses, international opportunities and entrepreneurial activities. These contribute to the Degree Plus Award (qub.ac.uk/degreeplus), 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.

JOINT HONOURS DEGREES

"I had shadowed a barrister for work experience, and I chose French because I really enjoyed it. I also got to go to Toulouse with the Erasmus programme. I feel my time at Queen's has really helped me grow as a person."

Aimee Donaldson
LLB Law with French



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

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

Joint Honours degrees allow you to study two different subjects alongside students on the Single Honours degrees. In each year of the degree you will normally study an equal amount of both subjects through a mix of core, optional and, in many cases, interdisciplinary modules. Students will normally have the opportunity, and in some instances be required, to complete a dissertation in one of their chosen subjects. Placement opportunities also exist.

Among the many attractions of a Joint Honours degree are:

- The option to study two subjects, one or more of which may be an entirely new area of study
- Developing a range of skills across more than one subject thus widening career options and increasing job opportunities
- Bringing perspectives from one subject to another
- Being able to demonstrate to employers flexibility as well as expertise in more than one subject

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

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

Popular Joint degrees include:

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

Further Information

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

ADMISSIONS and Entrance Requirements

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

General Entrance Requirement

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

- 1. GCE/GCSE Qualifications**
Passes in the General Certificate of Secondary Education or International General Certificate of Secondary Education (minimum grade C/4) and the General Certificate of Education (Advanced Level) as follows:
Either
a) Passes in at least five subjects, two of which should be at A-level or
b) Passes in at least four subjects, three of which should be at A-level
A-level (Double Award) will be acceptable in place of two A-levels.
Two AS-levels will not be acceptable in place of one A-level in fulfilment of the General Entrance Requirement.

More detailed information is available from the Admissions and Access Service website: qub.ac.uk/ado

- 2. Scottish Highers and Advanced Highers**
Passes in the Scottish Qualifications Certificate (Standard Grade (grades 1-3), Intermediate 2, National 5, Highers and Advanced Highers) as follows:
Either
a) Passes in at least five subjects, three of which should be at Higher level or
b) Passes in at least four subjects, all of which should be at Higher level
See table on page 87 for guidance.
- 3. A BTEC Diploma/ National Diploma/ Extended Diploma/National Extended Diploma or Higher National Certificate/ Diploma**
Please refer to pages 86-87 for more detail.
- 4. An OCR Cambridge Technical Diploma or Extended Diploma**
Please refer to page 86 for more detail.
- 5. The WJEC Advanced Welsh Baccalaureate (AWB)**
Please refer to page 61 for more detail.
- 6. The International Baccalaureate (IB) Diploma Programme (DP)**
See table on page 87 for guidance.
- 7. The Cambridge Pre-U Diploma**
Please refer to page 87 for more detail.
- 8. The Irish Leaving Certificate**
The General Entrance Requirement can be satisfied by passes in five subjects to include English, four of which should be at H5 grade.
- 9. The European Baccalaureate**
Further information is available in the Undergraduate Admissions Policy 2018 Entry (Appendix 2, Table 2) at: qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy
- 10. Home-educated applicants**
The University considers home education as a valid alternative to an exam-centred school education and welcomes applications from such students. Applicants should note that

they will be considered against the standard admission criteria of the course for which they are applying and will need to demonstrate that they meet the specified academic requirements of the course.

- 11. Recognition of Prior Learning (RPL)**
The University operates a RPL scheme which includes experiential learning or prior certificated learning for both admission and credit purposes. This is available at qub.ac.uk/directorates/AcademicAffairs/GeneralRegulations/Procedures/ProceduresforRecognitionofPriorLearningRPL
- 12. Other qualifications deemed equivalent by the University**
If you are taking qualifications which differ from those listed here, please contact the Admissions and Access Service for advice.
e: admissions@qub.ac.uk
t: +44 (0)28 9097 3838

English Language Requirements for International Students

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

- i. IGCSE English Language (including Speaking and Listening/Oral test) or a recognised overseas O-level English Language
- ii. Cambridge Proficiency (CPE)
- iii. Cambridge Advanced (CAE)
- iv. University of Cambridge International Examinations (CIE) GCE O-level English Language Syllabus 1119/1120 (with pass in Oral test) 1123/1125/1127/1128
- v. IELTS Academic Test
- vi. TOEFL iBT® (internet-Based)
- vii. INTO English for University Study Test
- viii. INTO English Language Assessment (IELA)

- ix. Pearson Test of English (PTE) Academic™
- x. HKDSE – Hong Kong Diploma of Secondary Education
- xi. Trinity ISE III or IV Integrated Skills in English Examinations (with at least a Pass in all test components)

Further information on other acceptable English Language qualifications is available at qub.ac.uk/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.

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

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).

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. Furthermore, we appreciate that the opportunities available to applicants will often be dependent on school/college policy.

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

The following information represents our approach and this policy will be kept under review as further details become available. Please refer to our website at qub.ac.uk/ado for the most up-to-date position.

- AS/A-level Reform**
A-level qualifications offered by the Examination Boards in Northern Ireland and Wales have the same structure as previously though the AS component of the A-level has a reduced weighting and we wish to confirm that the results obtained in linear and modular A-levels will be treated on the same basis.
Currently, in terms of selection for the most competitive courses, emphasis is placed on GCSE performance with AS-level results taken into account in borderline cases or where they are significantly better than the GCSEs and this will continue. We would encourage schools and colleges to outline what qualifications they offer to their students in the UCAS reference. This will inform our decision and allow us to use alternative factors in the selection process to ensure applicants, who have not undertaken any AS-levels at the time of application, are not disadvantaged.





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

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

- **GCSE Reform**
A Grade C in GCSE English Language (or equivalent, acceptable to the University) is a general entrance requirement and for a number of degree programmes, there are GCSE subject requirements at Grade C or above. In addition GCSE performance may be used as part of the selection criteria when deciding whether or not to make an offer or in shortlisting for interview. In terms of the new 9-1 grading scale, the University will equate A* to grades 8 and 9, A to grade 7, B to grade 6 and C to grade 4. These mappings will be kept under review. The results obtained in linear and modular GCSEs will be treated on the same basis.
- **A-level Science Practical**
A pass in the practical element of the reformed Science A-levels from the English Awarding Bodies and Eduqas will be a requirement and this will be specified in offers.

Information can be found at qub.ac.uk/ado and this will be updated on a regular basis.

CRITERIA FOR OFFERS

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

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:

- Overall academic background and, in particular, performance at GCSE and/or AS-level or in the first year of BTEC/OCR Level 3, BTEC HNC Level 4/HND Level 5 or Access Course Level 3 qualifications is important, particularly for high-demand programmes. Predicted grades are not normally used, except in very borderline cases.
- Offers for repeat applicants, or for those who have taken an extra year to achieve the grades required, may be one grade higher overall for some subject areas. Course Selectors would not normally consider applicants who have had more than two attempts at obtaining the required qualifications for admission. Further restrictions may apply for high-demand courses.

- In the case of applicants who take qualifications a year earlier than is the norm, the grade(s) achieved will be taken into account in fulfilment of the target. The standard conditional offer is usually made with a note added to indicate that performance in the previous year will be counted.
- For students who have studied beyond A-level or equivalent, performance at this level will also be taken into account.
- In addition to academic criteria, interviews, admissions/aptitude tests, auditions, etc, form part of the selection process for some courses.
- Some Course Selectors may also take into consideration experience, motivation and commitment to the chosen course.
- Offers are made in terms of grades rather than UCAS Tariff points. This means that a minimum grade in any qualification may be specified. Offers will normally be made on the basis of three A-levels or acceptable equivalent in other qualifications. Additional subjects at AS/A-level may be taken into account in August in borderline cases.

Please note that Medicine requires three A-levels plus one AS-level, while Dentistry requires three A-levels or three A-levels plus one AS-level depending on the combination of subjects offered (or acceptable alternative – see A-Z of degrees).

- Currently conditional offers will not be made in terms of grades in individual AS/A2 modules, however, this information may be used in a tie-break situation after release of A-level results in August.

- An A* grade at A-level may be specified as part of an alternative offer for a limited range of degree programmes, for example, A* (Mathematics) AB or AAA (including Mathematics) at A-level for the MSci in Mathematics.
- Where applicants take AS-level examinations in their penultimate year, but do not certify their results, it is helpful if the equivalent grades are given in the academic reference or personal statement since performance in these may affect whether or not a conditional offer is made.
- Course Selectors, especially for the high-demand courses, may not equate the points score of two AS-levels to one A-level. In cases where a mixture of A and AS-levels is being offered, selectors are likely to ask for the higher grades in the A-level component rather than the AS component.
- In many cases, where degrees do not have specific subject requirements, GCE General and GCE Applied A-level qualifications may be interchangeable and there is generally no restriction on the number of Applied A-level subjects which can be offered. The exceptions are Medicine and Dentistry where a maximum of either one Applied A-level or one Applied AS-level may be offered.
- The University recognises the value of skills developed in the Extended Project Qualification (EPQ). For A-level applicants who decide to undertake the EPQ, this will be acceptable in place of the fourth AS-level subject for Medicine and 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.
- The Advanced Welsh Baccalaureate (AWB): The AWB 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).
- 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 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 go.qub.ac.uk/coursefinder under 'Entry Requirements'. This includes a section on 'How we Choose our Students'.

A-LEVEL AND IRISH LEAVING CERTIFICATE ENTRANCE REQUIREMENTS

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

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

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

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

Column 3 gives the duration of the course. Courses involving the study of a foreign language as a Single, Major or Joint Honours subject require a year to be spent

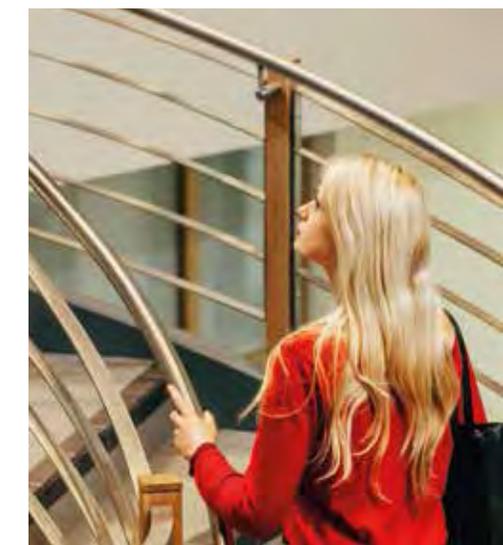
in the appropriate country (or countries, in the case of Joint Honours).

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

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

Offers for International Students

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



Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Accounting	BSc (Accounting) [S]	3	AAB + GCSE Mathematics grade B	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	94
	BSc (Accounting) [S] with a language	4	AAB + GCSE Mathematics grade B. <ul style="list-style-type: none"> 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	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics <ul style="list-style-type: none"> For French option – normally H3 in French (or evidence of linguistic ability) For Spanish option – normally H3 in Spanish (or evidence of linguistic ability) 	94
	BSc (Econ) [J with Economics]	3	ABB + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	152
Actuarial Science and Risk Management	BSc [S] (sandwich course)	4	A**AA including Mathematics OR AAA + A (AS) including A-level Mathematics	H1H1H1H1H2H2 including Higher Level grade H1 in Mathematics	96
© Aerospace Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics (preferred), Biology or Chemistry	98
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and Physics (preferred), Biology or Chemistry	98
© Agricultural Technology ¹	BSc [S]	3	BBB including at least two relevant subjects (see list below) + GCSE Mathematics grade C OR ABB including a relevant subject (see list below) + GCSE Mathematics grade C Applicants not offering either Biology or Chemistry at A-level should have GCSE Chemistry grade C or GCSE Double Award Science grades CC Relevant subjects: Agricultural Science, Biology, Chemistry, Computer Science, Environmental Science, Geography, Geology, Home Economics, ICT, Mathematics, Physics, Physical Education, Psychology and Technology & Design. Other subjects considered on an individual basis	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in two relevant subjects (see list under A-level requirements) + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in a relevant subject (see list under A-level requirements) + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics Applicants not offering Agricultural Science, Biology or Chemistry at Higher Level must have Chemistry at Ordinary Level grade O4	100

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Anthropology	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	102+ 104
Applied Mathematics and Physics	BSc [J]	3	ABB including Mathematics grade A and Physics grade B	H2H3H3H3H3 including Higher Level grade H2 in Mathematics and H3 in Physics	218
	MSci [J]	4	AAA including Mathematics and Physics OR A* (Mathematics) AB including Physics	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics and Physics	218
Archaeology	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	106
	MSci [S]	4	AAB + GCSE Mathematics grade C	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	106
Archaeology-Palaeoecology	BSc [S/J]	3	BBB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	106
Architecture	BSc [S]	3	AAB + GCSE Mathematics grade C Applicants with a grade C in GCSE Art or no Art at GCSE/A-level may be invited for a portfolio interview. Neither Technology and Design nor Craft, Design and Technology are considered an alternative to Art	H2H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics Applicants with a grade C in Junior Certificate Art, or no Art at Junior/Leaving Certificate, may be invited for a portfolio interview	108
Astrophysics	BSc [available with Physics]	3	BBB including Mathematics and Physics	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics	254
	MSci [available with Physics]	4	AAB including Mathematics and Physics	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics	254
Audio Engineering	BSc [S]	3	ABB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Technology and Design, Electronics, Further Mathematics or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics (preferred), Biology or Chemistry	110
© Biochemistry	BSc [S]	3	BBB including Chemistry and Biology + GCSE Mathematics grade C OR ABB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Where A-level Biology, Mathematics or Physics are not offered, A-levels in three other subjects including Chemistry and AS-level Biology would be considered	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and Biology + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry and at least one from Mathematics or Physics + Ordinary Level grade O4 in Biology + if not offered at Higher Level then grade O4 in Mathematics	112

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
© Biochemistry (continued)	MSci [S]	4	AAB including Chemistry and Biology + GCSE Mathematics grade C OR AAA including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Where A-level Biology, Mathematics or Physics are not offered, A-levels in three other subjects including Chemistry and AS-level Biology would be considered	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Chemistry and Biology + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 and H3 in any order in Chemistry and at least one from Mathematics or Physics + Ordinary Level grade O4 in Biology + if not offered at Higher Level then grade O4 in Mathematics	112
© 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 It would be an advantage to have studied Chemistry beyond GCSE level	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics. It would be an advantage to have studied Higher Level Chemistry	114
	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. It would be an advantage to have studied Chemistry beyond GCSE level	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics It would be an advantage to have studied Higher Level Chemistry	114

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Biological Sciences	FdSc [S] ³	2	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	H3H4H4H4H4/H3H3H4H4 including grade H3 in Biology and H4 in Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics If not offered at Higher Level then Ordinary Level Chemistry grade O4 would be considered	116
Biomedical Science	BSc [S]	3	AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C OR A (Biology/Human Biology or Chemistry) AB including a second science subject + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	118
Broadcast Production	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	120
Business Economics	BSc(Econ) [S]	3	ABB + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	122
Business Information Technology	BSc [S] (sandwich Course)	4	AAB/ABB + GCSE Mathematics grade C	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	124
© Business Management	BSc [S]	3	ABB + GCSE Mathematics B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	126
© Chemical Engineering	BEng [S]	3	BBB including Mathematics and at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied), Physics, Technology and Design or Double Award Applied Science Note: Applicants not offering Chemistry or Physics at A-level should have a minimum of either GCSE Chemistry and Physics grade C or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and a Science subject (see list under A-level requirements)	128
	MEng [S]	4	AAB including Mathematics at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied), Physics or Technology & Design Note: Applicants not offering Chemistry or Physics at A-level should have a minimum of either GCSE Chemistry and Physics grade B or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	128
Chemistry (see also Medicinal Chemistry)	BSc [S]	3	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Chemistry (see also Medicinal Chemistry) (continued)	BSc [S] (sandwich course)	4	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
	MSci [S] with Professional Studies	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
Chemistry with French or Spanish	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C <ul style="list-style-type: none"> For French option – A-level French grade B or AS-level French grade B For Spanish option – A-level Spanish grade B or AS-level Spanish grade B Note: If the language is studied at a higher level then the grade required at that level must be achieved	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics <ul style="list-style-type: none"> For French option – H3 in French For Spanish option – H3 in Spanish 	130
Chemistry with Study Abroad	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
© Civil Engineering	BEng [S]	3	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and a Science subject (see list under A-level requirements)	132
	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	132

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher 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, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	134
	BSc [J with Mathematics]	3	ABB including Mathematics grade A	H2H3H3H3H3 including Higher Level grade H2 in Mathematics	134
	BSc [S] (sandwich course)	4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	134
	MEng [S]	4	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	134
	MEng [S] (sandwich course)	5	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	134
	MSci [J with Mathematics]	4	AAA including Mathematics OR A* (Mathematics) AB	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics	134

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Computing and Information Technology	BSc [S] (sandwich course)	4	BBB including Mathematics, Computing or Software Systems Development + GCSE Mathematics grade C OR ABB including Biology, Chemistry, Digital Technology, ICT (including Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C OR AAB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including any computing or scientific subject + Ordinary Level grade O4 in Mathematics OR H2H3H3H3H3H3 + Ordinary Level grade O4 in Mathematics	136
Criminology	BA [S/J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	138
Dentistry	BDS [S]	5	AAA including Biology and Chemistry. GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level OR AAA at A-level + B in a fourth AS-level subject including A-level Chemistry plus at least one other A-level from Mathematics or Physics. If not offered at A-level then Biology/Human Biology to at least AS-level grade B. GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level Note: A maximum of either one Applied A-level or Applied AS-level will be counted Note: From 2019 entry both Biology and Chemistry at A-level will be required and offers will be expressed in terms of three A-levels	H1H1H1H1H2H2 including Higher Level grade H1 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	144
Drama	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	146
Economics	BSc (Econ) [S]	3	ABB + GCSE Mathematics grade A	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O2 in Mathematics	150
	BSc(Econ) [J with Accounting]	3	ABB + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics	152
	BSc(Econ) [M with Finance]	3	ABB + GCSE Mathematics grade A	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O2 in Mathematics	154
	BSc (Econ) [M with a language]	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 Spanish option – normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language Note: If the language is studied at a higher level then the grade required at that level must be achieved	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics • For French option – normally H3 in French or evidence of linguistic ability in another language • For Spanish option – normally H2 in Spanish or evidence of linguistic ability in another language	150

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
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		156
© Electrical and Electronic Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Technology and Design, Electronics, Further Mathematics or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics (preferred), Biology or Chemistry	158
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Technology and Design, Electronics, or Further Mathematics Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and Physics (preferred), Biology or Chemistry	158
Energy, Environment and Sustainability ⁴	FdSc [S]	2	CC + GCSE Mathematics grade C OR CD including Biology, Chemistry, Geography, Mathematics or Physics + GCSE Mathematics grade C	H3H3H4H4 + Ordinary Level grade O4 in Mathematics OR H3H4H4H4 including at least one from Biology, Chemistry, Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics A minimum of 5 subjects will be required in the Irish Leaving Certificate (Higher Level) at least 4 of which should be at Higher Level	160
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 Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in English for Single Honours and Joint Honours with French, History, Irish, Linguistics, Politics and Spanish H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in English for other options	162
English with Creative Writing	BA [S]	3	ABB including A-level English Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in English	170
© Environmental and Civil Engineering	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	172

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© Environmental Management	BSc [S]	3	BBB including at least two from Biology, Economics and Geography + GCSE Mathematics grade C OR ABB + GCSE Mathematics grade C. Note: certain modules will require GCSE Mathematics grade B	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in at least two from Biology, Economics and Geography + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics Note: Certain modules will require Ordinary Level grade O3 in Mathematics	174
European Planning	MPlan [S]	4	ABB + GCSE Mathematics grade C	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	176
Film and Theatre Making	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	178
Film Studies and Production	BA [S]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	180
Finance	BSc (Finance) [S] (sandwich course)	4	ABB including Mathematics OR AAA + GCSE Mathematics grade B	H3H3H3H3H3H3/H2H3H3H3H3 including Mathematics OR H2H2H3H3H3H3 at Higher Level including Ordinary Level grade O3 in Mathematics	182
© Food Quality, Safety and Nutrition	BSc [S]	3	BBB including Biology and Chemistry + GCSE Mathematics grade C OR BBB including Biology and either Home Economics or Nutrition & Fod Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR ABB including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level Chemistry grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry + Ordinary Level Biology grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	184

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© Food Quality, Safety and Nutrition (continued)	MSci [S]	4	AAB including Biology and Chemistry + GCSE Mathematics grade C OR AAB including Biology and either Home Economics or Nutrition & Fod Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level Chemistry grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry + Ordinary Level Biology grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	184
© Food Science and Food Security	MSci [S]	4	AAB including Biology and Chemistry + GCSE Mathematics grade C OR AAB including Biology and either Home Economics or Nutrition & Fod Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR AAA including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level Chemistry grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry + Ordinary Level Biology grade O4 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	186
French	BA [S/J]	4	ABB including A-level French for Single and Joint Honours except Joint Honours with 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	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in French for Single and Joint Honours except Joint Honours with Anthropology for which the target is H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in French	188

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French (Beginners)	BA [S/J]	4	ABB + GCSE French grade B or evidence of linguistic ability in another language for Single and Joint Honours except Joint Honours with 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	H3H3H3H3H3H3/H2H3H3H3H3 + Ordinary Level grade O3 in French or evidence of linguistic ability in another language for Single and Joint Honours except Joint Honours with Anthropology for which the target is H3H3H3H3H4H4/H3H3H3H3H3 + Ordinary Level grade O3 in French or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied Higher Level French	188
Geography	BSc [S/J]	3	BBB normally including A-level Geography + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 normally including Higher Level grade H3 in Geography + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	192
Geography with a Language	BSc [S]	4	BBB normally including A-level Geography + GCSE Mathematics grade C • For French option: A-level French grade B • For Spanish option: A-level Spanish grade B	H3H3H3H3H4H4/H3H3H3H3H3 normally including Higher Level grade H3 in Geography + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics • For French option: Higher Level grade H3 in French • For Spanish option: Higher Level grade H3 in Spanish	192
History	BA [S/J]	3	ABB for Single and Joint Honours with English, French, International Studies, Irish, Politics and Spanish BBB for other options	H3H3H3H3H3H3/H2H3H3H3H3 for Single Honours and Joint Honours with English, French, International Studies, Irish, Politics and Spanish H3H3H3H3H4H4/H3H3H3H3H3 for other options	198
Human Biology	BSc [S]	3	AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C OR A (Biology/Human Biology or Chemistry) AB including a second science subject + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H2H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	204
International Business with a Language	BSc (International Business) [S] with a Language (sandwich course)	4	ABB + GCSE Mathematics grade B • For French option – normally A-level French grade B or AS-level French grade B or GCSE French grade B or evidence of linguistic ability in another language • For German option – normally A-level German grade B or AS-level German grade • For Mandarin option: evidence of linguistic ability. • For Portuguese option – normally A-level Portuguese grade B or AS-level Portuguese grade B or GCSE Portuguese grade B or evidence of linguistic ability in another language. • For Spanish option – normally A-level Spanish grade B or AS-level Spanish grade B or GCSE Spanish grade B or evidence of linguistic ability in another language Note: If the language is studied at a higher level then the grade required at that level must be achieved	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level O3 in Mathematics • For French option: normally Higher Level grade H3 in French or evidence of linguistic ability • For German option: Higher Level grade H3 in German • For Mandarin option: evidence of linguistic ability • For Portuguese option: normally Higher Level grade H3 in Portuguese or evidence of linguistic ability • For Spanish option: normally Higher Level grade H3 in Spanish or evidence of linguistic ability Note: if the language is studied at a higher level then the grade required at that level must be achieved	206

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International Politics and Conflict Studies	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	208
International Studies	BA [J]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	208
Irish	BA [S/J]	3	ABB including A-level Irish	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Irish	210
Law	LLB [S]	3	AAA	H2H2H3H3H3H3	212
Law: Common and Civil Law with French	LLB [S]	4	AAA including A-level French grade A	H2H2H3H3H3H3 including Higher Level grade H2 in French	212
Law: Common and Civil Law with Hispanic Studies	LLB [S]	4	AAA including A-level Spanish grade A	H2H2H3H3H3H3 including Higher Level grade H2 in Spanish	212
Law with Politics	LLB [S]	3	AAA	H2H2H3H3H3H3	214
Linguistics	BA [J]	3	ABB including A-level English Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in English	168
© 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. It would be an advantage to have studied Chemistry beyond GCSE level	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics. It would be an advantage to have studied Higher Level Chemistry	216
	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. It would be an advantage to have studied Chemistry beyond GCSE level	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics It would be an advantage to have studied Higher Level Chemistry	216

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Mathematics (Pure and/or Applied)	BSc [S/J]	3	A (Mathematics) BB	H2H3H3H3H3 including Higher Level grade H2 in Mathematics	218
	MSci [S/J]	4	AAA including Mathematics OR A* (Mathematics) AB	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics	218
Mathematics and Statistics and Operational Research	BSc [J]	3	A (Mathematics) BB	H2H3H3H3H3 including Higher Level grade H2 in Mathematics	218
	MSci [J]	4	AAA including Mathematics OR A* (Mathematics) AB	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics	218
Mathematics with Extended Studies in Europe	BSc [S]	4	A (Mathematics) BB For French option: A-level French grade B For Spanish option: A-level Spanish grade B	H2H3H3H3H3 including Higher Level grade H2 in Mathematics For French option: Higher Level grade H3 in French For Spanish option: Higher Level grade H3 in Spanish	218
Mathematics with Finance	BSc [S]	3	A* (Mathematics) BB OR AAB including Mathematics grade A	H2H3H3H3H3H3 including Higher Level grade H2 in Mathematics	218
© Mechanical Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics (preferred), Biology or Chemistry	222
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry or Further Mathematics Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and Physics (preferred), Biology or Chemistry	222
Mechanical Engineering	FdEng [S] ³	3	CC including Mathematics and at least one of Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H4H4 including Mathematics and at least one of Physics (preferred), Biology or Chemistry Note: a minimum of 5 subjects will be required in the Irish Leaving Certificate, at least 4 of which should be at Higher Level	224

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Medicinal Chemistry (see also Chemistry)	BSc [S]	3	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
	BSc [S] (sandwich course)	4	BBB including Chemistry and a second Science subject + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
	MSci [S]	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
	MSci [S] with Professional Studies	4	AAB including Chemistry and a second Science subject + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Chemistry and a second Science subject + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	130
Medicine	MB, BCh, BAO [S]	5	AAA at A-level + A in a fourth AS-level subject including A-level Chemistry plus at least one other A-level from Biology/Human Biology, Mathematics or Physics. If not offered at A-level then Biology/Human Biology grade A as a 4th AS-level or grade B as a 5th AS-level. GCSE Mathematics minimum grade C and either GCSE Physics minimum grade C or GCSE Double Award Science minimum grades CC are required if not offered at AS-level or A-level A maximum of either one Applied A-level or Applied AS-level will be counted	H1H1H1H1H2H2 including Higher Level grade H1 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O3 in Mathematics. Students not offering Physics as part of their Leaving Certificate must have an A grade in Junior Certificate Science	226
© 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 Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR ABB including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O3 in Chemistry and O4 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O3 in Chemistry and O4 in Mathematics	230

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
© Microbiology (continued)	MSci [S]	4	AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR AAB including Double Award Applied Science + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C OR AAA including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O3 in Chemistry and O4 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O3 in Chemistry and O4 in Mathematics	230
Midwifery Sciences	BSc [S]	3	BCC including a relevant Science (Biology/Human Biology, Chemistry, Mathematics or Physics) OR BBC where a relevant Science subject is not offered All applicants (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade B to include Mathematics and a Science subject (ie Biology/Human Biology, Chemistry, Physics, Double Award Science or Single Award Science)	H3H3H3H4H4 at Higher Level where a relevant Science subject is offered (Biology, Chemistry, or Physics) OR H3H3H3H3H4 at Higher Level where a relevant Science subject is not offered All applicants - if not offered at Higher Level then Ordinary Level grade O3 in Mathematics and a Science subject is necessary	232
Music ²	BMus [S]	3	BBB including A-level Music. Where A-level Music is not offered then A-level grades BBB plus Grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable. AS-level Music is not acceptable in lieu of A-level Music	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Music Where Higher Level Music is not offered then grades H3H3H3H3H4H4/H3H3H3H3H3 plus grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable	234
Music and Audio Production ²	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	236
Music and Sound Design ²	BA [S]	3	ABB	H3H3H3H3H3H3/H2H3H3H3H3	238
Music Performance ²	BA [S]	3	ABB + successful audition	H3H3H3H3H3H3/H2H3H3H3H3 + successful audition	240
Nursing	BSc [S]	3	BCC including a relevant Science (Biology/ Human Biology, Chemistry, Mathematics or Physics) OR BBC where a relevant Science subject is not offered Note: All applicants (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade C to include 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)	H3H3H3H4H4 at Higher Level where a relevant Science subject is offered (Biology, Chemistry, or Physics) OR H3H3H3H3H4 at Higher Level where a relevant Science subject is not offered. All applicants – if not offered at Higher Level then Ordinary Level grade O4 in Mathematics and a Science subject is necessary	242

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
© Pharmaceutical Biotechnology	BSc [S]	3	BBB including Biology and Chemistry + GCSE Mathematics grade C OR BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics.	246
© Pharmaceutical Sciences	BSc [S]	3	BBB including Biology and Chemistry + GCSE Mathematics grade C OR BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C OR BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and Chemistry + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics.	246
Pharmacy	MPharm [S]	4	AAB including A-level Chemistry and at least one other A-level from Biology, Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C Note: Biology to at least AS preferred.	H1H1H3H3H3H3 including Higher Level grade H1 in Chemistry and Biology + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	248
Philosophy	BA [S/J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	250
Physics	BSc [S/J]	3	BBB including Mathematics and Physics	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics	254
	MSci [S/J]	4	AAB including Mathematics and Physics	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics	254
Physics with Extended Studies in Europe	BSc [S]	4	BBB including Mathematics and Physics • For French option: A-level French grade B • For Spanish option: A-level Spanish grade B	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics • For French option – Higher Level grade H3 in French • For Spanish option – Higher Level grade H3 in Spanish	254
	MSci [S]	5	AAB including Mathematics and Physics • For French option: A-level French grade B • For Spanish option: A-level Spanish grade B	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics • For French option – Higher Level grade H3 in French • For Spanish option – Higher Level grade H3 in Spanish	254

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Physics with Medical Applications	BSc [S]	3	BBB including Mathematics and Physics	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics	254
	MSci [S]	4	AAB including Mathematics and Physics	H2H3H3H3H3H3 including Higher grade H2 and H3 in any order in Mathematics and Physics	254
Planning, Environment and Development	BSc [S]	3	BBB + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics	258
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	H3H3H3H3H3H3/H2H3H3H3H3 for Single Honours and Joint Honours with English, French, History, International Studies, Irish and Spanish H3H3H3H3H4H4/H3H3H3H3H3 for other options	260
Politics, Philosophy and Economics	BA [S]	3	AAA + GCSE Mathematics grade B	H2H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O3	262
© Product Design Engineering	BEng [S]	3	BBB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics, Technology and Design or Double Award Applied Science Note: Applicants not offering Physics at A-level should have a minimum of a grade C in GCSE Physics or GCSE Double Award Science grades CC	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and Physics (preferred), Biology or Chemistry	264
	MEng [S]	4	AAB including Mathematics and at least one from Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and Physics (preferred), Biology or Chemistry	264
Psychology	BSc [S]	3	ABB + GCSE Mathematics grade C	H3H3H3H3H3H3/H2H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics is required	266
Social Policy	BA [J]	3	ABB for Joint Honours with Criminology BBB for Joint Honours with Sociology	H3H3H3H3H3H3/H2H3H3H3H3 for Joint Honours with Criminology H3H3H3H3H4H4/H3H3H3H3H3 for Joint Honours with Sociology	268
Social Work	BSW [S]	3	ABB + GCSE Mathematics grade C or an equivalent qualification acceptable to the University Note: applicants being considered for an offer will be interviewed. The interview process is currently under review for 2018 entry	H3H3H3H3H3H3 + if not offered at Higher Level then Ordinary Level grade O4 in Mathematics is required Note: applicants being considered for an offer will be interviewed. The interview process is currently under review for 2018 entry	270

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Social Work (Relevant Graduate Route)	BSW [S]	2	A minimum of an Upper Second Class Honours degree in a cognate subject. Please refer to degree entry for further information on cognate subjects. Graduates in any other subjects (minimum standard 2.2) who have successfully completed a Postgraduate Certificate in Education (PGCE) will also be considered All applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University Note: applicants being considered for an offer will be interviewed. The interview process is currently under review for 2018 entry	A minimum of an Upper Second Class Honours degree in a cognate subject. Please refer to degree entry for further information on cognate subjects. Graduates in any other subjects (minimum standard 2.2) who have successfully completed a Postgraduate Certificate in Education (PGCE) will also be considered All applicants must have a minimum of a Higher Level grade H4 (prior to 2017 Higher Level grade C3) or Ordinary Level grade O4 (prior to 2017 Ordinary Level grade C3) in Mathematics Note: applicants being considered for an offer will be interviewed. The interview process is currently under review for 2018 entry	270
		3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	272
Sociology with Quantitative Methods	BSc [S]	3	BBB including Mathematics OR BBC + AS-level Mathematics grade B OR ABB + GCSE Mathematics grade B	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 and Ordinary Level grade O3 in Mathematics	274
		3	BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT [not Applied], Physics or Software Systems Development, Technology and Design or Double Award Applied Science	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics and a Science subject (see list under A-level requirements)	276
© Software and Electronic Systems Engineering	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT [not Applied], Physics or Software Systems Development or Technology and Design	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Mathematics and a Science subject (see list under A-level requirements)	276
		4	BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	278
Software Engineering	MEng [S]	4	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	278

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Software Engineering (continued)	MEng [S] (sandwich course)	5	AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C OR AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C	H2H3H3H3H3H3 including Higher Level grade H3 in Mathematics OR H2H2H3H3H3H3 including Higher Level grade H3 in Chemistry or Physics + Ordinary Level grade O4 in Mathematics	278
Spanish	BA [S/J]	4	ABB including Spanish for Single and Joint Honours options except Joint Honours with Anthropology for which the target is BBB including Spanish Note: For those who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Spanish	282
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 Anthropology for which the target is BBB + GCSE Spanish grade B or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied AS-level or A-level Spanish	H3H3H3H3H3H3/H2H3H3H3H3 + Ordinary Level grade O3 in Spanish or evidence of linguistic ability in another language for Single and Joint Honours except Joint Honours with Anthropology for which the target is H3H3H3H3H4H4/H3H3H3H3H3 + Ordinary Level grade O3 in Spanish or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied Higher Level Spanish	282
Spanish and Portuguese	BA [S]	4	ABB including A-level Spanish. Note: for applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish	H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Spanish	280
Spanish and Portuguese (Beginners)	BA [S]	4	ABB + GCSE Spanish grade B or evidence of linguistic ability in another language Note: the Beginners' option is not available to those who have studied A-level or AS-level Spanish	H3H3H3H3H3H3/H2H3H3H3H3 + Ordinary Level grade O3 in Spanish or evidence of linguistic ability in another language Note: the Beginners option is not available to those who have studied Higher Level Spanish	280
© Structural Engineering with Architecture	MEng [S]	4	AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development or Technology and Design Note: Applicants not offering Physics at A-level should have a minimum of a grade B in GCSE Physics or GCSE Double Award Science grades BB	H2H3H3H3H3H3 including Higher Level grades H2 and H3 in any order in Mathematics and a Science subject (see list under A-level list requirements)	284
Theology	BA [J]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	286
	BD [S]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	286
	BTh [S]	3	BBB	H3H3H3H3H4H4/H3H3H3H3H3	286
	Diploma in Theology	2	BBB	H3H3H3H3H4H4/H3H3H3H3H3	286

Subject	Degree	Yrs	A-level Target Grades and Subject Requirements	Irish Leaving Certificate Higher Level Target Grades and Subject Requirements	Page
Theoretical Physics	BSc [S]	3	ABB including Mathematics grade A and Physics grade B	H2H3H3H3H3 including Higher Level grade H2 in Mathematics and H3 in Physics	254
	MSci [S]	4	AAA including Mathematics and Physics OR A* (Mathematics) AB including Physics	H2H2H3H3H3H3 including Higher Level grade H2 in Mathematics and Physics	254
© 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 It would be an advantage to have studied Chemistry beyond GCSE level	H3H3H3H3H4H4/H3H3H3H3H3 including Higher Level grade H3 in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H3H3H3H3H3H3/H2H3H3H3H3 including Higher Level grade H3 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics. It would be an advantage to have studied Higher Level Chemistry	288
	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. It would be an advantage to have studied Chemistry beyond GCSE level	H2H3H3H3H3H3 including Higher Level grade H2 and H3 in any order in Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + if not offered at Higher Level then Ordinary Level grade O4 in Chemistry and Mathematics OR H2H2H3H3H3H3 including Higher Level grade H2 in Biology + Ordinary Level grade O4 in Chemistry and Mathematics It would be an advantage to have studied Higher Level Chemistry	288

Notes

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



ACCESS COURSE ENTRANCE REQUIREMENTS

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

Where offers are made, these are based on completion of the full qualification, which is normally available on a one-year, full-time or two-years, part-time basis.

Access Courses Validated by Queen's University or Ulster University

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

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

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

Subject	Target Grades and Subject Requirements ¹
AGRI-FOOD AND LAND USE	
Agricultural Technology ²	65% average in relevant course (normally Science based). GCSE Mathematics grade C or equivalent in Access Course
Energy, Environment and Sustainability ³ (Foundation Degree)	55% average in relevant course (normally Science based). GCSE Mathematics grade C or equivalent in Access Course OR 60% average in a non-relevant science course. GCSE Mathematics grade C or equivalent in Access Course
Environmental Management	65–70% average. GCSE Mathematics grade C or equivalent in Access Course. NB: certain modules require GCSE Mathematics grade B or equivalent in Access Course
Food Quality, Safety and Nutrition (BSc)	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Food Science and Food Security	Not considered.
EDUCATION	
Bachelor of Education	Education is taught at St Mary's University College and Stranmillis University College. Each of the University Colleges produces its own prospectus to which you should refer
ENGINEERING	
Architecture	75% average. GCSE Mathematics grade C or equivalent in Access Course. Applicants with a grade C in GCSE Art or no Art at GCSE/A-level may be invited for a portfolio interview.
Audio Engineering	85% in each module. Must be relevant Access Course including two modules in Mathematics (Level 3) and two modules in Physics/Chemistry (Level 3)
Computer Science (BEng/BSc degrees)	65–70% average. Must be relevant Access Course (eg Mathematics and Computing). GCSE Mathematics grade C or equivalent in Access Course

Subject	Target Grades and Subject Requirements ¹
ENGINEERING (continued)	
Computing and Information Technology	75% average in any Access Course. GCSE Mathematics grade C or equivalent in Access Course OR 65–70% in a computing, mathematical or scientific Access Course. GCSE Mathematics grade C or equivalent in Access Course
Engineering – Foundation degrees: Mechanical Engineering ⁴	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) * Physics/Chemistry (Level 3) for BEng degrees in Chemical Engineering
Engineering – MEng degrees	Not considered
European Planning	70% average. GCSE Mathematics grade C or equivalent in Access Course
Planning, Environment and Development	65% average. GCSE Mathematics grade C or equivalent in Access Course
Software Engineering (BEng degree)	65–70% average. Must be relevant Access Course (eg Mathematics and Computing). GCSE Mathematics grade C or equivalent in Access Course
HUMANITIES AND SOCIAL SCIENCES⁵	
Anthropology	65% average
Archaeology	65% average
Broadcast Production	70% average
Criminology	70% average
Drama	65% average
English	70% average including an average of 65% in Literature modules for Single Honours and Joint Honours in English and Linguistics, English and History, English and Politics 65% average including an average of 65% in Literature modules for other options.

Subject	Target Grades and Subject Requirements ¹
HUMANITIES AND SOCIAL SCIENCES⁵ (continued)	
English with Creative Writing	70% average including average of 65% in Literature modules
Film Studies and Production	65% average
Film and Theatre Making	70% average
French	Not normally considered as Access Courses would not satisfy language requirements
History	70% average for Single Honours and Joint Honours 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 average of 65% in Literature modules
Music – BMus ⁶	Certificate in Foundation Studies in Music with an average of 65%
Music and Audio Production ⁶	70% average
Music and Sound Design ⁶	70% average
Music Performance ⁶	70% average plus successful audition
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 Policy	70% average for Joint Honours with Criminology 65% average for Joint Honours with Sociology
Social Work	70% average. Minimum of a grade C in GCSE Mathematics or the equivalent in the Access course

Subject	Target Grades and Subject Requirements ¹
HUMANITIES AND SOCIAL SCIENCES⁵ (continued)	
Sociology	65% average (except BA Criminology and Sociology: 70% average)
Sociology with Quantitative Methods	70% average. GCSE Mathematics grade B or equivalent in Access Course
Spanish (Single and Joint Honours), Spanish and Portuguese	Not normally considered as Access Courses would not satisfy language requirements
Theology	65% average
LAW	
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.
MANAGEMENT	
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	70-75% average. GCSE Mathematics grade C or equivalent in Access Course
Business Management	70% average. GCSE Mathematics grade B or equivalent in Access Course
Economics	70% average. GCSE Mathematics grade A or equivalent in Access Course
Economics and Accounting	70% average. GCSE Mathematics grade B or equivalent in Access Course
Economics with Finance	70% average. GCSE Mathematics grade A or equivalent in Access Course
Finance	75% average. 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
MEDICINE AND HEALTH SCIENCES	
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

Subject	Target Grades and Subject Requirements ¹
MEDICINE AND HEALTH SCIENCES (continued)	
Midwifery Sciences	65% where at least half of the overall programme is in Biology or Chemistry or Physics (Level 3 modules) OR 70% for all other Access courses (Level 3 units) All Access course applicants must have a minimum of a grade B in GCSE Mathematics and a science subject. Within an Access course 70% in NICATS Mathematics and 70% in a Level 2/3 Biology or Chemistry or Physics module (equivalent to at least 15% of the Access course) would normally fulfil the 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 or Chemistry or Physics (Level 3 modules) OR 70% for all other Access courses (Level 3 units) All Access course applicants must have a minimum of a grade C in GCSE Mathematics and a science subject or the equivalent in the Access course Additional academic criteria may be applied at shortlisting depending on the volume of applications
SCIENCE	
Archaeology (MSci)	75% average. GCSE Mathematics grade C or equivalent in Access Course
Archaeology–Palaeocology (BSc)	65% average. GCSE Mathematics grade C or equivalent in Access Course
Biology and Biochemistry – BSc degrees:	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
Biochemistry, Biological Sciences, Marine Biology, Microbiology, Zoology	

Notes

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

Subject	Target Grades and Subject Requirements ¹
SCIENCE (continued)	
Biology – Foundation degree: Biological Sciences ⁴	65% average. Must be a relevant Access Course with sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access Course
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–Palaeocology 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, Pharmaceutical Biotechnology	80% average with no less than 70% in any module including sufficient relevant modules in Biology and Chemistry. GCSE Mathematics grade C or equivalent in Access course
Pharmacy	Not considered
Physics – BSc degrees: Applied Mathematics and Physics, Physics, Physics with Astrophysics, Physics with Medical Applications, Theoretical Physics	80% average with at least 80% in each Mathematics and Physics module and no less than 70% in any module
Psychology	70% average. GCSE Mathematics grade C or equivalent in Access Course
THEOLOGY	
Divinity, Theology	65% average



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).

1. BTEC and OCR Qualifications at Level 3

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

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

In Science, Engineering and Agri-Food and Land Use, applicants offering a relevant BTEC Extended Diploma/National Extended Diploma/OCR Cambridge Technical Extended Diploma are considered individually on

their merits. Where offers are made, they range from 100 to 160 credits at Distinction (including specified units) and Merits in all other units.

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

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

More detailed information is available via the Course Finder on the University's website at go.qub.ac.uk/coursefinder

Requirements will be revised for 2018 entry to reflect the new structure of these qualifications but will continue to be based on the weighting of Distinctions and Merits achieved.

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

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

Applications are considered individually on their merits and academic background at GCSE, GCE General and Applied A-levels and results in the first year examinations are taken into account, bearing in mind, where appropriate, the course requirements.

For Arts, Humanities and Social Sciences-based subjects, where offers are made these range from Merits in all final year units to a mixture of Distinctions and Merits for the more competitive courses including some of the BA Single Honours degrees, Law, Psychology and for degree programmes in Queen's Management School. Entry would normally be to Stage 1 although some courses at Queen's may consider admission to Stage 2.

In Science, Engineering and Agri-Food and Land Use, applicants offering a relevant Higher National Diploma are considered individually on their merits for Stage 1 or Stage 2 entry, depending on how closely the syllabus correlates to Stage 1 and on their performance in first year. Where offers are made for

Engineering these are normally based on 12 Merits (4–6 units specified) and four Passes for Stage 2 and nine Merits (3 specified) and seven Passes for Stage 1. Science-based subjects usually require either Merits in all final year units or a mixture of Distinctions and Merits.

HND Entry Requirements are currently under review for 2018 entry.

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

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

HNC Entry Requirements are currently under review for 2018 entry.

4. Foundation Degrees

Applicants offering a Foundation Degree are considered individually on their merits and academic background. Where offers are made these are based on completion of the full qualification and for Stage 1 or Stage 2 depending on compatibility and performance.

5. Scottish Highers and Advanced Highers

The University accepts Scottish Higher and Advanced Higher qualifications. The following is a guide to the standard required in terms of equivalencies to A-level target grades.

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

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

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

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

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

(Maximum grade 7 – Minimum pass grade 4)

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

7. Open University Qualifications

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

8. Cambridge Pre-U Diploma and Principal Subjects

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

9. BTEC/OCR qualifications at Level 2

In fulfilment of the General Entrance Requirement or where performance at GCSE level is used in the selection process for individual programmes, normally a maximum of the equivalent of four GCSEs in acceptable vocational qualifications will be counted.

10. Certificate and Diploma in Financial Studies

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

11. CACHE Level 3 Qualifications

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

12. Essential Skills, Level 2, Application of Number

Level 2 Essential Skills in Application of Number will be considered on an individual basis in place of GCSE Mathematics Grade C, where this is a course requirement. An applicant's overall academic profile and any additional qualifications in numerically related subjects may be taken into

account, however, applicants should note that for Nursing, Midwifery and Social Work it will not be acceptable in lieu. This will be reviewed in the event of changes to the specifications or content of either the GCSE or Essential Skills qualification.

13. National Vocational Qualifications (NVQ)

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

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

These qualifications are not acceptable 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
t: +44 (0) 28 9097 3838

HOW AND WHEN TO APPLY

How to Apply

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

When to Apply

UCAS will start processing applications for entry in autumn 2018 from 1 September 2017.

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

Medicine/Science the closing date is 15 October 2017 (18:00).

Currently there are two intakes to Adult Nursing (one in September and the other in February). Those applying for entry in February 2019 should apply prior to 15 January 2018 (18:00).

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

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

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

Deferred Entry

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

Support for Care Leavers

Queen's University is committed to providing support for students from a care-

experienced background and in recognition of this the University has been awarded the Buttle UK Quality Mark.

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

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

Pathway Opportunity Programme

The University's Pathway Opportunity Programme provides a route for talented young people from Northern Ireland who have the ability to study at Queen's, but may require additional support and encouragement due to disadvantage experienced, to reach their full potential.

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

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 go.qub.ac.uk/DisabilityPolicy

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

Applicants Returning to Education

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

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

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

Please be aware that undertaking a period of full-time study can have serious implications. Think it through carefully. It is a good idea for applicants to get some guidance and counselling from organisations such as nidirect.gov.uk or from the University's Careers, Employability and Skills service (qub.ac.uk/careers), in order to establish where their best interests and chances of success lie. We would also encourage

applicants to contact the Admissions and Access Service (admissions@qub.ac.uk), who will be happy to provide advice.

Applicants with a Criminal Record

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

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

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

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

Applications for Theology

All applications for admission to full-time undergraduate courses in the University should be submitted through the Universities and Colleges Admissions Service (UCAS) at: ucas.com/apply. 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 (theology@qub.ac.uk). At the time of enrolment and registration students will also be required to register with the college. Information about Union Theological College, along with their contact details, is available on the Institute of Theology website (qub.ac.uk/ithe).

Applications to St Mary's University College and Stranmillis University College

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

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

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

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

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

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

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

Credit Accumulation and Transfer Scheme (CATS)

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

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

Decisions on Applications

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

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

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

Queen's Undergraduate Admissions Policy

The University Admissions Policy provides additional information on a range of matters including feedback to unsuccessful applicants and the Admissions Appeals/

Complaints Procedure. A copy may be accessed via the University's website at: qub.ac.uk/directorates/MRCI/admissions/UndergraduateAdmissions/UndergraduateAdmissionsPolicy

Admissions Appeals and Complaints Procedure

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

Registration

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

Your Questions Answered

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

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



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 satisfactory visa information before they can enrol.

All students will be asked at enrolment to confirm that they will abide by the Terms and Conditions which are sent to them as part of their offer of a place at the University.

Welcome 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 qub.ac.uk/welcome with links to organised events and activities on campus and providing you with important information about key student services and levels of service provision you can expect to receive at Queen's. Your University School is central to this programme and with numerous opportunities to meet staff and other students – make sure you get involved!



A-Z OF DEGREES

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

Accounting is concerned with the provision of economic information for both internal and external organisational stakeholders. This degree is designed for students who intend to enter the accounting profession and as such contains considerable practical content, as well as essential theory in the various specialisations of Financial Accounting, Management Accounting, Auditing, Taxation and Finance.

Course Content

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

The modules are:

Year 1

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

Year 2

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

Optional Modules

- Managerial Economics
- Data Analysis and Optimisation

Year 3

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

Optional Modules

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

Note: students completing Accounting with either French or Spanish, complete four Accounting based modules each year

(indicated with an *) and complete one year-long language module.

Why Queen's?

Professional Exemptions

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

Student Satisfaction

The Accounting programme received an overall score of 4.6 out of 5 in the 2016 National Student Survey (NSS), ranking 4th place in the UK.

World-class Facilities

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

Student Experience

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

Prizes and Awards

Top performing students are regularly awarded prizes and scholarships from

BSc Honours

Accounting 3 yrs (N400)
Accounting with French 4 yrs (N4R1)
Accounting with Spanish 4 yrs (N4R4)

BSc Joint Honours

Economics and Accounting
(see page 152)

See also Economics and Finance

Entrance Requirements

Accounting

A-level: AAB + GCSE Mathematics grade B

Accounting with a Modern Language

A-level: AAB + GCSE Mathematics grade B

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

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

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

Economics and Accounting – see Economics and Accounting entry

For students whose first language is not English

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

leading financial companies PwC, KPMG, Baker Tilly Mooney Moore, BDO, ASM and EY.

Careers/Further Study

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

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

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

The Accounting Group at Queen's liaises closely with prospective employers and with colleagues in the Student Guidance Centre, particularly with respect to Careers, Employability and Skills. For example, details of the Accountancy Northern Ireland Milkround are included in the Financial Services Sector Recruitment booklet and dedicated Careers Employability and Skills' events and workshops are provided for Queen's Accounting students. These activities enhance the employability of our students and support graduate recruitment and selection. In association with the Student Guidance Centre, the Accounting Group organises an annual Accounting



Employers and Professional Bodies Mini Fair.

Graduate Careers and Achievements

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

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

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

Typical career destinations of graduates include:

- Financial accountant
- Management accountant
- Analyst
- Auditor

- Adviser
- Forensic accountant
- Researcher
- Financial controller
- Partner
- Banker

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

Further Study

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

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

Entrance requirements

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

Course information

Martin Kelly,
Programme Director, BSc Accounting
Queen's Management School
E: martin.kelly@qub.ac.uk
T: +44 (0)28 9097 4818
www.qub.ac.uk/mgt

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

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

Course Content

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

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

Year 1

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

Year 2

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

Year 3

- Placement Year*

Year 4

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

*Placement Year

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

Why Queen's?

City Scholarships

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

Student Societies

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

BSc Honours

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

See also Finance and Mathematics with Finance

Entrance Requirements

A-level:

A*AA including Mathematics

OR

AAA + A (AS) including A-level Mathematics

For students whose first language is not English

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

runs social and educational events for members, such as the end-of-year formal.

Software

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

Accreditation

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

Prizes and Awards

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

Careers/Further Study

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

Consultations

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

The establishment of SoNIA (Society of Northern Ireland Actuaries) by staff in Queen's Management School has facilitated a continuous and seamless engagement between academics, actuarial employers and Queen's students whereby students can gain access to the profession. They have an opportunity to discuss issues that are concerning the industry and that are of importance to qualified

actuaries. Students can also develop excellent networking, communication, and business awareness skills from the start to end of their academic progression ensuring that they can fully compete in the competitive graduate employment market.

Placement Employers

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

Graduate Careers and Achievements

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

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

The traditional areas in which actuaries are employed include:

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

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

Further Study

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

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

enhance those which are mentioned in this brochure.



"The course is widely regarded and respected, and has opened many doors personally in relation to 'Insight' visits in Belfast, Glasgow, Edinburgh and London."

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

Entrance requirements

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

Course information

Dr Mark Farrell,
Programme Director
Queen's Management School
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T: +44 (0)28 9097 4819
www.qub.ac.uk/mgt

AEROSPACE ENGINEERING

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

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

Course Content

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

Major study themes are:

Aircraft Design

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

Aerodynamics, Fluid Mechanics and Propulsion

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

Flight Mechanics and Avionics

The motion of aircraft in 3D space is highly complex, and students are introduced to how aircraft handling and performance are linked to the many systems within

an aircraft. Avionics demonstrates how instrumentation can be used for navigation and for understanding concepts such as GPS and communications systems.

Structural Design, Manufacturing and Materials

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

Professional Studies

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

Why Queen's?

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

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

BEng Honours

Aerospace Engineering 3 yrs (H400)
Aerospace Engineering with a Year in Industry 4-yr SW (H404)

MEng Honours

Aerospace Engineering 4 yrs (H402)
Aerospace Engineering with a Year in Industry 5-yr SW (H405)

See also Mechanical Engineering and Product Design Engineering

Entrance Requirements

BEng

A-level:

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

BTEC Extended Diploma:

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

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

BTEC Higher National Diploma:

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

MEng

A-level:

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

BTEC Extended Diploma:

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

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

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

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

For students whose first language is not English

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

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

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.

Aerospace Engineering at Queen's is ranked 11th in the Times and Sunday Times Good University Guide 2017.



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

Robbie Stevens, Hollywood, Northern Ireland
MEng Aerospace Engineering graduate

Entrance requirements

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

Course information

Dr Juliana Early, Programme Director for Aerospace Engineering
School of Mechanical and Aerospace Engineering
E: mech.aero@qub.ac.uk
T: +44 (0)28 9097 4147
www.qub.ac.uk/mechaero

AGRICULTURAL TECHNOLOGY

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

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

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

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

Additionally, the Agricultural Technology with Professional Studies programme enables graduates to gain an understanding of the application of their degree to the workplace and career management planning.

Course Content

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 and Farm Buildings

Stage 2

- Agri-food Business Marketing and Management
- Crop Production Systems
- Livestock Production and Management
- Work Placement (16 weeks)

Year Out (Professional Studies programme only)

Students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work.

BSc Honours

Agricultural Technology 3 yrs (D473)
Agricultural Technology with Professional Studies 4-yrs SW (D470)

Entrance Requirements

A-level:

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

OR

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

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

Relevant Subjects:

Agricultural Science, Biology, Chemistry, Computer Science, Environmental Science, Geography, Geology, Home Economics, ICT, Mathematics, Physics, Physical Education, Psychology, Technology & Design. Other subjects considered on an individual basis.

BTEC Extended Diploma:

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

For students whose first language is not English

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

Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies, BIO3303. Students unable to secure a year placement will be transferred to the BSc Agricultural Technology programme.

Stage 3

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

Why Queen's?

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 this three-year degree are required to complete a 16-week work placement period as an integral component of Stage 2. Professional Studies students will spend a minimum of 46 weeks in a work placement. Past students have gained work placement with organisations such as the Agri-Food and Biosciences Institute, Countryside Services, Dale Farm, Fane Valley, John Thompson and Sons, Monaghan Mushrooms, Moy Park, and Millridge Ltd and Tamar Farming Co. (both in New Zealand).

Careers/Further Study

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

Employer Links

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

Students organise an industry symposium as part of final year, providing opportunities to engage with key stakeholders within the local industry.

In addition, major employers such as Dunbia, Moy Park and John Thompson and Sons have contributed competitive bursaries to support students on these degrees.

Placement Employers

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



Further Study

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

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

Entrance requirements

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

Course information

Dr Niamh O'Connell,
Reader
School of Biological Sciences
E: Biosciences-ug@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

ANTHROPOLOGY

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

Course Content

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

1. What Makes Us Human?

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

2. Conflict, Peacebuilding and Identity.

Modules may include: Us & Them: Why We Have Ingroups and Outgroups; Conflict and Peace in Comparative Perspective.

3. Arts, Creativity and Music.

Modules may include: Evocative Cultures: Image, Sound, Performance; Sound Cultures: Music and Noise from Around the World.

4. Morality, Religion and Cognition.

Modules may include: Apocalypse: The End of the World; In Gods We Trust: The New Science of Religion; Moral Psychology and its relation to Politics and Law; Love, Hate, and Beyond.

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

Why Queen's?

Global Opportunities

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

World-class Facilities

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

Internationally Renowned Experts

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

Student Experience

Queen's Anthropology received very high student satisfaction scores in the 2016 National Student Survey.

Careers/Further Study

Careers

Career pathways typically lead to employment in:

1. Development, NGO work, International Policy, Public Sector
2. Journalism, Human Rights, Conflict Resolution, Community Work
3. Arts Administration, Creative Cultural Industries, Media, Performance, Heritage Policy, Museums, Tourism
4. Public and Private Sector related to Religious Negotiation, Peace Building, Multiculturalism, Diversity
5. Teaching in schools
6. Academic Teaching and Research

BA Single Honours

Anthropology 3 yrs (L600)

BA Joint Honours

Anthropology and English 3 yrs (QL36)

Anthropology and French 4 yrs (RL16)

Anthropology and History 3 yrs (VL16)
(see page 104)

Anthropology and Irish 3 yrs (QL56)

Anthropology and Spanish 4 yrs (LR64)

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

Entrance Requirement

A-level:

BBB

All applicants:

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

For students whose first language is not English

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

Close Links with Employers

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

Current placement partners include:

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

Further Study

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

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

Samuel Ward

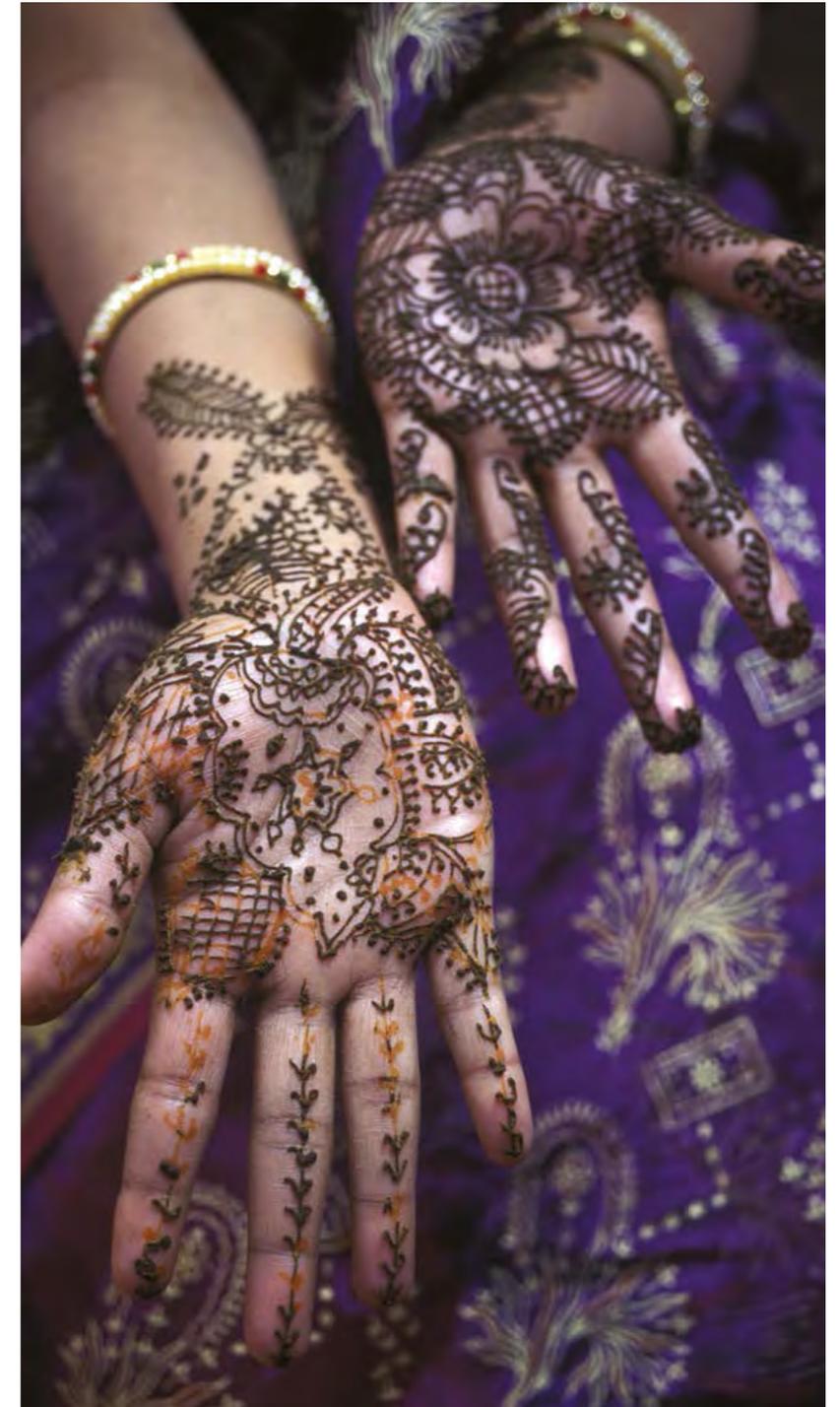
Entrance requirements

E: admissions@qub.ac.uk

T: +44 (0)28 9097 3838

Course information

Dr John Knight,
Subject Convenor
School of History, Anthropology,
Philosophy and Politics
E: j.knight@qub.ac.uk
T: +44 (0)28 9097 3703
www.qub.ac.uk/happ



ANTHROPOLOGY AND HISTORY

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

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

Course Content

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

HISTORY

Year 1

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

Year 2

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

Examples include:

- 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

Year 3

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

Examples include:

- 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.

ANTHROPOLOGY

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

1. What Makes Us Human?

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

BA Joint Honours

Anthropology and History 3 yrs (VL16)

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

Entrance Requirements

A-level:

BBB

All applicants:

There are no specific subject requirements to study Anthropology and History

For students whose first language is not English

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

2. Conflict, Peacebuilding and Identity.

Modules may include: Us & Them: Why We Have Ingroups and Outgroups; Conflict and Peace in Comparative Perspective.

3. Arts, Creativity and Music.

Modules may include: Evocative Cultures: Image, Sound, Performance; Sound Cultures: Music and Noise from around the World.

4. Morality, Religion and Cognition.

Modules may include: Apocalypse: The End of the World; In Gods We Trust: The New Science of Religion; Moral Psychology and its relation to Politics and Law; Love, Hate, and Beyond.

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

Why Queen's?

Global Opportunities

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

Study Abroad: all students within this degree programme will have the possibility of opting to study for a semester abroad 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.

Industry Links

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

Top Ranking

History at Queen's has been placed in the QS World University Rankings top 150 History departments in the world for 2016. Anthropology at Queen's is ranked 6th in the UK for this subject (Times 2016).

Careers/Further Study

Careers

Skills to enhance employability

Studying for a degree in Anthropology and History at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including Anthropology and History.

Employment

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

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

Further Study

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

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

Genevieve Bigger

Entrance requirements

E: admissions@qub.ac.uk

T: +44 (0)28 9097 3838

Course information

Dr Sparky Booker
School of History, Anthropology,
Philosophy and Politics

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T: +44 (0)28 9097 3880

www.qub.ac.uk/happ



ARCHAEOLOGY AND PALAEOECOLOGY

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

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

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

Course Content

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

Note: some modules may be subject to change.

Level 1

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

Level 1 Modules

- Ancient Humans and Landscapes
- Archaeological Excavation
- 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 disciplines

Levels 2 and 3

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

Level 2 Modules

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

BA Single Honours

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

BA Joint Honours

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

BSc Single Honours

Archaeology-Palaeoecology 3 yrs (V400)

BSc Joint Honours

Archaeology-Palaeoecology and Geography 3 yrs (VF48)

MSci Honours

Archaeology 4 yrs (V403)

Entrance Requirements

BA Honours

A-level:

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

BSc Honours

A-level:

BBB + GCSE Mathematics grade C

BSc Joint Honours

A-level:

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

MSci Honours

A-level:

AAB + GCSE Mathematics grade C

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

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

Conor Mcadams
BSc Archaeology-Palaeoecology Graduate (2014)

Currently undertaking PhD research in the University of Wollongong, New South Wales, Australia

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

Level 3 Modules

- Medieval Settlement
- Metals, Miners and Merchants: From Stone to Steel
- Monuments and Ritual in European Prehistory
- Palaeolithic Pioneers: Adaptation & 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 disciplines

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

Why Queen's?

Facilities: the School boasts the internationally renowned 14CHRONO Centre for Radiocarbon Dating, the Centre for Archaeological Fieldwork, departmental collections and laboratories for study of artefacts, human and animal remains 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, commercial unit obtains work from, for example, the HED, landscape partnerships and civil engineering companies, which exposes students to employers and provides the unit with information on what the market requires from Archaeology – information that is fed into our modules, especially those on field techniques.

Further study 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.



Entrance requirements

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

Course information

School Office
School of Natural and Built Environment
E: snbe@qub.ac.uk
T: +44 (0)28 9097 3350 / 3829
www.qub.ac.uk/schools/NBE/

Queen's University, as part of the Russell Group, is one of the best places to study Architecture in the UK. For 2017, we were ranked third for satisfaction with teaching in the Guardian League tables.

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

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

Course Content

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

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

Stage 1

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

Stage 2

Stage 2 acts as a laboratory for testing creative and critical ideas and the

process of creating. We continue to support students' increasing levels of confidence and independence through developing more complex architectural skills and understanding of technology.

Stage 3

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

Why Queen's?

Accreditation

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

Study Abroad and Work Experience

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

BSc Honours

Architecture 3 yrs (K100)

Entrance Requirements

A-level

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

All applicants

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

The entrance requirements outlined above reflect the demands of the BSc, but acknowledge that the highest A-level performance is not always an indicator of an applicant's suitability for the degree.

For students whose first language is not English

An IELTS score of 6.5 with a minimum of 6.0 in Speaking and Listening and 5.5 Reading and Writing, or an equivalent acceptable qualification, details of which are available at: go.qub.ac.uk/EnglishLanguageReqs



Excellent Facilities

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

Careers/Further Study

In recent years over 75 per cent of our students have graduated with a First Class or 2.1 degree. This level of attainment translates into a higher percentage of our graduates entering many types of graduate employment.

Compared to national statistics, a greater number of our graduates progress to RIBA Part II and go on to register as architects, reflecting the confidence and focus gained through this degree. It is an education in design, visual appreciation and problem solving – skills and knowledge which are valuable in many types of careers. Our 'Success Through Architecture' research project, which runs with our BSc Stage 3 and Master's of Architecture students, illustrates the many career routes and types of architect possible through

studying architecture, from Part I through to full professional registration. (See 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

Entrance requirements

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

Course information

Dr Gul Kacmaz Erk
School of Natural and Built Environment
E: g.kacmaz@qub.ac.uk
T: +44 (0)28 9097 4006
www.qub.ac.uk/schools/NBE/

AUDIO ENGINEERING

The programme is designed for students interested in pursuing a career in engineering within the audio and digital media industries. You will gain technical skills and knowledge relevant to the broader field of electrical and electronic engineering including electronics, embedded systems, computer programming and mathematics. You will also gain practical experience of recording, editing, mixing and mastering music using professional studio facilities and in designing new hardware/software musical instruments and interfaces.

Course Content

Level 1 of the programmes consists of six compulsory modules which introduce students to core technical skills and engineering fundamentals including electronics, embedded systems, computer programming and mathematics. Students also gain thorough grounding in sound recording principles and practical experience of audio mixing.

Level 2 also consists of six compulsory modules. These modules further develop students' understanding of electronics, embedded systems and computer programming with the latter topic focusing more specifically on the development of audio software applications. Audio engineering practice is facilitated through collaborative music recordings with student ensembles and the design of new musical instruments and musical interfaces.

Level 3 introduces students to the principles of auditory perception and the architecture of digital audio effects. Students can also opt to take modules in spatial audio mixing, further sound recording practice, musical interaction design or work placement. The programme concludes with the completion of a double-weighted technical project focusing on the design of new hardware and/or software tools for audio applications.

Why Queen's?

World-class Facilities

The School is one of the largest and best-equipped institutions in the UK working in the field of music and sound. Students have access to state-of-the-art audio resources including the world's first Sonic Laboratory – a unique performance space capable of three-dimensional sound projection.

Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and audio production.

Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for audio post-production are embedded into the curriculum.

Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include DTS, Pi Communications, RTÉ, Production House,

BSc Honours

Audio Engineering 3 yrs (J930)

See also Music and Audio Production, Music and Sound Design, Broadcast Production, Electrical and Electronic Engineering

Entrance Requirements

A-level:

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

BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit. Distinctions will be required in stipulated relevant units + GCSE Mathematics grade C.

BTEC Higher National Diploma:

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

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

For students whose first language is not English

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

Start Together Studios, Redbox Recording, Smalltown America Studios, Blast Furnace Studios and Sonic Visuals.

Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Oberlin College, Ohio, Capital University, Ohio and University of Groningen.

Careers/Further Study

Companies currently employing our graduates include Google, BBC, UTV, Apple, BT, Rapid 7, Sensum, Mogeels Ltd, Storyful, Cased Dimensions, Universitat Pompeu Fabra, Steven's Institute of Technology and Queen's University Belfast.

Further study, including Master's programmes, is also an option; see the School website for further information.

"The course had the right balance between the technical and creative aspects of music technology. During the course of my studies I discovered interests I didn't realise I had in acoustics and computer programming. The staff are clearly passionate about their subject areas, which really motivates and inspires. This also created a friendly environment to study and learn in."

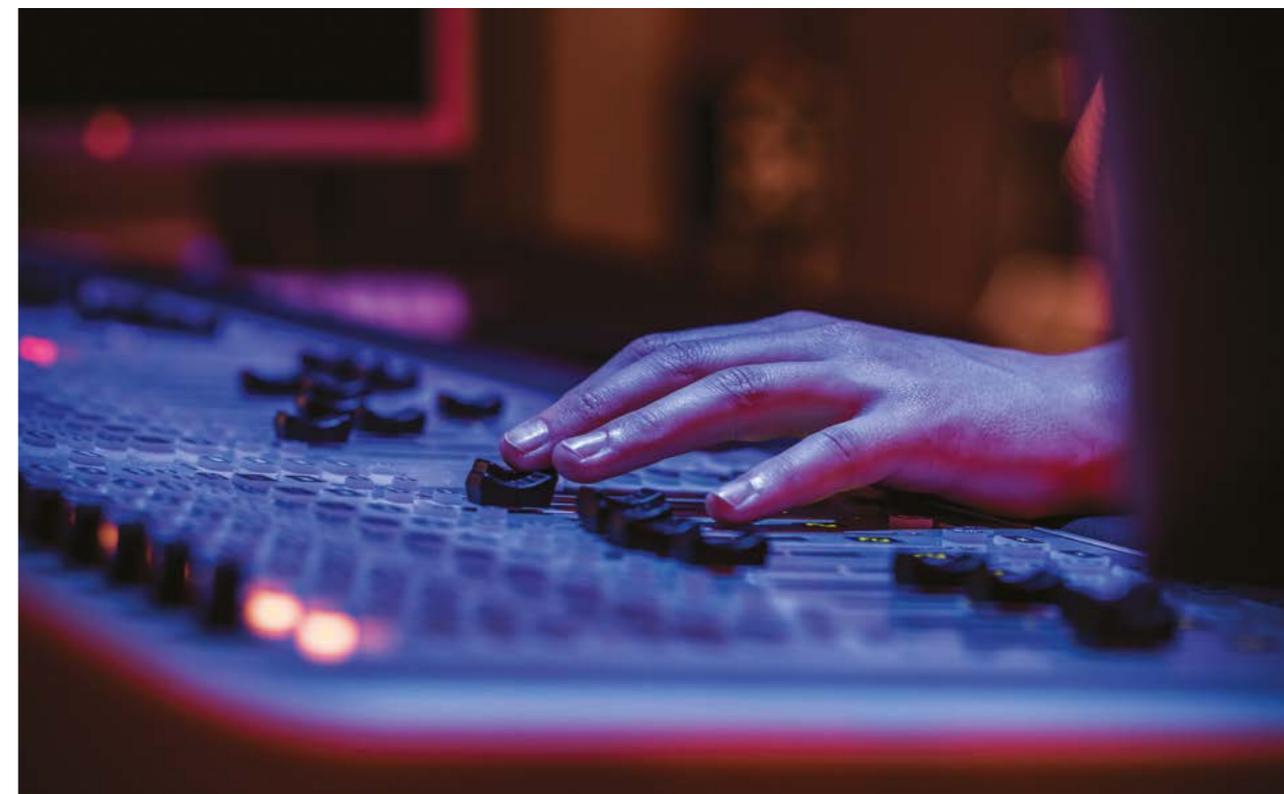
James Mackenzie, BSc Music Technology and Sonic Arts graduate 2014

Entrance requirements

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

Course information

Dr Simon Mawhinney,
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B BIOCHEMISTRY

Biochemistry

Biochemistry is the molecular basis of life. It applies chemical principles to some of the most exciting problems in the life sciences industry, explains how drugs work, helps us understand what goes wrong in diseases, and enables 'genetic engineering'. Consequently, the subject is essential to drug discovery, biotechnology and biomedical research.

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 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.

Course 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
- Work Placement (16 weeks)

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

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

Stage 4 (MSci only)

- Research Project

Students carry out a full-time research project under the supervision of academic staff based in one of the School's biochemistry research laboratories. There are no taught modules or examinations in this year, thereby allowing students to concentrate fully on their research projects.

Why Queen's?

Degree Recognition: 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.

BSc Honours

Biochemistry 3 yrs (C700)
Biochemistry with Professional Studies
4-yr SW (C704)

MSci Honours

Biochemistry 4 yrs (C702)
Biochemistry with Professional Studies
5-yr SW (C705)

Entrance Requirements

BSc

A-level:

BBB including Chemistry and Biology + GCSE Mathematics grade C

OR

ABB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

MSci

A-level:

AAB including Chemistry and Biology + GCSE Mathematics grade C

OR

AAA including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

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

Option to Transfer: transfers between BSc and MSci may be possible at the end of Stage 2.

All applicants: where A-level Biology, Mathematics or Physics are not offered, A-levels in three other subjects including Chemistry and AS-level Biology would be considered.

For students whose first language is not English

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



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 University website for further study information.

Biochemistry graduates are eligible to study for a PGCE (a qualification enabling graduates to teach in schools) in either Biology or Chemistry – subjects in demand in schools across the UK

Studying for a Biochemistry degree at Queen's allows students to study some of the most exciting problems in the life sciences industry, including drug discovery, biotechnology and biomedical research. Students can complete an optional work placement, to develop core skills and employment related experiences, valued in industry.

Entrance requirements

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

Course information

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

BIOLOGICAL SCIENCES

Biological Sciences encompasses many aspects of the biosciences, from molecules to ecosystems and includes exploration of:

- Biological diversity, systematics and conservation
- Cell and tissue structure, function and physiology
- Ecology and behaviour
- Form and function of microorganisms, protists, fungi, plants and animals
- Genetics and mechanisms and pathways of evolution

Course Content

Throughout Stages 1 and 2 of the Biological Sciences degrees, practical classes in Biological Sciences reinforce and complement the theory, providing students with the solid foundation on which to build upon for Stage 3 (and Stage 4 as necessary).

Stage 1

- Molecular Basis of Life
- The World of Microorganisms
- Biodiversity

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

Stage 2

- Animal Biology and Physiology
- Cell Biology 2
- Ecology and Evolution
- Animal Behaviour
- Microbes in Action
- Work Placement (16 weeks, BSc programmes only)

Year Out

(Professional Studies programmes only)

All students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies.

Stage 3

- Research Project
- Parasitology and Zoonoses
- Plant Biology and Rhizosphere Interactions
- Conservation Biology
- Industrial Microbiology
- Immunology and Virology

During Stage 3, students in Biological Sciences take a two-module research project under the supervision of a member of the academic staff. The research project generally involves practical work carried out in the field and/or laboratory.

Stage 4 (MSci Programmes Only)

- Research Project

Why Queen's?

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 (three-year degree) or year-long work placement (four-year degree). In previous years, students have gained placements with organisations such as Almac Pharma Services, Norbrook Laboratories, Warner Chilcott, Northern Ireland Environment Agency, Belfast Zoo, the National Trust, Atlantic Whale Foundation, and the RSPB. In

BSc Honours

Biological Sciences 3 yrs (C100)
Biological Sciences with Professional Studies
4-yr SW (C104)

MSci Honours

Biological Sciences 4 yrs (C102)
Biological Sciences with Professional Studies
5-yr SW (C105)

See also Biochemistry, Marine Biology,
Microbiology and Zoology

Entrance Requirements

BSc

A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C
OR

BBB including Double Award Applied Science + 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: it would be an advantage to have studied Chemistry beyond GCSE level.

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

Option to Transfer:

Transfers between BSc and MSci may be possible at the end of Stage 2.

For students whose first language is not English

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

Biological Sciences graduates tackle worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues. Students on this programme can choose to complete an optional work placement to develop the core skills and employment related experiences valued by employers.



addition, students can avail of opportunities to undertake short summer placements abroad through programmes such as IAESTE, Operation Wallacea, and Frontier.

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.

"The science courses offered by Queen's are of a really high quality and the fact that this course offers a year out placement, is extremely beneficial to my future career."

Tiffany McConnell
BSc Biological Sciences with
Professional Studies

Entrance requirements

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

Course information

Dr Angela Mousley
School of Biological Sciences
E: biolsci@qub.ac.uk
T: +44 (0)28 9097 5787
W: www.qub.ac.uk/bb

B BIOLOGICAL SCIENCES (FD)

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. Students studying the FdSc in Biological Sciences will develop understanding of:

1. the relevance of biological sciences in the current economic environment
2. the hierarchical nature of biological sciences ranging from molecular level to whole organism and species interactions
3. the need for competence and dexterity in contemporary biological practical techniques and cognate disciplines
4. a professional approach to work, study and lifelong learning

This course is taught at Belfast Metropolitan College, Belfast.

Course Content

Year 1

- Fundamentals of Science
- Mathematical and Study Skills in Science
- General Chemistry
- Biochemistry
- Biology

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
- Food Biochemistry
- Ecology and Environmental Biology
- Molecular Biology and Genetics
- Microbiology

In addition to subject knowledge, modules aim to develop skills in critical, independent thought and management and decision-making. Year 2 modules include applied

topics which will allow students the opportunity to consider progression into a range of honours degree courses.

The modules introduce a wide range of up-to-date biological techniques including genetic manipulation, electron microscopy, physiological studies of living organisms and modern approaches to ecology and evolution.

Why Queen's?

Professional Accreditation

Graduates of the FdSc are eligible for Registered Science Technician (RSciTech) status, conferred by the Science Council and with appropriate CPD would be eligible for Registered Scientist status (RSci). The Society of Biology also confers varying levels of membership depending on qualifications and experience.

Progression

Students who successfully complete the Foundation Degree with an overall weighted mark of 55% and, in addition, at least 55% in each module assessed in final year will be eligible to progress to degree programmes in the School of Biological Sciences at Queen's.

FdSc (Foundation Degree)

Biological Sciences 2 yrs (C101)

Based at Belfast Metropolitan College

Entrance Requirements

A-level:

CC including Biology or Double Award Applied Science + 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 6.5 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

Biological Scientists tackle worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues. Students who successfully complete the Foundation Degree will be eligible to progress to degree programmes in the School of Biological Sciences at Queen's.

Entrance requirements

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

Course information

Roisin Madigan/Dr Paul Mensink,
Course Co-ordinators
Belfast Metropolitan College/
Queen's School of Biological
Sciences

E: biolsci@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

Careers/Further Study

The FdSc is a new programme with the first graduates expected in July 2018. Our graduates in similar programmes are employed in organisations working within environmental monitoring and management, water quality management, animal welfare, academic research, the agri-food industries, biotechnology and pharmaceutical industries, teaching and education, and science communication. These employment areas have always

been important, but have now become increasingly so due to worldwide problems such as climate change, food supply and security, biodiversity loss and global health issues.

Successful students will be eligible to apply for Year 2 (Stage 2) of the BSc (Hons) in Biological Sciences provided they meet certain academic criteria. Students who have successfully completed the Foundation Degree may also have the opportunity to study different (full) degrees.



B BIOMEDICAL SCIENCE

Biomedical Science comprises the sciences related to medicine and in particular these specialist disciplines of diagnostic Biomedical Science as practised in Health Service Laboratories:

- Clinical Bacteriology and Immunology
- Clinical Biochemistry
- Haematology and Transfusion Science
- Histopathology and Cytology

Further modules provide a sound background to other fundamental areas of Biomedical Sciences (including Anatomy and Physiology) along with cutting-edge subject areas of relevance to Life Science careers.

Course Content

Stage 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

Stage 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

Stage 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.

Why Queen's?

Professional Exemptions

This degree, which is accredited by the Institute of Biomedical Science, is widely recognised within the NHS and the pharmaceutical industry.

Industry Links

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.

World-class Facilities

The School has excellent research facilities as well as strong links with clinical departments.

Internationally Renowned Experts

Our teaching staff comprises enthusiastic teachers with world-class

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

The Biomedical Science degree at Queen's is aimed at students wishing to pursue a career in diagnostic laboratory science. This course offers students the chance to undertake a work placement in one of two universities in the USA – the University of Nevada in Reno or the University of Vermont, for a year between second and final year.



research in the biomedical sciences. Professional biomedical scientists from NHS laboratories also make a major contribution to the degree.

Careers/Further Study

The BSc in Biomedical Science at Queen's is aimed at students wishing to pursue a career in:

- Diagnostic laboratory science as Biomedical Scientists within the National Health Service
- Clinical trials relating to drug registration and patents
- Government or Charity-funded research laboratories
- Management careers in the Pharmaceutical or Biotechnology Industries
- Academic Research and Development
- Postgraduate entry to Medicine, Dentistry and allied Health Professions after gaining a strong scientific training at undergraduate level

In addition to graduates in Biomedical Science being interested in pursuing a

career in the field, the degree also affords opportunities for careers in the broad field of medicine and medically-related subjects such as medical sales and science writing. In addition, the degree provides access to graduate jobs 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 or Dental degrees both at Queen's University Belfast and abroad.

Entrance requirements

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

Course information

Dr Stephen McCullough,
Centre for Biomedical Sciences
Education
E: biomedsci@qub.ac.uk
T: +44 (0)28 9097 2215
www.qub.ac.uk/mdbs

"The knowledge and practical lab skills that I have developed over the past three years has allowed me to start my career as a biomedical scientist in a NHS haematology laboratory. This would not have happened without the high standard of teaching from leading researchers in a variety of different fields and the continued support from Queen's."

Ceara Burke,
BSc (Hons) Biomedical Science
Graduate, 2016

BROADCAST PRODUCTION

Broadcast Production is an intensely practical programme, grounded in critical theory, that will prepare students for contemporary content and programme-making in television, radio, journalism, and other new and emerging digital media platforms.

Course Content

Year 1

Six core modules:

- Broadcast analysis I*
- Broadcast production skills I*
- Sound recording principles*
- Broadcast analysis II*
- Broadcast production skills II*
- Editing for Film and TV*

Year 2

Three optional modules from:

- Broadcast Journalism
- The Radio Programme*
- Sound design for Screen
- Interactive & Immersive Media*
- Broadcast Popular Genres
- The Television Programme*
- Screen Industries in Europe
- Creative Writing for Radio

Year 3

Three optional modules per semester, from:

- Broadcast Media Project I* & II*
- Gender and broadcasting
- Language in the media
- Broadcasting in post-conflict societies
- Dissertation (theory)
- Professional practice
- Work placement
- Broadcasting & Identity

*Compulsory modules

Why Queen's?

Industry Links

Work placement will be a significant aspect of the course. An industry advisory panel has been set up to offer advice on developments in the industry, keeping content and teaching practice relevant to the needs of employers in this area.

World-class Facilities

Access to a television studio with full broadcast-quality LED lighting using electrically-controlled hoists and green screen; off-line and on-line editing suites, utilising software such as Avid Media Composer, DaVinci Resolve and Pro Tools; access to the Sonic Arts Research Centre for audio training and industry standard audio recording and post production equipment; full high-definition cameras are available, as are substantial lighting and grip kits for location work.

Student Experience

We are an Avid Authorised Learning Partner for Pro Tools and Media Composer, offering certified industry-approved training integrated into the degree – a highly sought-after qualification internationally.

Careers/Further Study

Studying for a Broadcast Production 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 will be well regarded by many employers and over half of all graduate jobs are now open to graduates of any discipline.

BA Honours

Broadcast Production 3 yrs (P310)

Entrance Requirements

A-level:

ABB

All applicants:

There are no specific subject requirements to study Broadcast Production.

For students whose first language is not English

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

Broadcast Production, with its substantial practice and professional components, provides an excellent background for work in radio, television and other media and creative industries. A degree in Broadcast Production can lead to careers in education, training and arts administration as well as offering a wide range of career possibilities including postgraduate study.

Graduates in related areas of the School have gone into a diverse range of careers.

Further study is also an option. A Master's in Broadcast Media is available in the School. Based in the same department, those students who wish to continue their studies in this area can move to a fourth year full-time to complete a Master's.

Employment Links

The course has already built strong links with local broadcasters, such as BBC Northern Ireland and other relevant organisations, like Northern Ireland Screen. Many of these organisations are members of the industry advisory panel for the degree.

Employment after the Course

This new course is designed for those interested in factual programme making for television, radio, journalism and online media content creation. Many of the skills acquired are transferable across different disciplines but primarily this highly practical course will most appeal to those seeking employment in the creative industries.

Further Study

Further study, including Master's programmes, is also an option; see the School website for further information.

"A graduate from this course will have a number of significant skills such as being able to research topics, to understand the broadcasting industry both critically and academically. They will be able to lift cameras, edit still and moving images, record sound, present and write story and programme ideas. Then get these stories published online utilising new and emerging digital platforms. Broadcasting students will have a profound understanding of how to create content for online distribution and develop important new digital literacy skills that employers are telling us, are much needed by broadcasters both now and in the future."

Dr Declan Keeney,
BMus, MA, PGCHET, FHEA, PhD
Head of Broadcast Production



Broadcast Production is one of the most practical and vocationally biased television and radio content creation degrees offered at any Russell Group University in the UK.

Entrance requirements

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

Course information

Dr Declan Keeney
School of Arts, English and Languages
E: d.keeney@qub.ac.uk
T: +44 (0)28 9097 1403
www.qub.ac.uk/ael

The BSc Business Economics degree blends elements from both the Economics and Business Management degrees. Students in Business Economics should have an interest in using economic theory and thinking in applied business settings. This degree has less of an emphasis on using mathematics compared to a traditional economics degree and the programme fosters numerical skills through the use of up-to-date business applications.

Course Content

The emphasis of this degree is on those aspects of economics that are of most importance in a business setting. Students study both Introduction to Business Economics and Applied Economics in the first year, along with Accounting, Finance and Business Management modules. This is followed in Years 2 and 3 by modules in economics and modules related to business economics. With the flexibility in this degree, students should not only develop good numeracy skills, but also specialisation in quantitative aspects of the subject.

Students will cover a range of topics and modules including:

Year 1

- Introduction to Business Economics
- Applied Economics
- Financial Institutions and Markets
- Quantitative Methods
- Accounting for Non-Specialists
- Organisational Behaviour

Year 2

- Macroeconomic Policy and Performance
- Managerial Economics
- Data Analysis and Optimisation

Students will be able to choose three additional modules from a range which may include:

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

Year 3

Students will be able to choose three additional modules from a range.

Semester 1 optional modules may include

- Labour Economics
- Economic History
- Business Analysis
- Supply Chain Management
- Entrepreneurship
- Managing Innovation

Semester 2 optional modules may include

- Economics of Corporate Strategy
- Public Economics
- International Trade
- Business Ethics
- Business Strategy
- Changing Organisations

Why Queen's?

Student Satisfaction

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

Placements

Business Economics students may take an optional placement year after their second year. Recent placements from students studying economics and business economics include PwC, KPMG, Citi, Oxford Economics, Belfast City Council, First Derivatives, and Tayto Group Ltd.

Student Experience

Students can join the Trading and Investment Club, a student run organisation which aims to educate its members on trading and investing

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

through guest speakers, competitions and educational seminars.

Prizes and Awards

- Shaw Memorial Prize for best-performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics

Careers/Further Study

This degree prepares students for a variety of careers in the public and private sectors. Graduates have been employed as professional economists or as managers or administrators. Depending on the choice of modules, this degree also prepares students for postgraduate studies in Economics and related disciplines.

Those pursuing a career in Business Economics should be effective communicators and work well with people, as they will have to analyse and interpret a range of information to meet the needs of different users, including managers and investors. Business Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

"Business Economics allows you to gather a vast array of skills through the various different methods of assessments offered – assignments, group projects, presentations and research projects. As the course allows you to choose three out of six modules in second year, you are able to focus more on the topics you're interested in and tailor the degree to suit your preference. During the first semester of my second year, I was able to secure a placement with the successful drinks company Diageo."

Rhianna Donaldson,
BSc Business Economics

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret economic, financial and business-specific information and work productively as part of a team.

Students graduating with a degree in Business Economics from Queen's are well placed to secure a range of employment opportunities in economics and management in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, careers in banking, as well as more generalist positions in business and management.

Typical career destinations of graduates include:

- Professional Economists
- Accountancy
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments



Employment Links

Graduate employers include PwC, EY, KPMG, Deloitte, BDO, Ulster Bank, Bank of Ireland, First Trust, Northern Ireland Civil Service, Northern Ireland Statistics & Research Agency, JP Morgan, Morgan Stanley, BBC, National Trust.

Further Study

Further study is also an option open to BSc Business Economics graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

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

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

Entrance requirements

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

Course information

Dr Alan Fernihough,
Programme Director for BSc Business Economics
Queen's Management School
E: a.fernihough@qub.ac.uk
T: +44 (0)28 9097 5452
www.qub.ac.uk/mgt

B BUSINESS INFORMATION TECHNOLOGY

Much of today's business now operates in a dynamic, fast-paced and technologically advanced environment. It is hard to imagine a world where business processes and financial transactions are not managed by technology. Companies require individuals who can bridge the gap between business management and technology.

This degree aims to give students a sound knowledge of information technology fundamentals, and their application in business, and a firm foundation in management to address a growing need for globally ready leaders in business technology.

The School has links with over 500 IT companies both here and abroad. We benefit from the fact that there are more software companies located in Northern Ireland than in any other part of the UK, outside of London. This benefits our students on many levels – from industrial input to the content of our degree, through to year-long and summer placements, as well as activities such as competitions organised by the companies.

Course Content

A key feature of this degree is the emphasis on the application of advanced information technology in a business environment, and students study both the enabling technology for e-commerce and how that technology may be exploited for business advantage. A further key feature is the active development of students' innovation and entrepreneurial skills.

The degree is organised around the following themes:

- Business Practice, Software Development
- Computer Architecture (including computer networks)
- Entrepreneurship within an IT Environment
- Management IT (including e-commerce)
- Management Principles and Information Technology (including multimedia)

Professional Experience

A range of modules builds progressively on each of these themes throughout the first two years. Students then undertake a full year's paid placement, which is an opportunity both to put into practice the principles learned to date and to gain practical experience of the business world. It is expected that students will gain a City & Guilds Licentiate ship 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:

BSc Honours
Business Information Technology with a Year in Industry 4-yr SW (GN51)

Entrance Requirements

A-level
AAB/ABB + GCSE Mathematics grade C

BTEC Extended Diploma
Any BTEC Extended Diploma with 140/120 credits at Distinction and 40/60 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

- 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

Why Queen's?

Facilities: students have access to a wide range of computers (laboratories are equipped with several hundred PCs) and specialised software packages.

Placement: all students undertake a paid placement year in industry. The School has links with over 500 local, national and international organisations, and examples of companies where our students have spent their placements include Microsoft, Fujitsu, Bank of Ireland, Bank of Scotland, PricewaterhouseCoopers, PA Consulting Group and Belfast City Council.

Careers/Further Study

More than ever, there is a real need for skilled managers in the contemporary, technology-driven environment. They are required to have an understanding of the fundamental principles of computer science, information technology and management with an emphasis on application of advanced information technology in a business environment.

Employers, from large multinational firms to small local organisations actively target our students, recognising that our graduates are equipped with the skills they need. 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.

Entrance requirements

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

Course information

School of Electronics, Electrical Engineering and Computer Science
E: eeecs@qub.ac.uk
T: +44 (0)28 9097 1194
www.qub.ac.uk/eeecs

"This degree covers a broad spectrum of topics in the areas of Business and IT. My choice for BIT came about as I was interested in both subjects and in doing this degree I could find a middle ground. There was also the added 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



Upon successful completion of this degree, students should have acquired and enhanced their knowledge and understanding of a wide range of management issues, including harnessing technology effectively, leading and managing people, leading change, managing creativity and innovation, markets and resources, managing in the global business environment, strategic management, and working in teams.

Course Content

Stage 1

Students take six compulsory introductory modules, which set the context and foundation for the remainder of the degree. The focus will be on organisations, their structures, behaviours and the changing external environment within which they operate.

Modules will cover accounting, economics, the history and philosophy of management, marketing principles, organisational behaviour and how business, government and society interact.

Stage 2

Students take six compulsory modules covering issues such as, leadership, decision-making through effective data analysis and interpretation, internationalisation, the digital business, statistics, managing human resources, and operations management.

Stage 3

The final year of the programme will see students taking modules that cover business ethics and strategic management. Students will also be afforded a choice of modules where they can focus on innovation management, consumer behaviour, supply chain management or public sector management. Students will also be afforded the opportunity to conduct a consultancy or business start-up project.

Why Queen's?

Placement

The School is an active participant in international exchange programmes and has excellent relationships with local, national and international organisations. The four-year degree includes a compulsory placement year between Stages 2 and 3.

Industry Links

The Management School invites guest speakers from industry to talk to students about latest trends and to apply theory to practice. Students also get the opportunity to work on consulting type projects preparing them for employment.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research.

Student Experience

Students can join the Trading and Investment Club, a student run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

Study Abroad

The Study USA programme provides students with the funded opportunity to study for a year in a US university.

Prizes and Awards

A number of prizes and awards are made on an annual basis from local employers including CIMA Ireland, PwC, Bombardier Aerospace, and Allen and Overy, plus the Sir William Crawford Prize. Foundation Scholarships are also available.

BSc Honours

Business Management 3 yrs (N201)
Business Management with Placement
4-yr SW

See also International Business with a Language

Entrance Requirements

A-level:

ABB + GCSE Mathematics B

Note: there are no specific subjects required and it is not necessary to have previously studied Business Studies or Management.

For students whose first language is not English

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



Careers/Further Study

This degree provides graduates with the knowledge and skills to secure employment in a wide range of occupations in the public, private and voluntary sectors. Those pursuing a career in business management should enjoy working with people and should be effective communicators, able to engage with a range of stakeholders including senior management, consumers and consumer groups, government representatives and policy makers.

Career options are extremely varied and the employment opportunities for our graduates remain strong. In recent years, they have secured positions in local, national and multinational organisations in the public, private and voluntary sectors in management areas such as business development, marketing, market research, human resources, operations, supply chain, training and development, analysts, accounting, finance, inward investment, and consultancy.

Typical career destinations of graduates include:

- consultancy
- new venture creation
- operations
- supply chain and quality
- advertising, business development, marketing, market research, export marketing

- human resources, recruitment, training and development
- new product development, accounting, finance
- inward investment, exporting

Employment Links

Graduate employers include PwC, Randox, Deloitte, BDO, Bombardier, Google, Microsoft, Unilever, Mercer, Accenture, KPMG, Diageo, M&S, Tesco, Local Government including Councils, Health Trusts, College and Universities, Invest Northern Ireland, Bank of Ireland.

Further Study

Students are also well equipped to undertake further study in management or other related disciplines, and can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

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

"I chose the Business Management programme at Queen's because of its high reputation and attractive content. As an International student, the lectures and tutorials are easy to understand and academically stimulating which will help build my knowledge and skills for further studies and career opportunities."

Liangyu Zhang,
Beijing, China
3rd year BSc Business Management student

Entrance requirements

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

Course information

Dr Kristel Miller,
Programme Director
Queen's Management School
E: kristel.miller@qub.ac.uk
T: +44 (0)28 9097 4560
www.qub.ac.uk/mgt

CHEMICAL ENGINEERING

Chemical Engineering uses chemistry, mathematics, biology and physics to provide an integrated approach to understanding the changes which take place in processes, from molecular to global scale, and to create methods which can change chemical or physical composition, energy content, structure, or physical state, ie mathematics and science in action.

The subject also involves the application of knowledge to the design, development and operation of plants that process chemical and related products. It borders and overlaps on areas such as mechanical, electrical and civil engineering, chemistry, materials science and biology.

Course Content

All degrees are modular, with six modules (or the equivalent in half-modules) each year. Students take a range of modules in engineering, chemistry and science. To obtain professional accreditation, students must follow a defined pathway.

Stage 1

Students take several modules in Chemical Engineering modules as well as in Chemistry, Mathematics and Electrical Engineering.

Stage 2

Students extend their knowledge of Chemical Engineering and study associated subjects such as computer-aided design and applications, laboratory practice, and professional studies.

Stage 3

Comprises more advanced Chemical Engineering modules, various modules covering aspects of management and professional studies, an in-depth design project and an optional research project.

MEng (Stage 4)

MEng students take a fourth year, when they study research-led modules in advanced Chemical Engineering and specialist topics such as analysis and computer simulation of advanced chemical processes, energy and quality management, and safety

and environmental management. There are further professional studies modules involving an entrepreneurial project in this year, and a major industrial project.

Opportunities to study abroad under the Erasmus exchange programme and Study USA are available. We also have exchanges with Chalmers Technical University in Gothenburg, Sweden, and with Delft Technical University in Delft, the Netherlands.

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).

Why Queen's?

Accreditation

The degrees are accredited by the Institution of Chemical Engineers.

BEng Honours

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

MEng Honours

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

MEng Honours

Chemical Technology 4 yrs (H881)

See also Chemistry

Entrance Requirements

BEng

A-level

BBB including Mathematics and at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied), Physics, Technology and Design or Double Award Applied Science.

BTEC Extended Diploma

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

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

MEng

A-level

AAB including Mathematics at least one from Chemistry (preferred), Biology, Computer Science, Digital Technology, Geography, ICT (not Applied), Physics or Technology & 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.

MEng Chemical Technology

A-level

AAB including Chemistry and Mathematics

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

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

For students whose first language is not English

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

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 Procter & Gamble.

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.



Entrance requirements

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

Course information

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CHEMISTRY

Chemistry is a core science subject that touches almost every aspect of our daily lives, and will become increasingly important in our future knowledge-based society. Chemists develop life-saving drugs, 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.

Course Content

While providing dedicated subject-specific learning, our Chemistry degrees strongly emphasise opportunities to develop generic problem-solving and reflective-working practices applicable to a range of career paths and patterns of employability.

Many of the elements of the BSc are in common with the MSci programme, and allow students to transfer between the two pathways, subject to meeting the appropriate programme requirements. All degrees are modular and all provide a thorough training in the three main subject areas (Inorganic, Organic and Physical Chemistry) through compulsory core modules which offer in-depth study of these three areas.

BSc Honours (Chemistry)

Year 1: comprises a common programme with the Chemical Engineers, giving an understanding of how the two subjects relate to each other and an opportunity to transfer to the other discipline. Key to this is students study both introductory chemistry and chemical engineering and skills modules which equip them to proceed on either degree programme.

In the second semester students then take three modules covering the main fundamental subject areas – inorganic, organic and physical chemistry.

Year 2: students are required to take six modules of chemistry, designed to extend

their knowledge of the traditional subject areas of inorganic, organic and physical chemistry, in addition to introducing aspects of applied chemistry, spectroscopy and theoretical chemistry. Each of the modules contain both practical and coursework components allowing students to develop, practise and demonstrate a wide range of professional skills.

Year 3: in addition to advancing the three main subject areas of organic, inorganic and physical chemistry, students can also select a number of applied options allowing opportunities to specialise. Students have the choice of taking either a research project directly supervised by a member of staff, or a series of three extended mini-projects in each of the main subject areas. Key to both of these options is the acquisition of both subject-specific and generic skills to act as a springboard to a successful career.

Different pathways offer opportunities to specialise through specialist modules and extended practical/ project work. The specialist pathways available consist of additional elements which are:

Chemistry with Study Abroad: students take French or Spanish alongside Chemistry in Stages 1 and 2, then spend a year abroad studying Chemistry in French or Spanish, to return to Queen's for Stage 3.

BSc Sandwich: students spend Year 3 working in industry (subject to availability of

BSc Honours

Chemistry 3 yrs (F100)
Chemistry with a Year in Industry 4-yr SW (F104)
Medicinal Chemistry 3 yrs (F150)
Medicinal Chemistry with a Year in Industry 4-yr SW (F154)

MSci Honours

Chemistry 4 yrs (F105)
Chemistry with a Year in Industry 5-yr SW
Chemistry with 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 a Year in Industry 5-yr SW
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)

A-level:

AAB including Chemistry and a second Science subject + GCSE Mathematics grade C

MSci Chemical Technology

A-level:

AAB including Chemistry and Mathematics.

MSci Chemistry with French/Spanish/ Study Abroad

A-level:

AAB including Chemistry and a second Science subject + GCSE Mathematics grade C

***For French option:** A-level French grade B or A-level grades AAB plus AS-level French grade B

***For Spanish option:** A-level Spanish grade B or A-level grades AAB plus AS-level Spanish grade B

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

For students whose first language is not English

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

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).

Why Queen's?

Accreditation/Professional Recognition: all BSc and MSci Chemistry and Medicinal Chemistry degrees are accredited by the Royal Society of Chemistry and the Institute of Chemistry in Ireland.

Flexibility: we teach Chemical Engineering as well as Chemistry and in the first year students have the unique opportunity to switch between the two different subjects, providing they have the appropriate A-levels.

Placements: many of our students take placements ranging from a few weeks work experience to full year internships. Past placement employers have included pharmaceutical companies such as Almac and Warner-Chilcott, Randox (medical diagnostics), and Seagate (computer components).

Careers/Further Study

Studying for a degree in Chemistry at Queen's will assist you in developing

the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. We support the development of transferable skills such as numeracy, problem-solving, communication and information retrieval, giving students an edge in the employment market. Our graduates are well regarded by many employers (local, national and international) and have entered careers in a wide variety of fields, including the pharmaceutical and fine chemical industry, the forensic services, publishing, marketing, teaching and the financial services. Over half of all graduate jobs are now open to graduates of any discipline, including chemistry.

Further study 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.



Entrance requirements

E: admissions@qub.ac.uk
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Course information

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CIVIL ENGINEERING

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.

Course Content

These degrees are designed to provide students with a good basis for a professional career as a chartered Civil Engineer. Emphasis is placed on the practical application of theory through design and laboratory work.

The degrees contain an element of modular choice, but all students are required to take modules which will equip them with the technical, management and professional skills needed for a career in civil engineering.

Stage 1

Students study the fundamentals of civil engineering theory and practice. This forms the transition from the basic mathematics and sciences studied at secondary level to engineering applications.

At the end of Stage 1 all students take part in a week-long residential surveying field course.

Stage 2

This is a very important year of study, when the major knowledge of civil engineering subjects and their application within design are developed.

Students following the sandwich degree will take an Industrial Placement Year between Stages 2 and 3 for both BEng and MEng students, or between Stages 3 and 4 for MEng students.

Stage 3

Theory is applied in a professional context in Stage 3. Students 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. BEng students graduate at the end of this year.

Stage 4

The MEng is an Integrated Master's programme, therefore Stage 4 is set at Master's level.

In this year students develop knowledge of building construction and business management. They work in teams on large integrated designs, which form a substantial part of their studies. They broaden their knowledge through a wide choice of modules, while being required to take relevant core civil engineering subjects to advanced level.

Why Queen's?

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 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 for further information.

BEng Honours

Civil Engineering 3 yrs (H200)
Civil Engineering with a Year in Industry 4-yr SW (H204)

MEng Honours

Civil Engineering 4 yrs (H202)
Civil Engineering with a Year in Industry 5-yr SW (H205)

See also Environmental and Civil Engineering and Structural Engineering with Architecture

Entrance Requirements

BEng

A-level:

BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development, Technology and Design or Double Award Applied Science.

BTEC Extended Diploma:

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

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

BTEC HND and HETAC Ordinary Degree:

Applicants offering a high standard in a relevant HND or HETAC Ordinary degree may be granted direct entry to Stage 2.

MEng

A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development or Technology and Design.

BTEC Extended Diploma:

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

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

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

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

For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at:

go.qub.ac.uk/EnglishLanguageReqs

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

Entrance requirements

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Course information

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COMPUTER SCIENCE

Computer Science is concerned with transforming how we live in the future. It will shape the technology that people interact with on a daily basis. In the future, virtually all of the ways we communicate, interact, travel and do business will have been improved by computer science and because of this, the world will need computer scientists. It is particularly concerned with the specification, design, construction and use of computer systems. It embraces subject areas such as software engineering, hardware architecture and design, information systems, communications, graphics, simulation and modelling, artificial intelligence and human-computer interaction.

Computer systems are often highly complex in nature and must be reliable in operation, and our Computer Science degree programmes provide knowledge and expertise in many of the concepts and approaches, which are required to design and maintain such systems.

Course Content

These degrees aim to teach the fundamental principles of Computer Science, together with the necessary skills, tools and techniques to enable our graduates to embark on careers as professional software engineers, or to become suitably qualified to undertake research in Computer Science. As with all of our courses, industrial engagement forms an integral part, balancing academic theory with practical learning. The programme contains the following themes:

Year 1

- Programming
- Computer Architecture, Networks and Databases
- Introductory Software Engineering
- Rigorous Problem-solving

Year 2

- Advanced Programming (including Java, C++ and Android)
- Architecture and Networks
- Data Structures, Algorithms and Programming Languages
- Information Modelling
- Computation Theory

Students on a sandwich programme will spend a year on a paid full-time placement. The School has links with over 500 local,

national and international employers, eg BT, Liberty IT, Civica, Kainos (Belfast), IBM (England), Microsoft, Oracle (Dublin), Fujitsu (Japan) and Siemens (Germany), and students are assisted in obtaining placements.

Year 3

- Artificial Intelligence and Advanced Data Analytics
- Advanced Computer Architecture
- Concurrent Programming
- Information System Security
- Secure Software Design
- Video Analytics and Machine Learning
- Malware Analysis
- Formal Methods
- Computer Science Project

These advanced modules permit each student to tailor their skills towards one or more areas of computer science specialism.

Year 4 (MEng)

This four or five year extended degree has been established to provide a supply of particularly well-qualified graduates who will become industry leaders. It contains a blend of Computer Science 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.

BEng Honours

Computer Science 4-yr SW (G404)

BSc Honours

Computer Science 4-yr SW (G400)
Mathematics and Computer Science
3 yrs (GG41)

MEng Honours

Computer Science 4 yrs (G402)
Computer Science 5-yr SW (G405)

MSci Honours

Mathematics and Computer Science
4 yrs (GGK1)

See also Software Engineering and
Computing and Information Technology

Entrance Requirements

BEng/BSc Single Honours

A-level:

BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

OR

ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 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, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit + GCSE Mathematics grade C.

All applicants:

Computer Science, Computing and Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these degrees at the end of first year, subject to meeting the normal progression requirements. In addition, MEng applicants will automatically be considered for admission to the appropriate BEng if they are not eligible for entry to the MEng, both at initial offer-making stage and when results are received.

For MSci and BSc Joint Honours with Mathematics entrance requirements see Mathematics entry.

For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at:

go.qub.ac.uk/EnglishLanguageReqs

The first two years and much of Year 3 are common with the BSc/BEng degree. Transfer to the MEng is possible for selected students at the end of Stage 2, subject to performance. Stage 4 themes include:

- Algorithms: Analysis and Applications
- High Performance Computing: Principles of Parallel Programming
- Advanced Machine Learning
- Advanced Software Engineering
- Computer Science Research and Development Project

Why Queen's?

Links with Industry: the School has links with over 500 IT companies both here and abroad, and benefits from the fact that there are more software companies located in Northern Ireland than any other part of the UK, outside of London. This benefits our students on many levels through providing industrial input into our degree content, summer and year-long placements and competitions organised by the companies.

Scholarships: due to the high demand for Computer Science graduates, some 15–20 scholarships are available, including some sponsored by Civica, Citi and Liberty IT, worth up to £25k. All provide for a cash stipend each academic year, a guaranteed industrial placement, an opportunity for additional part-time work during the academic year, plus the opportunity of a permanent position on graduation. For further information on these and other scholarships available, see the School website.

Careers/Further Study

Northern Ireland has an excellent international reputation for the quality and supply of its software engineers, and many national and international companies have chosen here as a base for their computing divisions in recognition of the high quality of graduates produced by the local universities.

Career options for Computer Science graduates include: software engineer; systems analyst; web designer; games developer; systems developer; IT consultant; and project manager. Our graduates are also perfectly placed to embark on a research career, with

opportunities to study at Master's level or pursue one of the many topics of research; see the School website for further information.



Entrance requirements

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Course information

School of Electronics, Electrical Engineering and Computer Science

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www.qub.ac.uk/eeecs

COMPUTING AND INFORMATION TECHNOLOGY

Computing and Information Technology will be key to the development and growth of companies in the future. As technology advances, business will need individuals who are comfortable in client situations, making collaborative efforts to solve information technology problems across a wide range of business sectors. Our Computing and Information Technology degree aims to give students a sound knowledge across a broad range of information technology subjects.

This degree is ideal for students who are interested in all aspects of IT and embraces subject areas such as programming, web development, database design and human-computer interaction.

Team-working skills have an important role to play and software development on this degree has a web-based focus. Industry is embedded in our courses and this benefits our students on many levels – from industrial input to the content of our courses, through to year-long and summer placements, as well as activities such as competitions organised by companies.

This four-year degree (three years plus a placement year) will involve development of the applied computing, interpersonal, communication and IT skills necessary to develop, select, deliver, manage and maintain cutting-edge IT infrastructures and advanced IT systems.

Course Content

This degree aims to teach the necessary skills, tools and techniques to enable our graduates to embark on careers as IT professionals in a wide variety of roles, and involves extensive practical work with a significant portion completed in team-orientated projects. There is an emphasis on user experience and information security throughout the degree, which contains the following themes:

Year 1

- Programming
- Computer Architecture, Networks and Databases
- Introductory Software Engineering
- Rigorous Problem-solving

Year 2

- Human-Computer Interaction
- Information Management Systems
- Web-based Programming
- System Administration and Maintenance
- Software Engineering

BSc Honours

Computing and Information Technology with a Year in Industry 4-yr SW (GG45)

See also Computer Science and Software Engineering

Entrance Requirements

A-level:

BBB including Mathematics, Computing or Software Systems Development + GCSE Mathematics grade C

OR

ABB including Biology, Chemistry, Digital Technology, ICT (including Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C

OR

AAB + GCSE Mathematics grade C

BTEC Extended Diploma:

A non-relevant BTEC Extended Diploma with 140/ 120 credits at Distinction and 40/60 credits at Merit + GCSE Mathematics grade C

OR

a relevant computing, engineering or scientific BTEC Extended Diploma with 120/100 credits at Distinction and 60/80 credits at Merit + GCSE Mathematics grade C.

BTEC Higher National Diploma/ Foundation Degree:

Those with good grades in a relevant Higher National Diploma/Foundation Degree will be considered individually on their merits for entry to Stage 2 + GCSE Mathematics grade C.

All applicants:

Computer Science, Computing and Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these degrees at the end of first year, subject to meeting the normal progression requirements.

For students whose first language is not English

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

Year 3

- IT Enterprise Project
- Agile and Lean Software Development
- Data Analysis and Visualisation
- Information Systems Security
- Software Testing
- Software Design Principles and Patterns

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. Following completion of this period of work experience students may apply for a City & Guilds Licentiate ship. Students then take their final year modules, including a major project, which pull together many of the individual themes of the degree.

Why Queen's?

Placement: all students undertake a paid placement year in industry. The School has links with over 500 local, national and international organisations. Examples of companies where our students have spent their placements include Microsoft, Kainos, Allstate, Citi and Belfast City Council.

Careers/Further Study

Studying for a Computing and Information Technology degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by local, national and international employers.

Northern Ireland has an excellent international reputation for the quality and supply of its software engineers, and many companies, both national and international, have chosen it as a base for their computing divisions in recognition of the high quality of graduates produced by the local universities.

Careers open to graduates with a BSc Honours in Computing and Information Technology include systems engineer, systems analyst, web designer, systems

developer, IT consultant, and project manager.

Further study 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



Entrance requirements

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Course information

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Criminology focuses on the causes and consequences of crime, as well as how the criminal justice system responds to crime. Criminologists are interested in how activities come to be defined as criminal, and why definitions of crime vary across countries and over time. The subject includes a wide range of social and psychological theories that attempt to explain criminal behaviour and the effective operation of the criminal justice system.

Course Content

Stage 1

Compulsory modules

- Introducing Criminology
- Exploring Criminology

Optional modules

- Introducing Social Policy
- Visualising the Social World
- Understanding Society
- The Sociological Imagination
- Comparative politics
- Issues in contemporary politics
- Themes and Issues in Social Policy
- Digital Society
- Researching the Social World
- Power, Ritual and Symbol: The View from Anthropology

Stage 2

Compulsory modules

- Criminological Theory
- Development of Policing
- Crime and Society
- Qualitative Research Skills
- Quantitative Research Skills

Optional modules

- Green Criminology
- Crime and the Media
- Sociology of International Migration

Stage 3

Compulsory modules

- Punishment, Penal Policy and Prisons
- Research Project and Dissertation
- Youth, Crime and Criminal Justice
- Criminology Beyond Borders

Optional modules

- Psychological Perspectives on Crime
- Criminal Justice in Transition

Why Queen's?

Research-led Teaching

Criminology is taught by a group of internationally-recognised criminological researchers who specialise in areas such as criminal justice policy, prisons, community sanctions, drug use, youth justice, conflict and human rights.

Research Bursaries

Fifteen 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.

Prizes

The highest achieving graduates are awarded the Lockheed Prize annually.

Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

Facilities

The School is located within a recently renovated building, with state-of-the-art teaching and learning facilities, together with dedicated student space including a large student common room. The teaching facilities enable an interactive learning environment.

BA Single Honours

Criminology 3 yrs (M900)

BA Joint Honours

Criminology and Social Policy 3 yrs (ML94)

(see page 140)

Criminology and Sociology 3 yrs (ML93)

(see page 142)

See also Social Policy and Sociology, and Sociology

Entrance Requirements

A-level:

ABB

All applicants:

There are no specific subject requirements to study Criminology.

For students whose first language is not English

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

Careers/Further Study

The diversity of interests and topics covered in the discipline, plus the wide range of skills it equips you with, means that our students enter a wide range of careers on graduation. Public and private sector organisations involved in the criminal justice system continue to expand and the demand for criminology graduates is strong. The number and variety of career opportunities related to the criminal justice system has increased in recent years.

As well as the traditional criminal justice agencies such as the police, probation service and the prison service, criminology graduates work in a range of occupations, including the media, civil service, research, teaching, business, voluntary organisations and management. Criminology graduates also work in victim support organisations and in other social care agencies. Some graduates build on the degree by undertaking further study or training in fields such as policing, probation work, prison service, social work, law, human rights, social science research and teaching. The School has a strong postgraduate programme, offering both Master's and PhD degrees.

Studying for a Criminology degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

Around 80 per cent of students are in employment, with an average starting salary of £16,000, six months after finishing the course (source: Unistats).

Typical career destinations of graduates include:

- Researcher
- Civil Servant
- Policy Analyst
- Charity Fundraiser
- Market Researcher
- Youth and Community Worker

Graduate employers include:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency

- PwC
- Ulster Bank
- Santander
- Belfast City Council
- Ipsos Mori
- Commission for Victims and Survivors NI

Further study is also an option open to Criminology graduates. You can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

"While studying Criminology at Queen's I had the opportunity to complete a work placement conducting my own project on youth crime. This, coupled with the encouraging environment and support means I would strongly recommend studying Criminology at Queen's."

Laura Wylie, Craigavon, Northern Ireland, BA Single Honours Criminology graduate 2015

Criminology at Queen's provides a unique context to study crime and justice in a society emerging from conflict.

Entrance requirements

E: admissions@qub.ac.uk

T: +44 (0)28 9097 3838

Course information

Dr Siobhán McAlister
School of Social Sciences,
Education and Social Work
E: s.mcalister@qub.ac.uk
T: +44 (0)28 9097 5918
www.qub.ac.uk/ssesw



CRIMINOLOGY AND SOCIAL POLICY

Criminology focuses on the causes and consequences of crime, as well as how the criminal justice system responds to crime. The subject includes a wide range of social and psychological theories that attempt to explain criminal behaviour and the effective operation of the criminal justice system.

Social Policy explores how we can improve human well-being through tackling intractable social problems and delivering better-quality public services. As an applied and critical social science, you will gain knowledge and understanding of contemporary government policies, their impacts, and consider how we can achieve improvements.

Course Content

Stage 1

Compulsory modules

- Introducing Criminology
- Introducing Social Policy
- Exploring Criminology
- Themes and Issues in Social Policy
- Understanding Society

Optional modules

- The Sociological Imagination
- Digital Society

Stage 2

- Criminological Theory
- Development of Policing
- Welfare in Theory and Practice
- Qualitative Research Skills
- Quantitative Research Skills
- Ageing and the Life Course

Stage 3

Compulsory modules

- Punishment, Penal Policy and Prisons
- Health, Illness and Care
- Youth, Crime and Criminal Justice
- Policy Briefing Paper

Optional modules

- Disability and Society
- Gender, Family and Policy: comparative perspectives

- Psychological Perspectives on Crime
- Criminology Beyond Borders

Why Queen's?

Research-led Teaching

Criminology and Social Policy is taught by a group of internationally recognised researchers who specialise in areas such as criminal justice policy, prisons, community sanctions, drug use, youth justice, conflict and human rights.

Research Bursaries

Fifteen 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.

Prizes

The highest achieving graduates are awarded the Lockheed Prize annually.

Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

Facilities

The School is located within a recently renovated building, with state-of-the-art

BA Joint Honours

Criminology and Social Policy 3 yrs (ML94)

See also Criminology, Criminology and Sociology, Social Policy and Sociology, and Sociology

Entrance Requirements

A-level:

ABB

All applicants:

There are no specific subject requirements to study Criminology and Social Policy.

For students whose first language is not English

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

teaching and learning facilities, together with dedicated student space including a large student common room. The teaching facilities enable an interactive learning environment.

Careers/Further Study

Criminology and Social Policy graduates are ideally placed for work in a range of occupations, including the civil service, public services, policy analysis, media, research, teaching, business, the voluntary sector, commerce, marketing and management. Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching. Tailored careers advice and study guidance are available to all students throughout their time at Queen's.

Typical career destinations of graduates include:

- Researcher
- Civil Servant
- Policy Analyst
- Charity Fundraiser
- Market Researcher
- Youth and Community Worker

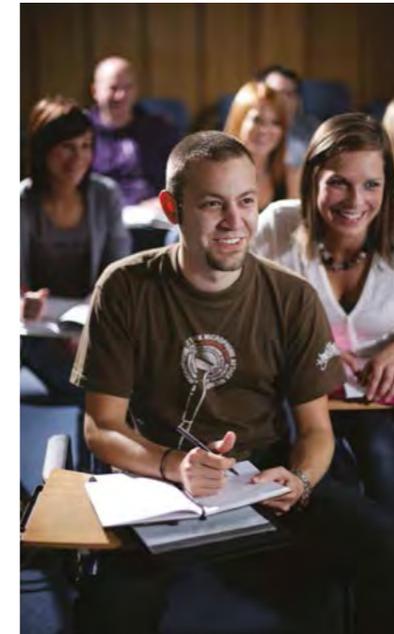
The following is a list of some of the employers that have attracted graduates from the School in recent years:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Commission for Victims and Survivors NI
- Santander
- Belfast City Council
- Ipsos Mori
- South Eastern Library Board
- REED
- University of Ulster
- Queen's University Belfast

Graduate Careers and Achievements

Many of the School's former graduates have risen to the top of their fields, for example:

Criminology and Social Policy at Queen's provides a unique context to study crime, justice and social policy in a society emerging from conflict.



Entrance requirements

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

Course information

Dr Siobhán McAlister
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Education and Social Work
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T: +44 (0)28 9097 5918
www.qub.ac.uk/ssesw

- Dr Michael Maguire, Police Ombudsman of Northern Ireland and former Chief Inspector of Criminal Justice in Northern Ireland
- Professor Marie Breen Smyth, Chair of International Politics, University of Surrey
- Dr Eddie Rooney, Chief Executive Regional Agency for Public Health and Social Well-being
- Dr Liz Fawcett, Managing Director and Principal Consultant with Liz Fawcett Consulting
- Dr John Doyle, Executive Dean of the Faculty of Humanities and Social Sciences, Dublin City University
- Paul Burns, former Director of Corporate Services, Arts Council of Northern Ireland

Further Study

Further study is also an option open to Criminology and Social Policy graduates. You can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

"The three years I have spent studying at Queen's have been incredibly rewarding. The course offers a wide range of interesting and diverse modules covering a wide range of topics and interests. The support and guidance from the department and the expertise of staff has provided me with an invaluable experience that has furthered my knowledge and understanding of both criminological and sociological theory and has motivated me to further my learning by undertaking a Master's degree at Queen's."

Rachel Stanley, Joint Honours Graduate (2016), current MSc Youth Justice student

CRIMINOLOGY AND SOCIOLOGY

Criminology focuses on the causes and consequences of crime, as well as how the criminal justice system responds to crime. Criminologists are interested in how activities come to be defined as criminal, and why definitions of crime vary across countries and over time. The subject includes a wide range of social and psychological theories that attempt to explain criminal behaviour and the effective operation of the criminal justice system.

Sociology is a scientific discipline concerned with the explanation of social life and human behaviour of all kinds. It equips students with the skills to understand the breadth of social practice, ranging from the global (including conflict, security, climate change and social justice) to individual experiences (such as the body, beliefs and mental health).

Course Content

Stage 1

- Introducing Criminology
- Introducing Social Policy
- Exploring Criminology
- Rethinking Society
- The Sociological Imagination
- Social Media and Cyber Lives

Stage 2

Compulsory modules

- Criminological Theory
- Crime and Society
- Development of Policing
- Qualitative Research Skills
- Quantitative Research Skills

Optional modules

- Northern Ireland: Conflict, Identity, Peace
- Health, Illness and Social Bodies
- Researching Social Lives
- Environmental Justice
- The Power of Social Theory
- Social Inequalities and Diversity
- Green Criminology
- Crime and the Media
- Sociology of International Migration, Immigration and Ethnicity

Stage 3

Compulsory modules

- Punishment, Penal Policy and Prisons
- Psychological Perspectives on Crime
- Issues in Contemporary Irish Society

Optional modules

- Youth, Crime and Criminal Justice
- Religion: Death or Revival
- Modern Families, Intimate and Personal Relationships
- Global Risk Society
- Social Pathologies
- Contemporary Irish Society
- Childhood Matters
- Criminology Beyond Borders

Why Queen's?

Research-led Teaching

Criminology is taught by a group of internationally recognised criminological researchers who specialise in areas such as criminal justice policy, prisons, community sanctions, drug use, youth justice, conflict and human rights.

Research Bursaries

Fifteen dissertation bursaries (£250 per student) will be offered on a competitive basis to students undertaking quantitative

BA Joint Honours

Criminology and Sociology 3 yrs (ML93)

See also Criminology, Criminology and Social Policy, Social Policy and Sociology, and Sociology

Entrance Requirements

A-level:

ABB

All applicants:

There are no specific subject requirements to study Criminology and Sociology.

For students whose first language is not English

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

research. These bursaries are to cover travelling and other minor expenses incurred.

Prizes

The highest achieving graduates are awarded the Lockheed Prize annually.

Study Abroad

Students can spend time studying in one of our linked universities in Europe. There are other opportunities to study or work abroad, supported by schemes such as Erasmus and Study USA.

Facilities

The School is located within a recently renovated building, with state-of-the-art teaching and learning facilities, together with dedicated student space including a large student common room. The teaching facilities enable an interactive learning environment.

Careers/Further Study

Criminology and Sociology graduates work in a wide range of occupations, including the media, civil service, police, research, teaching, business, commerce, marketing and management. Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching. Tailored careers advice and study guidance is available to all students throughout their time at Queen's.

Studying for a Joint Honours Degree in Criminology and Sociology at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

The diversity of interests and topics covered in the discipline, plus the wide range of skills it equips you with, means that our students enter a wide range of careers on graduation. These include the public sector (eg social services, education, criminal justice, social work), private sector (eg market research, policy analysis, human resources), and third sector (eg policy

analyst, researcher, youth support worker, charity fundraiser). A number of our students also go on to postgraduate study, on a full or part-time basis.

The following is a list of the major career sectors (and indicative starting salaries) that have attracted our graduates in recent years:

- Fast Stream Civil Service: £25,000
- Diversity Manager: £22,800
- Public Policy Analyst: £19,000
- Public Relations Officer: £16,000-25,000
- Volunteer Coordinator: £20,000-£26,500
- Social Researcher: £22,000
- Social Worker (after relevant graduate track degree): £23,500
- Public Administrator: £22,300
- Charity Fundraiser: £15,000-£24,000
- Police Officer: £22,300
- Teacher (after relevant graduate track degree): £21,500

Graduate employers include:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Santander
- Belfast City Council
- Ipsos Mori
- Commission for Victims and Survivors NI

Graduate Careers and Achievements

Many of the School's former graduates have risen to the top of their fields, for example:

- Dr Michael Maguire, Police Ombudsman of Northern Ireland and former Chief Inspector of Criminal Justice in Northern Ireland
- Professor Marie Breen Smyth, Chair of International Politics, University of Surrey
- Dr Eddie Rooney, Chief Executive Regional Agency for Public Health and Social Well-being
- Dr Liz Fawcett, Managing Director and Principal Consultant with Liz Fawcett Consulting
- Dr John Doyle, Executive Dean of the Faculty of Humanities and Social Sciences, Dublin City University
- Paul Burns, former Director of Corporate Services, Arts Council of Northern Ireland

Further Study

Further study is also an option open to Criminology and Sociology graduates. You can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.



Criminology and Sociology at Queen's provides a unique context to study crime and justice in a society emerging from conflict.

Entrance requirements

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

Course information

Dr Siobhán McAlister
School of Social Sciences,
Education and Social Work
E: s.mcalister@qub.ac.uk
T: +44 (0)28 9097 5918
www.qub.ac.uk/ssesw

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. Dental graduates from Queen's have made a marked impact on national and international dentistry.

Course Content

Years 1 and 2

Students are attached to dental clinics and also undertake modules where they learn about the foundations of clinical practice including the biomedical and behavioural sciences as well as the principles of dental patient management, dental health promotion and core clinical dental skills.

Year 3

Introduces a greater clinical component within the various clinical dental specialties as well as developing students' core clinical skills in Restorative dentistry. Students also learn about the impact of systemic disease in dentistry.

Years 4 and 5

Emphasis is on teaching advanced dental clinical skills within the range of clinical specialties in dentistry. Students carry out the full range of dental treatment for their own adult and child patients. Most of the paediatric dentistry course is carried out in outreach clinics.

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 an invaluable experience.

Why Queen's?

Clinical Placements

Students will have the opportunity to undertake clinical placements from year 1 of the course. During their course

students will gain valuable experience in a range of clinical settings to help develop their skills and career opportunities.

Accreditation

The Queen's University Bachelor of Dental Surgery (BDS) degree programme is recognised and approved by the United Kingdom's General Dental Council (GDC) as a registrable qualification.

Professional Training

Students who successfully complete the BDS programme can apply for full registration with the GDC which allows the registrant to practise as a dentist in the UK.

Facilities

We take great pride in our commitment to enhancing the student learning experience and our modern clinical facilities are a key part of this. Our students are working and learning in clinics which have been redeveloped to a high specification and a new state-of-the-art Clinical Techniques Laboratory (CTL) is now used by students throughout the programme.

Additional Opportunities - Intercolation

During the course of their dental degree, some students opt to study for an extra year to achieve an additional intercalated MSc or BSc. This may be undertaken at the end of the second or third year and involves an extra year of study (taken as a 'year out' from the Dentistry course). Dental students can undertake an intercalated degree in a range of areas including psychology, public health, clinical anatomy, biochemistry and microbiology.

Careers/Further Study

Studying for a dental degree at Queen's will assist you in developing the core skills and employment-related experiences

BDS

Dental Surgery (Bachelor of) 5 yrs (A200)

See also Biomedical Science and Human Biology

Entrance Requirements

Interview:

All offers are made on the basis of interviews. All candidates will be ranked and a proportion selected for interview. Offers will be made on the results of the interview. There are 15 international places available on the BDS degree and interviews for these students take place online.

UKCAT:

All applicants, assigned as NI, GB or EU for fees purposes, are required to sit the UK Clinical Aptitude Test (UKCAT) and the results achieved will be used as part of the selection process prior to interview.

A-level School Leavers:

AAA including Biology and Chemistry. GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level.

OR

AAA at A-level + B in a fourth AS-level subject including A-level Chemistry plus at least one other A-level from Mathematics or Physics. If not offered at A-level then Biology/Human Biology to at least AS-level grade B. GCSE Mathematics minimum grade C is required if not offered at AS-level or A-level.

From 2019 entry, both Biology and Chemistry at A-level will be required and offers will be expressed in terms of three A-levels.

For all A-level School Leavers 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. A-level Critical Thinking and General Studies at both A-level and AS-level are not acceptable.

For NI, GB and EU applicants, GCSE performance in the best 9 subjects will be scored with 4 points awarded for an A* (grade 8 and 9 in the new grading scale)

and 3 for an A grade (grade 7 in the new scoring scale).

For those who have not undertaken GCSE or equivalent level qualifications, then an academic score will be calculated on the basis of school reports.

UKCAT will be scored and used in conjunction with the academic score to rank for interview. AS-level performance and additional GCSE A grades may also be taken into account in borderline cases. Evidence of commitment to Dentistry, motivation, communication skills and initiative are important.

Graduates:

Applications from graduates or those in the final year of their degree are considered and the full academic background is taken into account. The minimum A-level threshold (or equivalent in other qualifications) is BBB at first attempt, ie: prior to commencing degree studies, or BBC 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 is required if not offered at AS-level or A-level. Graduate applicants who fulfil these criteria are then scored with their UKCAT. Graduate applicants from a non-science background but who fulfil the conditions in terms of grades achieved at the first attempt (ie in their original choice of A-level subjects) and degree performance will be considered if they undertake the appropriate Science qualifications on completion of their degree.

International Applicants

International applicants are not scored (as above) and in considering applications a range of factors is taken into account including previous academic performance, predicted results (if applicable), evidence of English language ability, the Personal Statement and Reference.

Transfers from other Dental Schools:

Applications will only be considered in exceptional circumstances and all normal entry requirements must be satisfied.

Information for all applicants

• Prior to admission all applicants will be required to provide evidence that they are non-infectious for HIV, Hepatitis B and Hepatitis C. Applicants who receive offers will be required to complete a health assessment with the Occupational Health Service of the University in accordance with Department of Health guidelines for new entrants to the Health Service.

• As a result of current legislative requirements, any offer made will be conditional on a satisfactory criminal history check (Access NI Enhanced Disclosure Check). To enable the University to request this check you will be required to provide some personal information which will be treated in the strictest of confidence and in line with Data Protection Principles. The current cost of an Enhanced Disclosure Check is £33. At time of printing, changes are due to be implemented and relevant procedures and/or costs may change. Applicants will be advised of the relevant requirements at the appropriate time. For international students, a Certificate of Good Conduct or equivalent will be required in lieu of an Access NI check.

• The degree is subject to the University's Regulations on Fitness to Practise.

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/Study/Dentistry

Please note: the deadline for applications to this degree for 2018 entry is 6.00pm on 15 October 2017 and NI, GB and EU applicants should make arrangements to undertake UKCAT in advance of this.

For students whose first language is not English

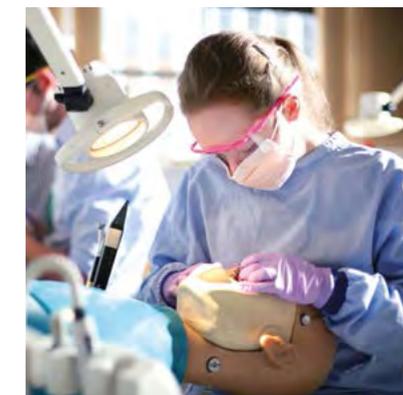
An IELTS score of 7.5 with a minimum of 7.0 in Speaking and Listening and 6.0 in the other test components or an equivalent acceptable qualification, details of which are available at: go.qub.ac.uk/EnglishLanguageReqs

Dentistry at Queen's is ranked 1st in the UK (Guardian University Guide 2017)

that are valued by employers, professional organisations and academic institutions.

There are a wide range of career opportunities available in dentistry and we have a consistent record of 100 per cent employment for our graduates. Following graduation it is mandatory to undergo a further one year of training in a Foundation Training Scheme if the graduate wishes to work in the UK's National Health Service. Dentists can then decide to follow a career as a general dental practitioner or to train as a specialist in a dental discipline. Other dental career options include hospital dentistry, community dentistry, specialist practice dentistry, armed forces dentistry and university teaching and research.

Many of our graduates combine specialist clinical training with further study at Queen's at PhD or Master's level in research or education.



Entrance requirements

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

Course information

Professor Donald Burden
Centre for Dentistry,
School of Medicine, Dentistry
and Biomedical Sciences
E: dentistry@qub.ac.uk
T: +44 (0)28 9097 6268
www.qub.ac.uk/mdbs

DRAMA STUDIES

Drama at Queen's combines history, theory and practice in an integrated and multidisciplinary approach, to discover why and how theatre works. Performance workshops and productions enable students to draw upon their reading of literary, cultural, historical and sociological studies to inform their practical understanding of performance. Students are also required to attend professional performances, and benefit from our exceptional links with the theatre sector in Northern Ireland and beyond. Visiting professionals lead workshops in specialist areas.

Course Content

Level 1

Core modules

- Performance Analysis
- Classical to Romanticism
- Practical Theatre 1

Level 1 students choose their fourth module from another subject area, with approval of their Adviser of Studies.

Level 2

Optional modules

Group A

- Modernist Theatre
- American Theatre
- Twentieth-Century British Theatre
- Irish Theatre
- Introduction to Arts Management
- Clowns and Fools in Theatre and Film

Group B

- Making Theatre 2
- Devising Theatre
- Theatre in Education
- Performing the Classics

It is not normally permissible to take more than 60 credits from the list of Group B modules. Students may substitute up to two Level 2 modules in another subject, for which they have the necessary pre-requisites, subject to approval from their Adviser of Studies.

Level 3

Optional modules

Group A

- Drama Dissertation
- Work Placement
- Places of Performance
- Post-conflict Drama: Performing the NI Peace Process
- Theory and Practice of Adaptation
- Drama, Health and Social Care
- Theatre and Absence

Group B

- Performance Training
- Advanced Theatre Practice 2
- Applied Theatre
- Shakespeare in Performance
- Dance Theatre

It is not normally permissible to take more than 60 credits from the list of Group B modules. Students may substitute up to two Level 3 modules in another subject, for which they have the necessary pre-requisites, subject to approval from their Adviser of Studies.

Why Queen's?

Industry Links

Students have the opportunity to undertake a work placement in Year 3. This is a significant learning and employability enhancement opportunity. Drama at Queen's collaborates with leading arts organisations and theatre companies, such as the Belfast Festival, The Linen Hall Library, The Lyric Theatre, Prime Cut Productions, Tinderbox Theatre Company, Kabosh, and Ransom Productions, all of whom have helped us develop a vital professional practice dimension as part of our overall provision.

BA Single Honours

Drama 3 yrs (W400)

BA Joint Honours

Drama and English 3 yrs (WQ43)
(see page 148)

See also Drama and English, Film and Theatre Making, Film Studies and Production, and Broadcast Production

Entrance Requirements

A-level:

BBB

All applicants

There are no specific subject requirements to study Drama, however, students should have an interest in issues of performance, and be prepared to participate in practical theatre classes.

All applicants who receive offers will be invited to attend an interview and workshop. Interviews will be held between January and April.

For students whose first language is not English

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



World-class Facilities

Our main teaching space, the Brian Friel Theatre (www.brianfrieltheatre.co.uk), is one of the best-equipped theatres in Belfast with a 120-seat studio theatre, rehearsal room, dressing rooms, green room and workshop, housed in the Drama and Film Centre which also comprises the Queen's Film Theatre.

Student Experience

Extracurricular performance opportunities are offered by the Tyrone Guthrie Society and the student Drama Society, which have taken productions to student festivals in Ireland and the UK. Productions have also been taken to the Edinburgh Fringe Festival and to festivals in Belgium and Italy.

Careers/Further Study

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

Graduates from this degree at Queen's are well regarded by many employers and over half of all graduate jobs are now open to graduates of any discipline. Many students also apply the skills they develop

through the degree entrepreneurially to create their own work opportunities and the University runs a number of extracurricular programmes in entrepreneurship.

Although the majority of our graduates are interested in pursuing careers in the theatre or in teaching, significant numbers develop careers in a wide range of other sectors. Graduates of Drama at Queen's have gone on to work in professional theatre locally in Northern Ireland and throughout Great Britain and across the world, for example on the production of the recent JK Rowling play *Harry Potter and the Cursed Child* in London and on a number of film and TV productions including *Game of Thrones*.

Further Study

Further study, including Master's programmes, is also an option; see the School website for further information.

Alumni Success

- Des Kennedy, assistant director, *Harry Potter and the Cursed Child*, Palace Theatre London
- Lisa McGee, stage and screen writer, won the Stewart Parker and Blackburn Award for *Girls and Dolls* (2006)
- Kerri Quinn, lead role in *Educating Rita*, Lyric Theatre, Belfast

"With a strong network support of staff, the opportunities to establish links with theatre practitioners greatly enriched my experience of studying Drama at Queen's."

Kevin McCluskey,
Lurgan, Northern Ireland
BA (2010), MA (2011) Drama Graduate,
PhD (2015) in Drama and Performance

Entrance requirements

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

Course information

Dr Paul Murphy
Head of Drama
School of Arts, English and Languages
E: p.murphy@qub.ac.uk
T: +44 (0)28 9097 3402
www.qub.ac.uk/ael

DRAMA AND ENGLISH

Students undertaking Drama and English at Queen's explore theatre, performance, literature and language in the widest possible sense; from ancient Greece to Renaissance England, to the Irish Literary Revival and on to Postmodern America; from the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures.

Course Content

Stage 1

Core modules

- Performance Analysis
- Classical to Romanticism
- English in Transition
- Introduction to English Language
- English in Context

Stage 2

Optional modules

- American Theatre
- Theatre in Education
- Twentieth-Century British Theatre
- Irish Theatre
- Theory and Practice of Acting and Directing
- Introduction to Arts Management
- Clowns and Fools in Theatre and Film
- Performing the Classics
- The English Language: Patterns of Spoken English
- The English Language: Language and Power
- Mapping the Anglo-Saxon World
- History of English: Studying Language Change
- Late Medieval Literature
- Introduction to Shakespeare and Renaissance Drama
- Eighteenth-Century & Romantic Literature
- Literature & Society: 1850 – 1930
- Introduction to American Writing
- Irish Literature

Stage 3

Optional modules

- Drama Dissertation
- Applied Theatre
- Shakespeare in Performance
- Places of Performance

- Post-conflict Drama: Performing the NI Peace Process
- Theory and Practice of Adaptation
- Drama, Health and Social Care
- Theatre and Absence
- Dance Theatre
- Double Dissertation: English Literature
- Double Dissertation: English Language
- Broadcasting and Identity
- Speech Worlds: Phonetics & Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language & Literature Together
- Broadcasting in a Post-Conflict society
- The Structure of English
- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women's Writing 1660-1820
- Contemporary Irish and Scottish Fiction
- American Image and Text
- Representing the Working Class
- Televising the Victorians
- Contemporary Indian Literature in English
- Shakespeare on Screen
- Literature and Society in the Nineteenth Century
- Digital Textualities and the History of the Book
- Literature and the First World War
- Further Adventures in Shakespeare
- Writing New York 1880-1940
- Nineteenth-Century Irish Writing
- Contemporary Literature: Poetry and Precariousness in the C21st
- Contemporary US Crime Fiction
- Comic Fiction, Fielding to Austen
- Special Topic Irish Literature
- U.S. Fiction 1965 – 1980

BA Joint Honours

Drama and English 3 yrs (WQ43)

See also Drama, English Studies, Film and Theatre Making, Film Studies and Production, and Broadcast Production

Entrance Requirements

A-level:

BBB including A-level English

Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English.

There are no specific subjects requirements to study Drama. However, students should have an interest in issues of performance and be prepared to participate in practical theatre classes.

All applicants who receive offers will be invited to attend an interview and workshop interviews will be held between January and April.

For students whose first language is not English

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

Why Queen's?

Industry Links

We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland, HBO, Lyric Theatre, Belfast, Grand Opera House, Belfast.

Internationally Renowned Experts

Professor Richard Schoch is a leading scholar of Shakespeare with a long-standing research collaboration with the Folger Library. Richard has won various awards including the 2013 Oscar Brockett Essay Prize from the American Society for Theatre Research (ASTR) and his books have been shortlisted for the Barnard Hewitt Award (ASTR) and the Theatre Book Prize (Society for Theatre Research, UK).

Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from Players, the Drama Society and Poetry to the extensive links with local theatre companies and production houses.

Careers/Further Study

Studying for a degree in Drama and English at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree have the proven ability to analyse subjects in depth and develop coherent arguments in written and verbal form, as well as linguistic fluency and experience of living and working abroad, all of which are highly sought-after skills in a global job market.

In a context where over half of all graduate jobs are now open to graduates of any discipline, we have found that employers of all kinds wish to employ Drama and English graduates. Although many of our graduates are interested in pursuing careers in teaching, business, the Civil Service or advertising, significant numbers develop careers in a wide range of other sectors.

A list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years is shown below:

- Advertising
- Voluntary sector/charities £15,000-£18,000
- Public Relations £20,000
- Banking £28,000
- Export Marketing £15 000-£25,000
- Publishing, Media and Performing Arts £16,000-£25,000
- Teaching £21,500
- Fast Stream Civil Service £25,000
- Theatre production £16,000-£50,000+
- TV production £16,000-£100,000+
- Film production £16,000-£100,000+
- Varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

- Kerri Quinn, acclaimed actress, notable for her lead role in *Educating Rita*, Lyric Theatre, Belfast, 2015
- James Rae, technical specialist, HBO, *Game of Thrones*

And in English:

- Seamus Heaney, Nobel prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter

Further Study

Further study is also an option open to Drama and English graduates. Students can choose from a wide range of Master's programmes, including:

- MA in English Literary Studies
- MA in Broadcast Literacy
- MA in Film
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities

Drama Studies at Queen's builds on the remarkable heritage of Drama in Northern Ireland, as represented by its internationally acclaimed playwrights, including Brian Friel and Stewart Parker, and globally esteemed actors including Liam Neeson, Ciaran Hinds, Frances Tomelty and Geraldine Hughes.



Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example, in Drama:

- Peter Coulter, award winning journalist, BBC
- Des Kennedy, acclaimed director, notable recent work includes assistant director on JK Rowling's *Harry Potter and the Cursed Child*, Palace Theatre London, 2016
- Lisa Magee, acclaimed writer for stage and screen, won the Stewart Parker and Blackburn awards for *Girls and Dolls* (2006)

Entrance requirements

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

Course information

Dr Paul Murphy
School of Arts, English and Languages
E: p.murphy@qub.ac.uk
T: +44 (0)28 9097 3402
www.qub.ac.uk/ael

A BSc Economics degree provides you with an opportunity to develop a firm understanding of human behaviour, not only in commerce, but also in wider society. The models used by economists are as much qualitative (expressed in words) as they are quantitative. Students will be provided the opportunity to gain quantitative, analytical, computing, presentation, and writing skills. These transferable skills are highly sought-after across industry, and also provide an excellent platform for future entrepreneurs.

Course Content

Year 1

- Principles of Economics
- Mathematics for Economists
- Applied Economics
- Statistical Methods
- Price Theory
- Economics of Money, Banking and Financial Markets

Year 2

- Economic Growth
- Game Theory
- Managerial Economics
- Industrial Organisation
- Introduction to Econometrics
- Macroeconomic Policy

Year 3

- Applied Econometrics
- International Trade

Optional

- Labour Economics
- Economic History
- Public Economics
- Economics Dissertation
- Economics of Networks and Institutions
- International Macroeconomics

Why Queen's?

Student Satisfaction

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

World-class Facilities

You will have access to Bloomberg terminals in the Trading Room, giving

students the skills, experience and knowledge necessary to prepare them for a career in the financial services sector.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research.

Student Experience

Students can join the Trading and Investment Club, a student-run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

Study Abroad

The Study USA programme provides students with the funded opportunity to study for a year in a US university.

Prizes and Awards

Top performing students are regularly awarded prizes and scholarships from leading companies including:

- Shaw Memorial Prize for best performing second-year student in BSc Economics.
- Foundation Scholarships for best student in Economics Level 1 and Level 2.
- KPMG Prize is awarded to the best graduate in the BSc Economics degree.
- McKane Medal is awarded to the best final honours student in Economics.
- Economics Group Prize is awarded to the best presentation in the Level 3 Dissertation module.

Careers/Further Study

Those pursuing a career in Economics should enjoy working with numbers and dealing with ambiguous and incomplete

BSc Single Honours
Economics 3 yrs (L100)

BSc Major Honours
Economics with Finance 3 yrs (L1N3)
(see page 154)
Economics with French 4 yrs (L1R1)
Economics with Spanish 4 yrs (L1R4)

BSc Joint Honours
Economics and Accounting 3 yrs (LN14)
(see page 152)

See also Accounting, Business Economics, Finance, and Politics, Philosophy and Economics (PPE)

Entrance Requirements

Single Honours

A-level:
ABB + GCSE Mathematics grade A

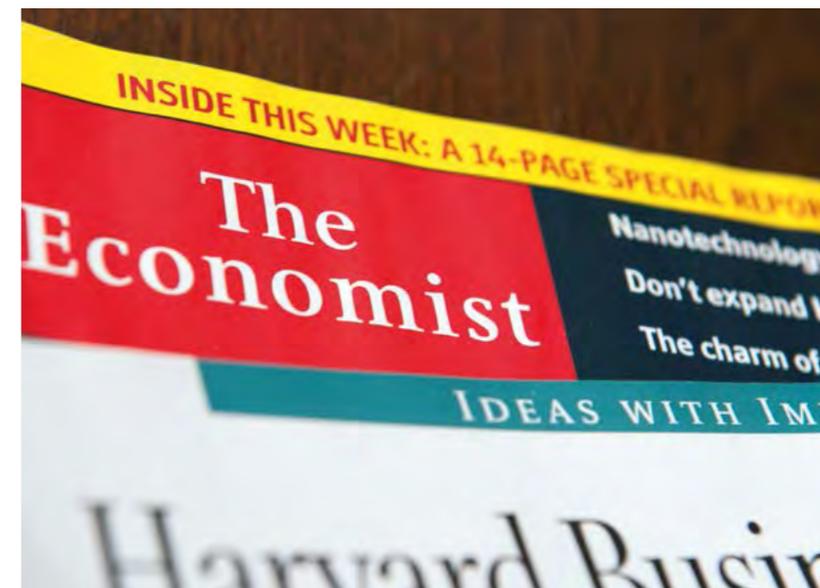
Major Honours with a Minor in a Modern Language

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

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

For students whose first language is not English

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



information as they attempt to understand and provide solutions to problems. They should also be effective communicators and work well with people. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret very sophisticated economic and financial information and work productively as part of a team.

Graduate Careers and Achievements

Students graduating with a degree in Economics from Queen's are well placed to secure a range of employment opportunities in economics and related areas in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, specialist careers in banking and investment appraisal, as well as more generalist positions in economic consulting.

Typical career destinations of graduates include:

- Professional Economists
- Accountancy
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments

Employment Links

Graduate employers include PwC, EY, KPMG, Deloitte, BDO, Ulster Bank, Bank of Ireland, First Trust, Northern Ireland Civil Service, Northern Ireland Statistics & Research Agency, JP Morgan, Morgan Stanley, BBC, National Trust.

Further Study

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

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

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

"I work directly for the Mayor of London, and have overall responsibility for all of Transport for London services – London Underground, London buses, Docklands Light Railway, Crossrail operations, London Overground, London Trams and the Emirates Air Line cable car! I am also heavily involved in the Congestion Charging scheme, road safety and schemes to boost cycling and walking."

Mike Brown MVO,
BSc Economics, Queen's University
(Commissioner - Transport for London)

Entrance requirements

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

Course information

Dr Alan Fernihough,
Programme Director for BSc Economics
Queen's Management School
E: a.fernihough@qub.ac.uk
T: +44 (0)28 9097 5452
www.qub.ac.uk/mgt

ECONOMICS AND ACCOUNTING

The Economics and Accounting degree provides students with the opportunity to study economics modules alongside accounting ones. This degree integrates core elements of both economics and accountancy degrees and offers an ideal platform for graduate students to enter into the accounting industry.

Course Content

YEAR 1 modules

- Principles of Economics
- Price Theory
- Introductory Financial Accounting
- Introduction to Legal Study and Basic Contract Law
- Introductory Management Accounting
- Accounting Information Systems
- Statistical Methods (optional module, but recommended as it provides professional accreditation)

YEAR 2

Compulsory modules

- Managerial Economics
- Financial Decision Making
- Financial Accounting
- Management Accounting

Optional modules (choose 2)

- Financial Market Theory
- Introduction to Econometrics
- Macroeconomic Policy and Performance
- Industrial Organisation

YEAR 3

Compulsory modules

- Advanced Financial Accounting
- Law of Business Organisations
- Advanced Management Accounting
- Taxation

Optional modules (choose 2)

- Applied Econometrics
- Labour Economics
- Economic History
- Public Economics
- International Trade
- The Economics of Corporate Strategy

Why Queen's?

Student Satisfaction

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

Placements

Economics and Accounting students may take an optional placement year after their second year. Recent placements from students studying economics and business economics include: PwC, KPMG, Citi, Oxford Economics, Belfast City Council, First Derivatives, and Tayto Group Ltd.

Exemptions

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

Student Experience

Students can join the Trading and Investment Club, a student run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

Trading Room

Students have access to Bloomberg software, a market leader in financial news, data and analytics, which is used by many financial institutions. The Trading Room allows for an interactive and exciting learning environment which brings textbook theory to life.

Prizes and Awards

Top-performing students are regularly awarded prizes and scholarships from leading companies including:

BSc Joint Honours

Economics and Accounting 3 yrs (LN14)

See also Accounting, Business Economics, Finance, and Politics, Philosophy and Economics (PPE)

Entrance Requirements

A-level:

ABB + GCSE Mathematics grade B

For students whose first language is not English

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

- Shaw Memorial Prize for best performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics

Careers/Further Study

Those pursuing a career in Economics should enjoy working with numbers and dealing with ambiguous and incomplete information as they attempt to understand and provide solutions to economics-related problems to a range of stakeholders such as the banking industry, investors, government, industry etc. They should also be effective communicators and work well with people. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret very sophisticated economic and financial information and work productively as part of a team.

Graduate Careers and Achievements

Students graduating with a degree in Economics from Queen's are well placed to secure a range of employment opportunities in economics and related areas in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, specialist careers in banking and investment appraisal, as well as more generalist positions in economic consulting.

Typical career destinations of graduates include:

- Professional Economists
- Accountancy
- Financial Consultants
- Managers and Administrators in areas such as market research, advertising, sales and personnel

- Education, health or government departments

Further Study

Further study is also an option open to Economics and Accounting graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

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

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

"Choosing this course is like having the best of both worlds, where in my second and final years I was able to pick some modules of my course. As the accounting modules and economics modules are different, I am exposed to various skills and experiences that undoubtedly help me stand out from others. When I was applying for graduate jobs in the Big 4, I was able to use the knowledge that I gained from my economics module and this definitely eased the burden of preparing for the interview."

Michelle Chu,
BSc Economics and Accounting



Entrance requirements

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

Course information

Dr Alan Fernihough,
Programme Director
Queen's Management School
E: a.fernihough@qub.ac.uk
T: +44 (0)28 9097 5452
www.qub.ac.uk/mgt

E ECONOMICS WITH FINANCE

The Economics with Finance degree blends economics with finance-related modules. Two thirds of the degree's modules are economics-based whilst the other third are finance. Finance is the study of investment and money management and as such complements the economics modules. This degree provides an excellent platform for graduates to pursue a career in economics, finance and related industries.

Course Content

Year 1 modules

- Principles of Economics
- Mathematics for Economists
- Accounting for Non-Specialists
- Statistical Methods
- Price Theory
- Financial Institutions and Markets

Year 2 modules

- Economic Growth
- Financial Market Theory
- Managerial Economics
- Macroeconomic Policy
- Introduction to Econometrics
- Financial Decision Making

Year 3 modules

Students will take Applied Econometrics and one elective from either International Macroeconomics or International Finance in the first semester. They can take up to two electives from Capital Markets, Corporate Finance, Financial Engineering or Fixed Income Instruments. A total of four modules must be selected from Economics and two from Finance.

Semester 1

Economics Modules

- Applied Econometrics (compulsory)
- International Macroeconomics
- Economic History

Finance Modules

- International Finance
- Capital Markets
- Financial Engineering

Semester 2

Economics Modules

- Economics of Networks and Institutions
- International Trade
- Public Economics
- Economics Dissertation

Finance Modules

- Corporate Finance
- Fixed Income Instruments

Why Queen's?

Student Satisfaction

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

Placements

Economics with Finance students may take an optional placement year after their second year. Recent placements from students studying economics and business economics include: PwC, KPMG, Citi, Oxford Economics, Belfast City Council, First Derivatives, and Tayto Group Ltd.

Student Experience

Students can join the Trading and Investment Club, a student run organisation which aims to educate its members on trading and investing through guest speakers, competitions and educational seminars.

Trading Room

Students have access to Bloomberg software, a market leader in financial news, data and analytics, which is used

BSc Major Honours

Economics with Finance 3 yrs (L1N3)

See also Accounting, Business Economics, Finance, and Politics, Philosophy and Economics (PPE)

Entrance Requirements

A-level:

ABB + GCSE Mathematics grade A

For students whose first language is not English

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

by many financial institutions. The Trading Room allows for an interactive and exciting learning environment which brings textbook theory to life.

Prizes and Awards

Top-performing students are regularly awarded prizes and scholarships from leading companies including:

- Shaw Memorial Prize for best performing second-year student in BSc Economics
- Foundation Scholarships for best student in Economics Level 1 and Level 2
- KPMG Prize is awarded to the best graduate in the BSc Economics degree
- McKane Medal is awarded to the best final honours student in Economics

Careers/Further Study

Those pursuing a career in Economics should enjoy working with numbers and dealing with ambiguous and incomplete information. They should also be effective communicators and work well with people. Economists must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment.

Many of the skills that students will acquire during their studies at Queen's will be of great value in a range of different career and life situations. Core transferable skills include the ability to learn independently, problem solve, understand and interpret very sophisticated economic and financial information and work productively as part of a team.

Graduate Careers and Achievements

Students graduating with a degree in Economics from Queen's are well placed to secure a range of employment opportunities in economics and related areas in the public and private sectors. In recent years, students have secured positions in economic analysis and appraisal with a range of government and other public sector organisations, specialist careers in banking and investment appraisal, as well as more generalist positions in economic consulting.

Typical career destinations of graduates include:

- Professional Economists
- Accountancy
- Financial Consultants
- Teachers
- Managers and Administrators in areas such as market research, advertising, sales and personnel
- Education, health or government departments

Graduate employers include: PwC; KPMG; Capita; Ulster Bank; Citi; Northern Ireland Civil Service; The Treasury; Dow Chemical; BT.

Further Study

Further study is also an option open to Economics with Finance graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, as shown on the Queen's Management School website.

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

"I provide strategic insight into the Bank of Ireland's key markets in the UK and am responsible for all its economic and market research, briefings and presentations in Northern Ireland. I am a member of the Confederation of British Industry (CBI), Northern Ireland's economic affairs committee and also appear regularly in the local media."

Alan Bridle,
Graduate in BSc Economics,
Head of Economics & Market Analysis
– Bank of Ireland, London and Northern Ireland

The Queen's Economics group ranked 2nd of all Russell Group universities for student satisfaction in the 2016 National Student Survey.

Entrance requirements

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

Course information

Dr Alan Fernihough,
Programme Director
Queen's Management School
E: a.fernihough@qub.ac.uk
T: +44 (0)28 9097 5452
www.qub.ac.uk/mgt



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; 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.

Course Content

The BEd is a professional degree for those intending to teach in Primary or Post-Primary schools and is four years in duration.

Teaching and learning for the degree are undertaken in the University Colleges.

BEd Honours Primary (4 yrs)

The degree comprises five inter-related strands:

1. Education Studies
2. Key Skills
3. Professional Development and School Experience
4. Curriculum Studies
5. Subject Study and Subject Application (St Mary's 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

Stranmillis offers the following Areas of Specialism for students in Years 1-3, which supplement their Curriculum Studies courses through increased skills, knowledge and subject-leadership development:

- Art & Design
- Drama and English
- Geography and History
- Music
- Numeracy
- Physical Education
- Religious Education
- Science

BEd

Education (Bachelor of) 4 yrs

Entrance Requirements

For BEd entrance requirements and admission information, please contact St Mary's and Stranmillis University Colleges directly.

Note: each of the University Colleges issues its own prospectus and application is made differently for each.

- St Mary's – students apply directly to the College (see www.smucb.ac.uk/admissions)
- Stranmillis – students apply through UCAS (see www.stran.ac.uk/informationabout/courses/bedteachereducation for the appropriate UCAS code).

BEd Honours Post-Primary (4 yrs)

Students will have the opportunity to specialise in one of the following academic subject areas:

- Business Studies/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.

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.

Careers/Further Study

Students graduating with a BEd degree are qualified to teach in all types of Primary and Post-Primary schools in the UK, and the degree is also a recognised teaching qualification in many international settings.

In addition, the BEd qualifies graduates to work in education-related settings appropriate to their academic specialisms, for instance, as an Education Officer or Advisory Teacher, as well as in alternative education settings, and can also lead to employment in organisations where the training of staff is a key priority.

All students have the opportunity to continue their studies to postgraduate level at Stranmillis University College by selecting an appropriate specialist option from the MEd, MTeach or MA programmes. St Mary's offers an MEd programme specially designed for the professional development of teachers and educationalists which has 10 specialist options.

Entrance requirements

For BEd entrance requirements and admission information, please contact St Mary's and Stranmillis University Colleges directly (see below).

Contact

St Mary's University College
Academic Registry
T: +44 (0)28 9026 8320
E: admissions@smucb.ac.uk
W: www.smucb.ac.uk

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



ELECTRICAL AND ELECTRONIC ENGINEERING

There can be few modern enterprises and aspects of human life which remain untouched by electronics or electrical engineering – it is one of the broadest engineering disciplines. Electrical and Electronic Engineering at Queen's is concerned with solving practical problems using electrical/electronic science. It is an exciting area of immense growth with a worldwide shortage of qualified engineers.

The subject area is broad, ranging from microelectronic chip design and manufacture to power generation and distribution. Rapid advances are occurring in fields such as telecommunications, computer software, hardware and networking, medical electronics, security, virtual and augmented reality, control and robotics and renewable energy systems.

Course Content

BEng

This is an enhanced, three-year Honours degree. All BEng students are normally required to complete at least 12 weeks of approved industrial training before graduating. The BEng is also offered incorporating a sandwich year in industry. This professional experience year is usually taken after Stage 2. Transfer from BEng to MEng is possible at the end of Stage 2, subject to satisfactory performance.

Stage 1

- Electrical Engineering
- Electronics
- Computer Programming
- Embedded Systems
- Mathematics

Stages 2 and 3

A choice of modules is offered, including:

- Circuits and Control
- Connected Health
- Control Systems Engineering
- Digital Systems Architecture and Design
- Electrical Power and Energy

- Electrical Power Engineering
- Electronics
- Embedded Systems
- Engineering Entrepreneurship
- High Frequency System Techniques
- Individual Project (BEng)
- Mathematics and Algorithms
- Networks and Communications Protocols
- Signals and Communications Systems
- Signal Processing and Communications

MEng (Stage 4)

This four-year extended engineering degree has been established to provide a good supply of well-qualified engineers with an appropriate blend of engineering knowledge and skills in business practice and management. There is a core component of entrepreneurship, giving key insights into company creation. All of the material in the first two years is common with the BEng degree.

Stage 4 modules include:

- High Frequency Technology and Design
- Individual Project (MEng)
- Intelligent Systems and Control
- MEMS Devices and Technology

BEng Honours

Electrical and Electronic Engineering 3 yrs (H600)

Electrical and Electronic Engineering 4-yr SW (H604)

MEng Honours

Electrical and Electronic Engineering 4 yrs (H602)

Electrical and Electronic Engineering 5-yr SW (H605)

See also Software and Electronic Systems Engineering

Entrance Requirements

BEng

A-level:

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

BTEC Extended Diploma:

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

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

Higher National Diploma:

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

MEng

A-level:

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

BTEC Extended Diploma:

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

"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

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

- Smart Grids
- Sustainable Energy Systems
- Wireless Communications Systems
- Wireless Sensor Systems

All MEng students must normally complete at least 24 weeks of approved industrial training before graduating. The MEng is also offered incorporating a sandwich year in industry – this professional experience year is usually taken after Stage 2.

Why Queen's?

Accreditation: these degrees are fully accredited by the relevant professional body (the Institution of Engineering and Technology).

Placement: students may undertake a year's paid placement in industry and there are currently many companies to choose from. Examples of companies where our students have spent their placements include BT, Sensata (Schradler), Andor Technology, NIE Networks, BAE Systems, Atkins, Microsoft and Seagate. Students may also gain summer work experience through the IAESTE programme. Croatia, Hong Kong, Thailand and Malaysia are just some of the countries where our students have visited through this scheme.

Scholarships: Queen's is one of only eight UK universities involved in the prestigious 'Power Academy' scholarship scheme, which each year provides 60 scholarships worth over £30k each to well-qualified students on the BEng and MEng degrees across the eight member universities. NIE Networks, Caterpillar and Asidua also sponsor students on these degrees.

Research-led Teaching: Electrical and Electronic Engineering at Queen's is ranked in the Top 10 in the UK for research (REF 2014).

Careers/Further Study

A shortage of electrical and electronic engineers, not only in Northern Ireland and the rest of the UK, but worldwide, means career prospects are excellent. The employment rate for 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.



Entrance requirements

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

Course information

School of Electronics, Electrical Engineering and Computer Science
E: eeecs@qub.ac.uk
T: +44 (0)28 9097 1194
www.qub.ac.uk/eeecs

ENERGY, ENVIRONMENT AND SUSTAINABILITY (FD)

This FdSc in Energy, Environment and Sustainability is taught at South West College in Omagh. The rural sector is currently undergoing a rapid change with the decline in importance and profitability of traditional industries, environmental pressures and new opportunities in diversification activities and technologies such as application of renewable energy, production of energy crops and industrial or business applications.

This programme aims to provide students with the technological and business skills required to meet these challenges, supporting the move towards environmental and financial sustainability within the rural economy.

Course Content

This degree is suitable for those who are interested in increasing their knowledge of renewable energies, diversification or rural business development and the integral work placement ensures that students are able to fully apply their knowledge gained on the programme.

Stage 1

- Biomass and Biofuel Technology
- Business and Management
- Engineering Principles
- Environment and Sustainability
- Renewable Energy Applications
- Waste Management
- Wind Turbine Technology

Stage 2

- Business Improvement Techniques
- Economics of Renewable Energy Technology
- Energy Assessment
- Environmental Business Planning
- Environmental Science
- Work Placement

The Foundation Degree in Energy, Environment and Sustainability meets all these attributes through the provision of work placement, real-life case studies, an articulation route to the BSc Environmental Management degree

within Queen's and partnership with South West College, Omagh Campus, where the programme is delivered.

Why Queen's?

Placement

Full-time students taking the foundation degree in Energy, Environment and Sustainability undertake a work-placement in the second semester of year 2. 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.

Further Study

Subject to achieving specific academic standards in the FdSc, students may articulate to Stage 2 of the BSc Environmental Management programme at Queen's University, Belfast or the Part-time BSc in Energy, Environment and Sustainability at Omagh campus, South West College.

Careers

Studying for an FdSc Energy, Environment and Sustainability degree at Queen's and South West College will assist students in developing the core skills and

FdSc (Foundation Degree)
Energy, Environment and Sustainability
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

employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including Energy, Environment and Sustainability.

Although the majority of our graduates are interested in pursuing careers in renewable energy applications and environmental management significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Management consultancy
- Environmental consultancies
- Education sector
- Civil Service

Employer Links

We regularly consult and develop links with a large number of employers including, for example, Camphill Communities NI, Rural Generation Ltd, ReCyCo Ltd, Omagh and Fermanagh District Councils who are members of the employer liaison panel for the course.

Placement Employers

Our past students have also gained work placement with organisations such as:

- Armagh District Council
- Cavan County Council
- Terex Finlay Ltd
- SynErgy NI Ltd
- Future Renewables Ltd

Other Employer Links

The Technology Department has unique employer interface through the South West College InnoTech Centre and Centre for Renewable Energy and Sustainable Technologies.

"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
2nd Year, FdSc Energy,
Environment and Sustainability



With the increasing costs associated with fossil fuel, the focus of the energy sector is moving steadily to renewable energy applications. This Foundation Degree develops and improves participants' environmental knowledge and sustainable practices aimed at increasing diversification of economies. As well as gaining an understanding of the renewable energy sector, students will also be able to develop a sound understanding of current environmental and waste management systems, their future development and the legislation surrounding changes in environmental practice and resource management.

Entrance requirements

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

Course information

John Moore, Lecturer and
Dr Alberto Longo,
Director of Education
Course Co-Ordinators
School of Biological Sciences
E: biolsci@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

Students undertaking English Studies at Queen's explore literatures in English in the widest possible sense. From the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures, students study English in its historical, cultural and ideological circumstances and material manifestations. Our language modules (also available on the Linguistics pathway) explore language structure and function; the day-to-day use of language, including in the media; and the major influences that have shaped English.

Course Content

Stage 1

Core modules

- English in Transition
- English in Context
- Sounds of the City
- Adventures in Literature and the History of Ideas (to be confirmed)
- Introduction to English Language

Optional module

- Introduction to Creative Writing

Stage 2

Optional modules

- An Introduction to Critical and Cultural Theory
- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Shakespeare and Renaissance Drama
- C18th and Romantic Literature
- Literature and Society 1850-1930
- American Writing
- Irish Literature
- Patterns of Spoken English
- Language and Power
- History of English Language

Stage 3

Core module

- Dissertation

Optional modules

- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women's Writing 1660-1820
- Contemporary Irish and Scottish Fiction
- American Image and Text

- Representing the Working Class
- Televising the Victorians
- Contemporary Indian Literature
- Shakespeare on Screen
- Literature and Science in the C19th
- Digital Textualities and the History of the Book
- Literature and the First World War
- Further Adventures in Shakespeare
- Writing New York 1880-1940
- Contemporary Literature: Poetry and Precariousness in C21
- Irish Gothic
- Stevens & Bishop
- Contemporary US Crime Fiction
- Comic Fiction: Fielding to Austen
- Special Topic Irish Literature
- Broadcasting and Identity
- Speech Worlds: Phonetics and Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language and Literature Together
- Broadcasting in a Post-Conflict Society
- The Structure of English

Why Queen's?

Global Opportunities

English at Queen's offers a range of Study Abroad opportunities, from the Erasmus programme with a range of European partners, to the chance to study at a number of partner institutions in the United States.

Industry Links

We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland.

BA Single Honours

English 3 yrs (Q300)

BA Joint Honours

Anthropology and English 3 yrs (QL36)
 Drama and English 3 yrs (WQ43)
 English and Film Studies 3 yrs (QW36)
 English and French 4 yrs (QR31)
 English and History 3 yrs (QV31) (see page 164)
 English and Irish 3 yrs (QQ53)
 English and Linguistics 3 yrs (QQ31) (see page 168)
 English and Philosophy 3 yrs (QV35)
 English and Politics 3 yrs (QL32)
 English and Sociology 3 yrs (QL33)
 English and Spanish 4 yrs (QR34)
 Theology and English 3 yrs (QV36)

See also Drama and English, and English and History

Entrance Requirements

A-level:

ABB including A-level English for Single Honours and Joint Honours with 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 BA English and History, please see separate entry.

For students whose first language is not English

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

Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from the English Society and Poetry and Pints to the Lifeboat and the Yellow Nib, makes studying English at Queen's a unique proposition.

Careers/Further Study

Studying for an English degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including English. In particular, employers value the initiative, imagination, creativity and independence of thought fostered by the English degree.

The following is a list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years:

- Advertising
- Librarianship
- Public Relations (£20,000)
- Publishing, Media and Performing Arts (£16,000-£25,000)
- Fast Stream Civil Service (£25,000)
- Management Consultancy

Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example:

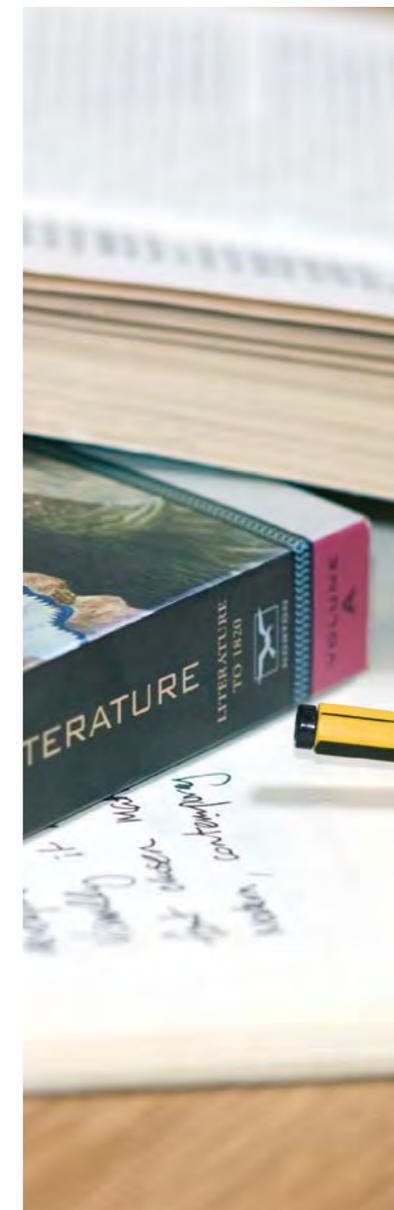
- Seamus Heaney, Nobel prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter

Further Study

Further study is also an option open to English graduates. Students can choose from a wide range of Master's programmes, including:

- MA in English Literary Studies
- MA in Broadcast Literacy
- MA in Poetry: Creativity and Criticism

- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities (English) – research-led



"As clichéd as it may be (and though this notion may be shunned in the art of creative writing!), the community of Queen's English really is one big supportive family. I employ not one ounce of hyperbole when I say that choosing to study English at Queen's was the greatest decision I ever have (and probably ever will) make in my life."

Niamh Lundy, Stage 2 student

English Studies at Queen's has an extraordinary heritage, as represented by its globally esteemed writers, such as Nobel Laureate Seamus Heaney and T.S. Eliot Prize recipients Paul Muldoon and Ciaran Carson, among others. A new generation, such as Poetry Book Society 'Next Generation Poet' Dr Leontia Flynn, who also won Forward Prize for best first collection, continue a proud tradition.

Entrance requirements

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

Course information

Dr Stephen Kelly
 School of Arts, English and Languages
 E: s.p.kelly@qub.ac.uk
 T: +44 (0)28 9097 3952
www.qub.ac.uk/ael

E ENGLISH AND HISTORY

Students undertaking English and History at Queen's explore literature, language and history in the widest possible sense, from the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures. From the origins of ancient Greece and Rome to modern Irish, European, American and Chinese history, students study English in its linguistic, historical and ideological circumstances and in History can choose modules that focus on gender, social and cultural history, colonial history, politics, religious and economic change.

Course Content

Stage 1

Core modules

- English in Transition
- English in Context
- Introduction to English Language
- History and Historians
- Exploring History 2
- Exploring History 1

Stage 2

Core module

- Critical & Cultural Theory

Optional modules

- Introduction to Critical & Cultural Theory
- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Shakespeare and Renaissance Drama
- C18th and Romantic Literature
- Literature and Society 1850-1930
- American Writing
- Irish Literature
- Patterns of Spoken English
- Language and Power
- History of English Language
- Politics and Society in C19th Ireland
- Politics and Society in C20th Ireland
- The making of contemporary Britain
- The making of modern Britain
- Greece and Macedon 404-337 BC
- Running the Roman Empire (AD 41-235)
- The American South 1619-1685
- The American South 1865 – 1980
- The Expansion of Medieval Europe
- The Roman Origins of the East and West 300-800
- Europe between the Wars
- Life, Love and Death in England and Ireland 1350-1650

- History and Society
- Revolutionary Europe 1500-1780
- Recording History
- Uniting Kingdoms
- Apocalypse! End of the World
- Maymester Module: Civil Rights in Northern Ireland and the US

Stage 3

Optional modules

- Dissertation
- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women's Writing 1660-1820
- Contemporary Irish and Scottish Fiction
- American Image and Text
- Representing the Working Class
- Televising the Victorians
- Contemporary Indian Literature
- Shakespeare on Screen
- Literature and Science in the C19th
- Digital Textualities and the History of the Book
- Literature and the First World War
- Further Adventures in Shakespeare
- Writing New York 1880-1940
- Contemporary Literature: Poetry and Precariousness in C21
- Irish Gothic
- Stevens & Bishop
- Contemporary US Crime Fiction
- Comic Fiction: Fielding to Austen
- Special Topic Irish Literature
- Broadcasting and Identity
- Speech Worlds: Phonetics and Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language and Literature Together
- Broadcasting in a Post-Conflict Society

BA Joint Honours
English and History 3 yrs (QV31)

See also English Studies, and Drama and English

Entrance Requirements

A-level:

ABB including A-level English

Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English.

For students whose first language is not English

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



English Studies at Queen's has an extraordinary heritage, as represented by its globally esteemed writers, such as Nobel Laureate Seamus Heaney and T.S. Eliot Prize recipients Paul Muldoon and Ciaran Carson, among others. A new generation, such as Poetry Book Society 'Next Generation Poet' Dr Leontia Flynn, who also won Forward Prize for best first collection, continue a proud tradition. Expert History staff offer students a variety of exciting modules with a wide chronological and geographical focus that ensure the development of transferable skills. The History programme also allows students opportunities to engage with industry partners, to carry out public-facing or industry-related work, and to study and travel abroad.



- The Structure of English
- The Second World War in Europe
- The Peasants' Revolt 1381
- Working Class Communities in UK
- Crisis and decolonisation: The British Empire and the World, 1939-1997
- Society and Politics in Belfast 1780-1914
- The Russian Revolution
- Popular Culture in England 1500-1700
- The Origins of the Reformation
- The Soviet Union 1921-1991
- Britain and the Cold War 1945-1991
- Evangelical Protestantism in Ulster
- Kings and Saints in Early Medieval Ireland
- The Rise of Christianity 1
- The Rise of Christianity 2
- Rome Under The Early Emperors
- The Irish Revolution 1917-1921
- Dissertation
- Kings, Courts and Culture in Carolingian Europe
- After Slavery: Race and Labour
- Going Places
- Family, Gender and Household, 1740-1844
- Cold war in Asia
- The age of anxiety: Culture and Society in Interwar Ireland
- Religion, Secularisation and Conflict in Modern Europe, 1789 to Present
- There Ain't No Black in the Union Jack: Race and Immigration in Post-war Britain
- The War of Ideas in C17th Ireland
- Modern America: The United States since 1964

Why Queen's?

Industry Links

- We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland.
- Internships have also been developed to allow students the opportunity to carry out work experience in history-related fields.

Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from the English Society and Poetry and Pints to the Lifeboat and the Yellow Nib, makes studying English at Queen's a unique proposition.

Careers/Further Study

Studying for an English and History degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. A good degree in English and History is a guarantee that the holder can analyse subjects in depth and develop coherent arguments in written and verbal form. In addition, the subject matter studied is always related to a wide range of contemporary issues, which allows graduates to understand the present in its proper perspective. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

A list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years is shown below:

- Advertising
- Librarianship
- Voluntary sector/charities £15,000-£18,000
- Public Relations £20,000
- Banking £28,000
- Export Marketing £15,000-£25,000
- Publishing, Media and Performing Arts £16,000-£25,000
- Teaching £21,500
- Fast Stream Civil Service £25,000
- Translation / Interpreting £18,000-£26,000
- Varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example, in English:

- Seamus Heaney, Nobel prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter

And in History:

- Bill Neely (ITV News Editor)
- Alan Green (Radio 5 Live)

Further Study

Further study is also an option open to English graduates. Students can choose from a wide range of Master's programmes, including:

- MA in English Literary Studies
- MA in Broadcast Literacy
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education
- MRes in Arts and Humanities (with a focus on English or History) – research-led

"I've had the chance to study such a breadth of prose, poetry and drama across all sorts of periods under some of the most fantastic lecturers. Probably my favourite aspect of studying at Queen's is the community and friends that I've made within English. From being able to attend my lecturers' research seminars to peer mentoring first years, it feels like a (fantastically literary) family and I feel I couldn't have made a better choice."

Micheal McCann, Stage 2 student

Entrance requirements

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

Course information

Dr Stephen Kelly
School of Arts, English and Languages
E: s.p.kelly@qub.ac.uk
T: +44 (0)28 9097 3952
www.qub.ac.uk/ael

ENGLISH WITH CREATIVE WRITING

Students undertaking English with Creative Writing at Queen's explore literatures in English in the widest possible sense and work with some of the leading writers working in the UK and Ireland. From the earliest writings in Anglo-Saxon to contemporary Irish, British, and 'global' literatures, students study English in its historical, cultural and material contexts.

Course Content

Level 1

- English in Transition
- English in Context
- Sounds of the City
- Adventures in Literature and the History of Ideas (to be confirmed)
- Introduction to Creative Writing
- Introduction to English Language

Level 2

Core modules

- Creative Writing Drama
- Creative Writing Poetry
- Creative Writing Prose

Optional modules

- Mapping the Anglo-Saxon World
- Late Medieval Literature
- Shakespeare and Renaissance Drama
- C18th and Romantic Literature
- Literature and Society 1850-1930
- American Writing
- Irish Literature
- Patterns of Spoken English
- Language and Power
- History of English Language
- An Introduction to Critical and Cultural Theory

Level 3

Core module

- Dissertation

Optional modules

- Marvels, Monsters and Miracles in Anglo-Saxon England
- Women's Writing 1660-1820
- Contemporary Irish and Scottish Fiction

- American Image and Text
- Representing the Working Class
- Televising the Victorians
- Contemporary Indian Literature
- Shakespeare on Screen
- Literature and Science in the C19th
- Digital Textualities and the History of the Book
- Literature and the First World War
- Further Adventures in Shakespeare
- Writing New York 1880-1940
- Contemporary Literature: Poetry and Precariousness in C21
- Irish Gothic
- Stevens & Bishop
- Contemporary US Crime Fiction
- Comic Fiction: Fielding to Austen
- Special Topic Irish Literature
- Broadcasting and Identity
- Speech Worlds: Phonetics and Phonology in Communication
- Language in the Media
- Stylistics: Bringing Language and Literature Together
- Broadcasting in a Post-Conflict Society
- The Structure of English

Why Queen's?

Global Opportunities

English at Queen's offers a range of Study Abroad opportunities, from the Erasmus programme with a range of European partners, to the chance to study at a number of partner institutions in the United States.

Industry Links

We regularly consult and develop links with a large number of employers including, for example, BBC Northern Ireland.

BA Single Honours
English with Creative Writing 3 yrs (Q3W8)

See also English Studies

Entrance Requirements

A-level:

ABB including A-level English

Note: for applicants who have not studied A-level English then AS-level English (grade A) would be acceptable in lieu of A-level English.

For students whose first language is not English

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

Student Experience

A thriving cultural scene organised by our undergraduate and postgraduate communities, from the English Society and Poetry and Pints to the Lifeboat and the Yellow Nib, makes studying English with Creative Writing at Queen's a unique proposition.

Careers/Further Study

Studying for an English with Creative Writing degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including English. In particular, employers value the initiative, imagination, creativity and independence of thought fostered by the English degree.

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

- Publishing, Media and Performing Arts
- Public Relations
- Advertising
- Librarianship
- Fast Stream Civil Service
- Management Consultancy

Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example:

- Seamus Heaney, Nobel prize-winning poet
- Paul Muldoon, academic and poet
- Stephen Rea, actor
- Helen Madden, writer and actor
- Annie Kelly, journalist and writer
- Annie Mac, radio presenter



Further Study

Further study is also an option open to English graduates. Students can choose from a wide range of postgraduate programmes, including:

- MA in English Literary Studies
- MA in Broadcast Literacy
- MA in Poetry: Creativity and Criticism
- MA in Creative Writing
- MSc in Software Development (conversion course)
- MLaw – Master's in Law (conversion course)
- PGCE in Education

Alternatively, we offer a research-led MRes in Arts and Humanities.

"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)

Entrance requirements

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

Course information

Dr Stephen Kelly
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E: s.p.kelly@qub.ac.uk
T: +44 (0)28 9097 3952
www.qub.ac.uk/ael

ENVIRONMENTAL AND CIVIL ENGINEERING

Environmental and Civil Engineering is concerned with the impact of infrastructure on the natural environment. It encompasses planning, design, construction, sustainability and management of the built environment. Fields of activity include water engineering, waste management, structures, transportation and foundations. Environmental engineers require not only technical skills but also project management and communication skills.

Civil Engineering was one of the founding degrees at Queen's, making it one of the oldest in the UK and Ireland. Staff are leading high-quality research and are recognised for their excellence in teaching.

Course Content

This degree programme is designed to provide students with a good basis for a professional career as a chartered civil engineer. Emphasis is placed on the application of theory to the practical situation through design and laboratory work. The degrees contain an element of modular choice, but all students are required to take modules which will equip them with the technical, management and professional skills needed for a career in environmental and civil engineering.

Stage 1

Students study the fundamentals of civil engineering theory and practice. This forms the transition from the basic mathematics and sciences studied at secondary level to engineering applications. At the end of Stage 1 all students take part in a week-long residential surveying field course.

Stage 2

This is a very important year of study, when the major knowledge of civil engineering subjects and their application within design are developed. Students following the sandwich degree will take an Industrial

Placement Year between Stages 2 and 3, or between Stages 3 and 4.

Stage 3

Theory is now applied in a professional context. Students 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.

MEng Honours

Environmental and Civil Engineering 4 yrs (H252)

Environmental and Civil Engineering 5-yr SW (H255)

See also Civil Engineering and Structural Engineering with Architecture

Entrance Requirements

A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development or Technology and Design.

BTEC Extended Diploma:

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

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

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

Option to Transfer: transfers between BEng Civil Engineering degree and this MEng may be possible at the end of Stage 2.

For students whose first language is not English

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

Why Queen's?

Accreditation: this degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng), see 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

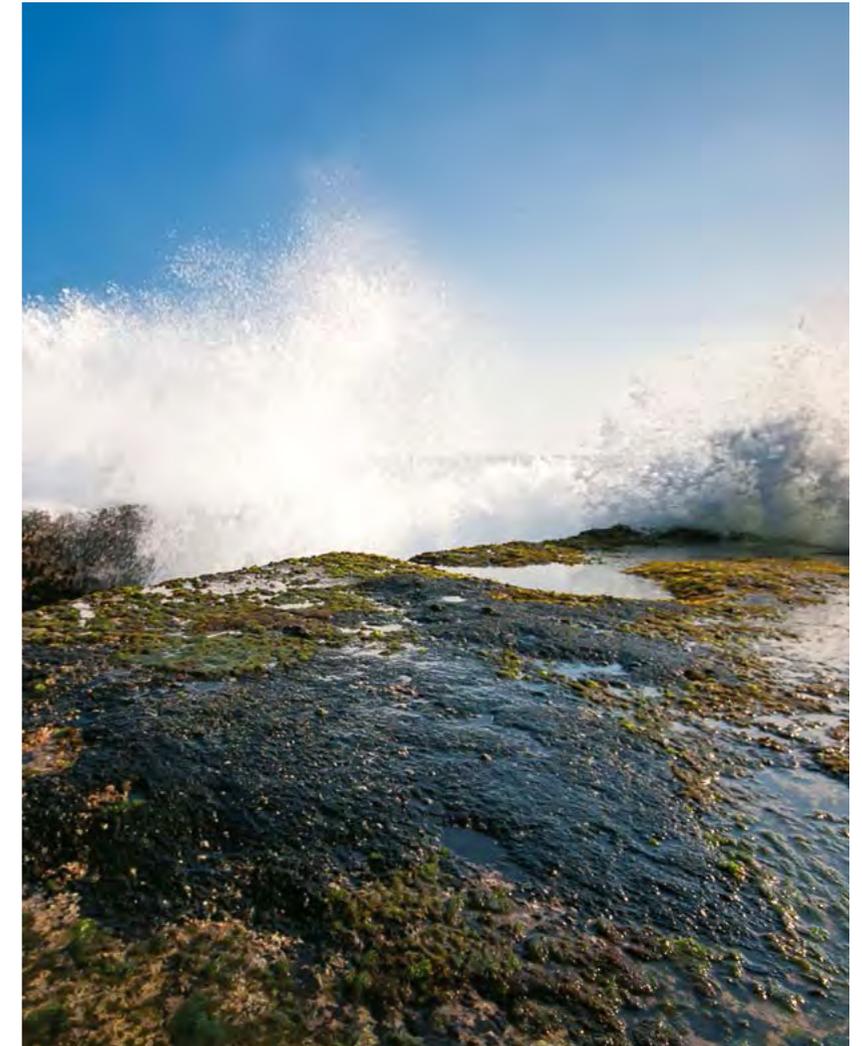
Studying for an MEng degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

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.



Entrance requirements

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

Course information

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School of Natural and Built Environment
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T: +44 (0)28 9097 4006
www.qub.ac.uk/schools/NBE/

ENVIRONMENTAL MANAGEMENT

The growing changes affecting the natural environment, and the increasing role of environmental policies affecting businesses and organisations are creating new and challenging career opportunities for those familiar with issues of sustainable development, planning and environmental protection and management.

The BSc in Environmental Management explores the physical, social, economic and cultural aspects of environmental management.

Students will be enabled to understand:

- issues of sustainable development, conservation and environmental protection and management.
- the integrated and holistic nature of environmental management.
- devising, managing and critically evaluating project work.

Additionally, students on the four-year programme will be enabled to understand how their degree learning outcomes can be applied to the workplace and career planning.

Course Content

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

One of the following:

- Planning Theory and Society
- Sustaining the Biosphere

One of the following:

- 16 Week Work Placement (3-year degree)
- 1-year Professional Studies (4-year degree)

Stage 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 of Contested Territories

BSc Honours

Environmental Management 3 yrs (F850)
Environmental Management with
Professional Studies 4-yr SW (F854)

Entrance Requirements

A-level:

BBB including at least two from Biology, Economics and Geography + GCSE Mathematics grade C

OR

ABB + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit + GCSE Mathematics grade C

OR

Any BTEC Extended Diploma with 120 credits at Distinction and 60 credits at Merit + GCSE Mathematics grade C.

All applicants:

Certain modules will require GCSE Mathematics grade B.

For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at:

go.qub.ac.uk/EnglishLanguageReqs

Why Queen's?

Accreditation

Degrees accredited by the Royal Institution of Chartered Surveyors (RICS).

Placement

Students (three-year degree) must complete a compulsory 16-week work placement as an integral part of Stage 2. Students (four-year degree), on completion of Stage 2, must complete a 46-week period of work experience.

Multidisciplinary

This is a unique interdisciplinary course shared between two Schools – Biological Sciences and Natural and Built Environment.

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 (eg RSPB, WWF). Graduates can become Chartered Surveyors. Opportunities also exist within the full range of occupations associated with graduate employment.

Employment after the Course

Students who graduate from the Environmental Management programmes have primarily embraced careers in the following areas: environmental management; environmental consultancy; environmental conservation; environmental surveying.

Graduates from this course have found employment in several organisations, including:

- Action Renewables
- The Consumer Council
- DAERA
- Ecologia
- Environment Agency
- Nestlé
- RecyCo Waste Management
- RSPB

Further Study

Graduates from this course have continued further education studying MSc programmes in Ecological Management and Conservation Biology; Leadership for Sustainable (Rural) Development, and PhD programmes in Ecosystem Biology and Sustainability.

"The degree in Environmental Management at Queen's 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 aims to provide graduates with a range of skills and knowledge to reduce organisations' environmental impacts and design a more sustainable and prosperous society."

Dr Alberto Longo, Director of Education



Entrance requirements

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

Course information

Dr Alberto Longo,
Director of Education
School of Biological Sciences
E: biolsci@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

EUROPEAN PLANNING

This MPlan is a unique degree, offering a complete four-year pathway in professional planning education, with a specialisation in European Planning. Innovative features include an emphasis on understanding European-wide planning issues, 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.

Course Content

The first two years are shared with the BSc in Planning, Environment and Development degree and students will be eligible to transfer from one degree to the other at the end of the second year. In the third year, MPlan students begin to concentrate on aspects of European planning, including specialised language training.

The degree includes fieldwork in Stages 1–3, including field studies in Europe during Stage 3 (recent destinations have included Amsterdam, Barcelona and Krakow). The fourth year is spent at a partner university in Europe. We currently have partners in Sweden, the Netherlands and Turkey, and new partners are always added.

Stage 1

- Planning, Health and Well Being
- Planning Skills and GIS
- Design Principles in the Built Environment
- Spaces, Places and Plans
- Contemporary Issues in Urban and Rural Planning
- Institutional Context of Planning Practice

Stage 2

- Site Layout and Design
- Theory and Practice of Development Management
- Planning Theory and Society
- Planning and Climate Change
- Economy and Space
- Theory and Practice of Spatial Planning Policy

Stage 3

- Planning Practice Field Study
- Comparative Planning Studies
- Themes in European Planning
- Legal Studies in Planning
- European Planning Perspectives
- European Languages for Planners
- Infrastructure and Transportation Planning
- Conservation of the Built Environment

Stage 4

- Advanced European Planning Studies (i)
- Advanced European Planning Studies (ii)
- Independent Research Project in European Planning
- Work-based Study in European Planning Practice

Why Queen's?

Unique: this degree is unique in the UK in that it offers a four-year combined programme in Planning, linked to specialisation in European Planning.

Ranking: Planning at Queen's is ranked 4th in the UK in the Times and Sunday Times Good University Guide 2017 and 5th in The Guardian University Guide 2017. Planning was ranked first in the UK in the 2016 National Student Survey.

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

MPlan Honours

European Planning 4 yrs (K490)

See also BSc in Planning, Environment and Development

Entrance Requirements

A-level:

ABB + GCSE Mathematics grade C

BTEC Extended Diploma:

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

For students whose first language is not English

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



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 Planning, Environment and Development and the MPlan's Why Queen's?, we anticipate that graduates will find employment in areas such as:

- planning authorities and municipalities
- private planning practice/property development
- design consultants
- housing authorities and agencies, such as housing associations
- health trusts
- policy advisers in planning, urban regeneration and the environment, particularly at the level of the EU
- conservation and environmental NGOs
- teaching (particularly geography)
- public bodies, such as advisory bodies on the environment, heritage, transport and heritage

- various graduate programmes (including banking and management)
- further study (PhD) and research positions

We regularly consult with employers, links which are further enhanced through formal partnership meetings with the bodies that accredit our courses (RICS and RTPI), having a practising planner as one of our External Examiners and involving a wide range of potential employers in student projects and regular careers events.

"This MPlan offered the chance to study and live in Stockholm and 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

Planning at Queen's is ranked 1st in all categories (including Teaching Quality, Academic Support, Personal Development and Overall Student Satisfaction) in the UK National Student Survey, 2016.

Entrance requirements

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

Course information

Dr Wesley Flannery
School of Natural and Built Environment
E: w.flannery@qub.ac.uk
T: +44 (0)28 9097 4754
www.qub.ac.uk/schools/NBE/

FILM AND THEATRE MAKING

Film and Theatre Making

The BA in Film and Theatre Making combines the strengths of Queen's highly regarded Film (ranked first in the Guardian University league tables 2017) and Drama departments, offering students a unique opportunity to study the intricacies of production practice in both film and theatre. Over the three years of the programme, students will learn the basics of directing and acting, along with technical and production elements for both stage and screen.

Course Content

In each year, students will integrate practical learning with historical and theoretical modules that encourage them to take lessons from the history of theatre and film to create new, exciting and innovative work. A typical student pathway might include:

Level 1

Practical Theatre 1
Introduction to Film Practice
Performance Analysis
Introduction to Film Studies 1
Film Editing

Level 2

Practical Theatre 2
American Drama
Cinematography
Experimental Practice
Hollywood Cinema 1

Level 3

Advanced Film Practice 1
Advanced Film Practice 2
Dance Theatre
Theory and Practice of Adaptation
Contemporary Cinema

Why Queen's?

Industry Links

This programme features close links to the Lyric Theatre Belfast, Film NI and the BBC.

World-class Facilities

Students make use of Queen's state-of-the-art Film Studio, the QFT with two digital cinemas, the 120-seat Brian Friel Theatre

(with full lighting and sound facilities) and studio rehearsal space.

Internationally Renowned Experts

The programme features world-leading experts in Documentary film, British Film and Drama, Irish Drama, Shakespeare, dance, etc.

Student Experience

Extracurricular performance opportunities are offered by the Tyrone Guthrie Society and the student Drama Society, which have taken productions to student festivals in Ireland and the UK as well as the Edinburgh Fringe Festival and to festivals in Belgium and Italy.

Careers/Further Study

With its practical and professional components, study in Theatre and Film at Queen's provides an excellent background for work in film, television, on the stage, and in the creative industries. Our graduates have progressed to a range of entertainment and media-based careers.

Positions obtained by recent graduates of Film and Drama at Queen's include:

- Researcher at BBC NI
- Production Trainee at BBC
- Professional actors and directors for the stage
- On-set VFX Supervisor for HBO (*Game of Thrones*)
- Camera Department for HBO (*Game of Thrones*)

BA Honours

Film and Theatre Making 3 yrs (WW65)

See also Drama, and Film Studies and Production

Entrance Requirements

A-level:
ABB

All applicants:

There are no specific subject requirements to study Film and Theatre Making.

For students whose first language is not English

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

- 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.

Further study, including Master's programmes, is also an option; see the School website for further information.

"The drama department offers an excellent programme of study that finely balances practice and theory, giving students adequate freedom to tailor the options according to their strengths, preferences or interests. Along with a strong support network of staff, the opportunities to establish links with theatre practitioners serves only to enrich the experience of studying drama at Queen's."

Kevin McCluskey, BA, MA, PhD in Drama

"Drama at Queen's takes pride in offering students a complete education in all aspects of theatre and drama, practical, theoretical, and historical. Students learn from world-class staff in top-notch facilities in an atmosphere designed to foster intellectual inquiry and personal growth. We offer tutorials with professional theatre practitioners and links to most of the major theatres in Belfast."

Dr Kurt Taroff, Lecturer in Drama



Queen's is unique among Russell Group institutions in offering a pathway in Film and Theatre Making, allowing the best and brightest students to focus on practical skills in both disciplines.

Entrance requirements

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

Course information

Dr Kurt Taroff, Lecturer in Drama, Director of Undergraduate Education
School of Arts, English and Languages
E: k.taroff@qub.ac.uk
T: +44 (0)28 9097 5106
www.qub.ac.uk/ael

Film and Theatre Making

FILM STUDIES AND PRODUCTION

The Film Studies and Production degree aims to introduce students to the widest possible experience of filmmaking and film culture through the integration of film production and critical thinking. Film degrees at Queen's were ranked 1st in the 2017 Guardian League Tables.

Course Content

The BA in Film Studies and Production is taught through an equal mix of hands-on film production modules and critical film studies modules, with increasing flexibility at Levels 2 and 3. The modules will typically include (*indicating compulsory module):

Year 1

- Introduction to Film Studies 1*
- Introduction to Film Studies 2*
- Introduction to Film Practice*
- Film Editing*
- Introduction to Visual Studies

Level 1 students also have the opportunity to take one or two approved modules in other subject areas.

Year 2

Compulsory

- Cinematography

and/or

- Screenwriting

Optional

- Experimental Practice
- Hollywood Cinema 1
- World Cinemas
- Film Authorship
- Cinema and Modernism
- Documentary Film
- British Cinema: Nation, Identity and Industry
- Screen Industries in Europe
- Introduction to Arts Management

Year 3

- Advanced Film Practice 1*
- Advanced Film Practice 2*
- Work Placement
- Dissertation

- Film and Music: Theory and Criticism
- Cinema and Postmodernism
- British Film and Cinema: Decades and Debates
- Contemporary Cinema
- Hollywood Cinema 2

Why Queen's?

Industry Links

Northern Ireland has one of the fastest growing creative industry sectors in the UK economy. Film production teaching is regularly carried out and supervised by tutors who are actively involved in the film and media industry, providing invaluable opportunities to learn first-hand from film and media professionals.

Film at Queen's has close links with a range of independent and community-based film and media production companies as well as BBC (NI), Northern Visions, UTV, and Belfast Film Festival, Screen NI, and the Queen's Film Theatre.

Global Opportunities

You will have the opportunity to apply for study abroad for a semester through student exchange on this degree in Europe or North America.

World-class Facilities

Our Film degrees use cutting-edge digital production facilities; we have both offline and online editing suites, with software such as Avid Media Composer, DaVinci Resolve, Nuke for VFX Compositing, Fusion and Pro Tools. Full high-definition cameras are available, as are substantial lighting and grip kits for location work. Practical classes are held in a dedicated Film Studio with full broadcast-quality LED lighting using

BA Honours

Film Studies and Production 3 yrs (W600)

See also Film and Theatre Making

Entrance Requirements

A-level:

BBB

All applicants:

There are no specific subject requirements to study Film Studies and Production.

For students whose first language is not English

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

electrically-controlled hoists and green screen.

Student Experience

We are an Authorised Avid Learning Partner for Pro Tools and Avid Media Composer, offering certified industry-approved training integrated into the degree.

Placement

Film at Queen's has built up extensive industry partnerships with local film production companies, which have been experiencing significant growth in recent years. Industry placement forms an important component of the Single Honours degree at Level 3.

Careers/Further Study

Film, with its practice and professional components, provides an excellent background for work in film, television and other media and creative industries. A degree in Film Studies can lead to a wide range of careers in education, training and arts administration as well as postgraduate study.

Our graduates include:

- Claire Campbell (Researcher, BBC NI)
- Daniel McCabe (Production Trainee, BBC)
- Niall McEvoy (on set VFX supervisor, HBO, *Game of Thrones*)
- Grace Sweeney (Camera Department, HBO, *Game of Thrones*)
- Michele Devlin (Director of The Belfast Film Festival)

Further study at Master's and doctoral level is also an option; see the School website for further information on the MA in Film, and the Film PhD programmes (including practice-based research)

Film Studies degrees at Queen's are rated first in the UK (Guardian University League Tables for Film and Production, 2017)



"I would recommend the course to anyone aiming towards a career in the creative industries, as well as anyone looking to learn from highly-experienced staff."

Daniel McCabe,
Ballynahinch, Northern Ireland
BA Film Studies Graduate (2011)
Currently Sound Trainee at HBO
(*Game of Thrones*)

Entrance requirements

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

Course information

Dr Des O'Rawe, Lecturer in Film Studies
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www.qub.ac.uk/ael

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. 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.

Course Content

Six modules are taken in each of Years 1, 2 and 4. In Year 3, students undertake a salaried placement in a financial environment for a minimum of nine months.

Stage 1

- Financial Reporting and Analysis
- Instruments, Markets and Institutions
- Price Theory
- Mathematics for Finance
- Principles of Economics
- Statistical Methods

Stage 2

- Behavioural Finance
- Introductory Econometrics
- Investment Analysis
- Managerial Economics
- Monetary Theory
- Excel and VBA

Stage 3

Placement (internship with a financial organisation)

Stage 4

- Capital Markets
- Corporate Finance
- Financial Econometrics
- Financial Engineering
- Fixed Income Instruments
- International Finance

Why Queen's?

Professional Recognition

The BSc Finance at Queen's has been accepted into the Chartered

Financial Analysts (CFA) University Recognition Program.

Industry Links

You will have the opportunity to apply to take part in a Finance Trip to London to meet with leading financial institutions and visit the Bank of England.

World-class Facilities

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

Student Experience

Students can join the Trading and Investment Club, a student run organisation which aims to educate its members on trading and investing.

Prizes and Awards

Top performing students are regularly awarded prizes and scholarships from leading financial companies, eg PwC, KPMG, EY, Barclays, BDO, Citi, Morgan Stanley, Pramerica and Ulster Bank.

Careers/Further Study

This programme closely reflects the real-world finance and investment environment and focuses on the applied skills that employers look for.

We regularly consult and develop links with a large number of employers including all the major finance employers in Northern Ireland, Republic of Ireland and Britain. We host annual employer liaison meetings for

BSc Honours

Finance 4-yr SW (N300)

See also Economics, Business Economics and Accounting

Entrance Requirements

A-level:

ABB including Mathematics

OR

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

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.

Masterclasses: students are offered exposure to experts from the London financial markets, who share their industry knowledge and advice.

Graduate Careers and Achievements

Our graduates find employment in investment banks, corporate banks, building societies, insurance houses, stockbrokers, investment banks, accountancy and actuarial firms, specialist financial and private equity companies as well as in the finance functions of more general companies.

Typical career destinations of graduates include:

- Financial Analysts (in bonds, equities and derivative products)
- Fund Managers
- Treasurers
- Financial planners
- Wealth managers
- Accountants
- Financial Economists
- Forecasters
- Corporate lenders

Recent graduate employers have included: Allstate; Bank of Ireland; Citi Group; Delta Index; Energia; Ernst & Young; First Derivatives; Goldman Sachs; HSBC; Kerr Henderson; KPMG; Mercer Plc; Morgan

Stanley; Nationwide Building Society; Nomura Bank; Oxford Economics; PIMCO; PwC; Setanta Asset Management.

Further Study

Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website for further information.

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

Accounting and Finance at Queen's is ranked 4th in the UK in the Complete University Guide 2017.

"I think it's great that Finance students have access to Bloomberg terminals from first year: it is a big advantage over other finance degrees. The placement year is also an invaluable opportunity to develop professional skills, work out your career path, and secure graduate job offers going into final year."

Kerri Cassidy, BSc Finance

Entrance requirements

E: admissions@qub.ac.uk

T: +44 (0)28 9097 3838

Course information

Dr Gareth Campbell,

Programme Director

Queen's Management School

E: gareth.campbell@qub.ac.uk

T: +44 (0)28 9097 4821

www.qub.ac.uk/mgt



FOOD QUALITY, SAFETY AND NUTRITION

This degree programme is about gaining the knowledge and understanding of three key areas in relation to food production and consumption.

- Food Quality concerns the 'fitness for purpose' of our food in terms of appearance (eg colour and surface qualities, texture, flavour and odour) and how these can be improved.
- Food Safety considers the physical, microbiological and chemical aspects of our food, which may be harmful to human health and how these can be minimised.
- Nutrition concerns the nutrient supply from foods necessary to support the human body in health and during ill health throughout all life stages.

These degrees emphasise the inter-relationship between these areas and their equal importance in food production.

Course Content

The subjects studied on this course are wide ranging and include; food (biochemistry, chemistry, commodities, hygiene, marketing, microbiology, policy, processing, product development, psychology, quality and safety), fundamental and clinical nutrition, human physiology, diet and health as well as business innovation and entrepreneurship.

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 (16 weeks)

Year Out

(Professional Studies programmes only)

Students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies

Stage 3

- Business Innovation and Entrepreneurship
- Clinical Nutrition
- Food Product Development
- Food Supply Chain Safety and Security
- Research Project (BSc Students Only)

Stage 4 (MSci only)

- Research Project

BSc Honours

Food Quality, Safety and Nutrition 3 yrs (DB6K)

Food Quality, Safety and Nutrition with Professional Studies 4-yr SW (BDK6)

MSci Honours

Food Quality, Safety and Nutrition 4 yrs (DB64)

Food Quality, Safety and Nutrition with Professional Studies 5-yr SW (BD46)

See also Food Science and Food Security

Entrance Requirements

BSc

A-level:

BBB including Biology and Chemistry + GCSE Mathematics grade C

OR

BBB including Biology and either Home Economics or Nutrition & Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

ABB including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

BTEC Extended Diploma:

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

MSci

A-level:

AAB including Biology and Chemistry + GCSE Mathematics grade C

OR

AAB including Biology and either Home Economics or Nutrition & Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant Food/Science BTEC Extended Diploma with 140 credits at Distinction and 40 credits at Merit + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

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

Option to Transfer: transfers between BSc and MSci may be possible at the end of Stage 2.

For students whose first language is not English

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

Why Queen's?

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 Hygienic Food Processing 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'.

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.

Flexibility

The unique flexible design of these degrees enables transfer to the MSci Food Science and Food Security degree up until the end of Stage 2 (provided students meet the necessary requirements).

Careers/Further Study

Studying for a Food Quality, Safety and Nutrition with Professional Studies degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Although the majority of our graduates are interested in pursuing careers in the food industry or health promotion, some develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Food industry – graduate recruitment schemes
- Food industry – new product development
- Food industry – technical areas

- Food industry – quality management
- Charities – health promotion
- Nutrition – assistant dietician in a hospital trust
- Teaching – home economics [PGCE needed]
- Research – industry research association
- Research – PhD studies

Employer Links

We regularly consult and develop links with a large number of employers including all those who provide work placement opportunities. These range from multinationals such as Moy Park and Sainsbury's to local companies such as Irwin's and Tayto.

Many companies provide support for the course and students through repeatedly offering 16-week work placements. A number of such placements lead to employment for the students when they graduate.

Placement Employers

Our past students have also gained work placement with organisations such as: Sainsbury's, Marks & Spencer, Kerry group, Kraft foods, Moy Park, Tayto, Ulster Cancer Foundation, hospital trusts and many more.



Entrance requirements

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

Course information

The School Manager
School of Biological Sciences
E: Biosciences-ug@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

FOOD SCIENCE AND FOOD SECURITY

Globally we face huge and growing challenges to supply the world's population with adequate safe and nutritious food. Food scientists will play a crucial role in addressing global food insecurity.

This unique food science qualification combines BSc and Master's-level study and allows students to develop their subject to a high level, experiencing cutting-edge technologies involved in food research.

The subject is underpinned by a scientific understanding of food, such as its properties and composition, production and manufacture, testing and regulation, interaction with the human body, and the current and future challenges for its safety and supply.

Course Content

The overall vision is to provide a dynamic learning environment committed to excellence in teaching and research, that contributes to national and global efforts, to provide the world's growing population with a sustainable, safe and secure supply of high-quality food.

In doing so Queen's seeks to prepare internationally-recognised graduates for leading roles in the production and supply of safe and nutritious food. 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 (16 weeks)

Year Out

(Professional Studies programmes only)

Students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies.

Stage 3

- Business Innovation and Entrepreneurship
- Global Issues in Agriculture
- Food Product Development
- Food Supply Chain Safety and Security

Stage 4

- Food Safety Health and Disease
- Advanced Food Bioanalysis
- Research Project
- Agri Food Traceability and Fraud

Why Queen's?

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

MSci Honours

Food Science and Food Security 4 yrs (D990)
Food Science and Food Security with Professional Studies 5-yr SW (D991)

See also Food Safety, Quality and Nutrition

Entrance Requirements

A-level:

AAB including Biology and Chemistry + GCSE Mathematics grade C

OR

AAB including Biology and either Home Economics or Nutrition & Food Science + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAB including Chemistry and either Home Economics or Nutrition & Food Science + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

AAA including Biology or Chemistry or Double Award Applied Science + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant Food/Science BTEC Extended Diploma with 140 credits at Distinction and 40 credits at Merit + GCSE Biology and Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

Note: MSci applicants will automatically be considered for admission to the BSc Food Quality, Safety and Nutrition degree if they are not eligible for entry to the MSci, both at initial offermaking stage and when results are received.

Option to Transfer: transfers between BSc Food Quality, Safety and Nutrition and MSci may be possible at the end of Stage 2.

For students whose first language is not English

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

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 Masters 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.

Facilities

Students may complete their project work at the Institute for Global Food Security at Queen's. Headed by Professor Chris Elliott, the Institute was at the forefront of uncovering and understanding the horsemeat scandal.



Careers/Further Study

Nationally and internationally there is a shortage of food science graduates with higher level research skills and technical expertise. These degrees are designed to produce graduates ideally suited to high-level careers in research, R&D, industry, education, and also for PhD study.

The Food Science and Food Security MSci degree programme is entirely new and we anticipate that prospective employers of graduates with Masters-level qualifications will range from multinational corporations, global research institutes, universities and local companies.

The School and the Institute for Global Food Security are well connected both locally and internationally and unique project and employment opportunities arise on a regular basis.

Although the majority of our graduates are interested in pursuing careers in the food industry or health promotion, some develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Food industry – graduate recruitment schemes
- Food industry – new product development
- Food industry – technical areas
- Food industry – quality management
- Charities – health promotion
- Nutrition – assistant dietician in a hospital trust
- Teaching – home economics [PGCE needed]
- Research – industry research association
- Research – PhD studies

Employer Links

We regularly consult and develop links with a large number of employers including all those who provide work placement opportunities. These range from multinationals such as Moy Park and Sainsbury's to local companies such as Irwin's and Tayto.

Many companies provide support for the course and students through repeatedly offering 16-week work placements. A number of such placements lead to

employment for the students when they graduate.

Placement Employers

Our past students have also gained work placement with organisations such as: Sainsbury's, Marks & Spencer, Kerry group, Kraft foods, Moy Park, Tayto, Ulster Cancer Foundation, hospital trusts and many more.

Food Science courses within Queen's are ranked 2nd in the UK (Complete University Guide 2017). This unique food science qualification combines BSc and Masters-level study and allows students to develop their subject to a high level, experiencing cutting-edge technologies involved in food research. The degree also offers opportunities for additional laboratory training and experience, for example summer scholarships.

Entrance requirements

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

Course information

The School Manager
School of Biological Sciences
E: Biosciences-ug@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/

FRENCH STUDIES

French at Queen's reflects the dynamism and cultural diversity of the French-speaking world, focusing on the language, culture and society of metropolitan France, and opening up perspectives on a range of global cultures. French language, written and oral, is at the centre of the course. Students will also explore a variety of contemporary issues, historical periods and geographical areas through a range of media, including art, cinema, linguistics and literature. All students spend an academic year in a Francophone country.

Course Content

Level 1

Core Modules

- French Language 1 OR Intermediate French 1 OR Beginners' French 1
- Introduction to French Studies 1
- Introduction to French Studies 2
- 5th module to be chosen from agreed list
- 6th module to be chosen from agreed list

Level 2

Core Module

- French Language 2

Optional Modules

- Myth and Biography in Recent French Fiction
- French Noir
- France-Algeria: Forgetting and Remembering
- Modern Autobiography

Level 3

Core Module

- French Studies 3

Optional Modules

- Modernism(s)
- Ambition & Desire: The Nineteenth Century French Novel
- Romance and Realism in Media Cultures
- Contemporary Francophone Chinese Fiction

Why Queen's?

Global Opportunities

Students taking a BA in French undertake an extended period of residence abroad (typically 8 months), normally working as an assistant in a school or undertaking a paid work placement in a French-speaking country (options include France, but also, for example, Canada, Martinique and Réunion). Students can also elect to study at a French-speaking university. In addition to the benefits for oral competence, the residence provides a unique opportunity for immersion in French and Francophone culture. Moreover, the Year Abroad is a significant learning and employability enhancement opportunity. This feature of our degree programme gives students the opportunity for personal development, and further develops communication and language skills and intercultural awareness. The challenges of living abroad come to be a unique (and unforgettable) stage in their own personal development.

World-class Facilities

Queen's has an excellent library with an outstanding range of resources in French and Francophone cultures. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

Internationally Renowned Experts

French at Queen's is taught by world-leading experts in nineteenth and twentieth-century French and Francophone culture, with particular expertise in visual culture, linguistics, popular culture, medical humanities and postcolonial writing. Research in Languages at Queen's was

BA Single Honours

French 4 yrs (R120)

BA Joint Honours

Anthropology and French 4 yrs (RL16)
 English and French 4 yrs (QR31)
 French and History 4 yrs (RV11)
 French and International Studies 4 yrs (RLC2)
 French and Irish 4 yrs (QR51)
 French and Politics 4 yrs (RL12)
 French and Portuguese 4 yrs (RR15)
 French and Spanish 4 yrs (RR14)
 (see page 190)

French may also be studied as part of the following degrees (see separate entries):

Archaeology with French (BA Hons) 4 yrs (V4R1)
 Accounting with French (BSc Hons) 4 yrs (N4R1)
 Chemistry with French (MSci Hons) 5 yrs (FR11)
 Common and Civil Law with French (LLB Hons) 4 yrs (M2R1)
 Economics with French (BSc Hons) 4 yrs (L1R1)
 International Business with French (BSc Hons) 4 yrs (N1R1)

Entrance Requirements

Post-A-level: ABB including A-level French for BA Single and BA Joint Honours except BA Joint Honours with Anthropology for which the target is BBB including A-level French.

Note: for applicants who have not studied A-level French then AS-level French grade B would be acceptable in lieu of A-level French.

Beginners' level: ABB + GCSE French grade B or evidence of linguistic ability in another language for BA Single and BA Joint Honours except BA Joint Honours with 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.

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

ranked 3rd in the UK in the most recent Research Assessment (REF 2014).

Student Experience

Students run a lively French Society and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

Prizes and Awards

There are a number of undergraduate prizes available to top-performing students on this pathway. In addition to Foundation Scholarships recognising outstanding achievement in Level 1, we have a range of endowed prizes. The AN Troughton Award and The Samuel and Sarah Ferguson Travel Prize recognise academic achievement at Levels 1 and 2. The Chris Shorley Prize rewards the best performances in the Language exam in Level 3, and the Richard Bales Prize is awarded to the student with the highest mark in an optional module in Level 3. Students of both languages receive a certificate of distinction for first class performance in the Level 3 oral.

Careers/Further Study

Typical careers pursued by our graduates include business, media and communications, marketing, advertising, publishing, education/teaching, translation/interpreting, PR, journalism, tourism, fast stream Civil Service, and banking. Graduates are particularly in demand in careers requiring a high level of communication and presentation skills, as well as strong critical and analytical thinking.

Eighty-eight per cent of our graduates are in employment or further study within six months of graduation. Starting salaries are in the region of £21,800. They are employed in a range of organisations, from the BBC and UTV to the Civil Service, from the Irish News to the European Parliament, and including a very wide range of local, national and international companies.

Employer Links – Consultations

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council.

Placement Employers

Our past students have also gained work placement with organisations such as the British Council Assistantships Programme.

Further Study

Further study is also an option open to French graduates. Students can continue to our MRes programme, which will be tailored to a student's particular interests, and will involve a combination of guided study and independent research. It is a research preparation degree, allowing students to explore in depth a topic of their choice. It is an ideal preparation for PhD research. Other postgraduate programmes of possible interest for graduates of French include the MA in Arts Management and the MA in Translation.

"As part of the BA in French, you learn skills that are invaluable in the workplace. Writing and delivering presentations; building working relationships and teaching classes in a foreign country; organising events; working to set deadlines and using critical analysis – all experiences and abilities I have carried with me into employment."

Robert Ainley, BA French (2009)
 Assistant producer, UTV

"I have thoroughly enjoyed my experience here at Queen's. I have found my course to be both stimulating and enjoyable and the facilities really are second-to-none. The standard of teaching is first class and the support available to students is excellent. I would definitely recommend Queen's to anyone."

Maoliosa McGarry, Level 3 student

French at Queen's has frequently been in the top five, and consistently in the top seven, in a range of UK league tables over the last three years. French came 2nd, with an overall satisfaction score of 96%, in the Sunday Times subject rankings 2016. It is ranked 5th in the Guardian University League Table for 2017, and is 7th in the Complete University Guide for 2017. In the most recent Research Assessment (REF 2014), Languages at Queen's were ranked third in the UK.



Entrance requirements

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

Course information

Dr Maeve McCusker, Senior Lecturer, French School of Arts, English and Languages
 E: m.mccusker@qub.ac.uk
 T: +44 (0) 28 9097 3680
 www.qub.ac.uk/ael

FRENCH AND SPANISH

The emphasis in the BA in French and Spanish is on linguistic proficiency and inter-cultural awareness; language and identity are central to the programme. You will be critically reflecting on a variety of contemporary issues, historical periods and geographical areas (France and Spain, but also for example Latin America and the Francophone Caribbean), explored through a range of media including art, cinema, linguistics and literature. The degree includes residency (average eight months) in a Francophone or a Spanish-speaking country.

Course Content

Level 1

In French, students must take TWO modules at Level 1 – students must take the core and one optional which can be taken either semester. In Spanish, students must also take TWO modules at Level 1 – students must take the core and one optional which can be taken either semester.

Core Modules

- French 1 OR Intermediate French OR French for Beginners
- Spanish 1 OR Intermediate Spanish OR Spanish for Beginners
- Introduction to Iberian Studies
- Introduction to Latin American Studies

Optional modules

- Introduction to French Studies 1
- Introduction to French Studies 2

Level 2

In French, students must take TWO modules at Level 2 – students must take the core and one optional which can be taken either semester. In Spanish, students must also take TWO modules at Level 2 – students must take the core and one optional which can be taken either semester.

Core Modules

- French 2
- Spanish 2

Optional Modules

- Myth and Biography in Recent French Fiction
- French Noir
- Linguistic Variation in French

- Modern Autobiography
- Issues and Cultures of the US-Mexico borderlands
- Afterlives: Rogues and Mystics of the Spanish Golden Age
- Spanish Memoirs and Autobiographies
- The Fantastic in Latin America

Year Abroad Modules

Either

- Working and Studying Abroad (French)
 - International Placement: Langs Yr. Abroad (French)
- Or
- Working and Studying Abroad (Spanish)
 - International Placement: Langs Yr. Abroad (Spanish)

Level 3

In French, students must take TWO modules at Level 3 – students must take the core and one optional which can be taken either semester. In Spanish, students must also take TWO modules at Level 3 – students must take the core and one optional which can be taken either semester.

Core Modules

- French 3
- Spanish 3

Optional Modules

- Modernism(s)
- Ambition & Desire: The Nineteenth Century French Novel
- Romance and Realism in Media Cultures
- Contemporary Francophone Chinese Fiction
- Caribbean Cultures
- The Structure of Modern French

BA Joint Honours

French and Spanish 4 yrs (RR14)

See also French Studies

Entrance Requirements

Post A-level French

ABB including A-level French.

Note: for applicants who have not studied A-level French then AS-level French grade B would be acceptable in lieu of A-level French.

Beginners Level French

ABB + GCSE French grade B or evidence of linguistic ability in another language.

Note: the Beginners' option is not available to those who have studied A-level or AS-level French.

Post A-level Spanish

ABB including A-level Spanish.

Note: for applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish.

Beginners Spanish

ABB + GCSE Spanish grade B or evidence of linguistic ability in another language.

Note: the Beginners' option is not available to those who have studied A-level or AS-level Spanish.

For students whose first language is not English

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

- Rewriting Love in the Renaissance
- Identity, Sex and Sexuality in Post-Revolutionary Cuba
- Failed Romances of Latin American Literature
- Imperfect Heroines: Spanish fiction in the 19th and 20th centuries

Why Queen's?

Global Opportunities

Students taking a BA in French and Spanish have a very genuine opportunity to acquire professional experience in a global context. They undertake an extended period of residence abroad in a French- or Spanish-speaking country (typically eight months), normally working as an English language assistant in a school, or undertaking a paid work placement (destinations include France and Spain, but also for example Mexico, Canada and Martinique). Students can also elect to study at a French- or Spanish-speaking university. In addition to the benefits for oral competence, the residence provides a unique opportunity for immersion in one of the cultures of the languages studied. Moreover, the Year Abroad is a significant learning and employability enhancement opportunity.

Industry Links

Graduates of French and Spanish have risen to the top in a number of fields, including media, print journalism, translating, marketing, local government, fast-stream Civil Service, and a very wide range of local, national and international companies.

World-class Facilities

Queen's has an excellent library with an outstanding range of resources in French and Spanish cultures. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

Student Experience

Students run lively French and Spanish Societies, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

Careers/Further Study

Typical careers pursued by our graduates include business, media and communications, marketing, translation, publishing, education/teaching, translation/interpreting, PR, journalism, fast stream Civil Service, tourism and banking. Graduates are particularly in demand in careers requiring a high level of communication and presentation skills, as well as strong critical and analytical thinking.

Eighty-eight per cent of our graduates are in employment or further study within six months of graduation. Starting salaries are in the region of £21,800. They are employed in a range of organisations, from the BBC and UTV to the Civil Service, from the Irish News to the European Parliament, and including a very wide range of local, national and international companies.

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council.

Our past students have also gained work placements with organisations such as the British Council Assistantships Program and with Citibank.



Further study is also an option open to graduates of French and Spanish. Students can continue to our MRes programme, which will be tailored to a student's particular interests, and will involve a combination of guided study and independent research. The MRes can lead on to a PhD programme – research specialisms of individual staff are available on the School website. Other postgraduate courses of possible interest for graduates of French and Spanish include the MA in Arts Management and the MA in Translation.

“My experience of studying French and Spanish at Queen's has been incredible. The classes and year abroad experience have really helped me improve my languages, but what I have loved most about this course has been the opportunity to learn about so much more than just the languages themselves. It has given me a passion for studying culture, history and literature from France and Spain.”

Emily Rankin, Joint French and Spanish student

Entrance requirements

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

Course information

Dr Maeve McCusker,
Senior Lecturer, French
School of Arts, English and
Languages
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www.qub.ac.uk/ael

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.

Course Content

Our degrees provide fundamental skills and knowledge while allowing students to tailor their degree according to their interests and ambitions. There are three stages, outlined below.

Stage 1

Students take a foundation year of Human and Physical Geography modules:

- Dynamic Earth
- Human Geographies of the Modern World
- Processes and Principles of Physical Geography
- Spaces of Development

Modules are delivered through combinations of lectures, tutorials, practical classes and field work. They provide an introduction to the subject and analysis of the inter-connections between global, regional and local scales. Associated essays, practicals and research projects contribute to the overall assessment.

Stage 2

Single Honours students take core modules that explore contemporary approaches to geographical inquiry, the acquisition and analysis of geographical information, research design, and professional practice.

Students also select options from a range of human or physical geography. These include modules on sustaining the biosphere, political and cultural geography, maps and mappings, and international field work. The latter includes participating in overseas residential field-based research projects, such as the ones we currently run in Iceland, Malta and Mallorca.

Stage 3

An element of independent study is required at Stage 3, where students carry out a supervised research project on a topic that interests them (the dissertation).

Students also select other specialised modules, which vary from year to year, but may include:

- Advanced GIS
- Arid Environments
- Climate Change
- Environmental Geopolitics
- Geoforensics
- Geographies of Contested Territories
- Geographies of Global Finance
- Geographies of War and Public Memory
- Geography, Science and Society
- Glacial Environments
- Sea-Level Change: Past, Present and Future
- Spaces of Urbanisation in Emerging Economies
- Geography at Work (employer-based research projects)

Why Queen's?

We offer a variety of opportunities to study abroad in the EU, USA, Canada and Australia. Students enrolled in the Geography with a Language programme also spend an additional year studying Geography at a French or Spanish university.

Professional Accreditation

Our BSc. Single Honours Programme in Geography has been accredited by the Royal Geographical Society (with IBG). Accredited degree programmes contain a solid academic foundation in geographical knowledge and skills, and prepare graduates to address the needs of the world beyond higher education. The accreditation

BSc Single Honours

Geography 3 yrs (F800)
Geography with a Language 4 yrs (F8RX)

BSc Joint Honours

Archaeology-Palaeoecology and Geography
3 yrs (VF48)

Entrance Requirements

BSc Geography (Single and Joint Honours)

A-level:

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

BSc Geography with a Language

A-level:

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

For French option: A-level French grade B

For Spanish option: A-level Spanish
grade B

For students whose first language is not English

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

criteria require evidence that graduates from accredited programmes meet defined sets of learning outcomes, including subject knowledge, technical ability and transferable skills.

Careers/Further Study

Studying for a Geography degree at Queen's develops 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 urban and rural planning, environmental conservation and management, careers in GIScience and teaching. A significant number develop careers in a wide range of other sectors, eg management, marketing, NGOs, financial services, the Civil Service (especially land and property, environment, and development agencies), computing (especially using geographic data), and various graduate programmes.

We regularly consult and develop links with a large number of employers including the NI Environment Agency, the National Trust, Land and Property Services, and the Geological Survey of NI (GSNI), who provide advice on our programmes and in-depth careers sessions on their work.

We have embedded a careers programme within our personal tutoring system and a dedicated module in Stage 2. The latter includes talks from employers on professional career opportunities, support in building your CV, and practice in applying and interviewing for graduate-level jobs.

The importance we attach to building relationships with employers is also illustrated by our Stage 3 Geography at Work module. This highly vocational module centres on undertaking employer-led research projects. This initiative has proven of great benefit to our students, employers in the region and the quality of our degree. Past students have worked on projects for organisations such as the Marble Arch Caves Geopark, GSNI, the Ulster Wildlife Trust, Land and Property Services, the National Trust, the PSNI and the Belfast Hills Partnership.

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



"Had I studied anywhere other than Queen's, I don't think I would have had such an amazing experience. The friendliness, warmth and community atmosphere within Geography, coupled with an exceptional standard of teaching, meant help was never far away."

Sophie Truran
Witney, Oxfordshire, England
BSc Geography Graduate

Entrance requirements

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

Course information

School of Natural and Built Environment
E: snbe@qub.ac.uk
T: +44 (0)28 9097 3350/3829
www.qub.ac.uk/schools/NBE/



H HEALTH AND CLINICAL STUDIES

The School of Nursing and Midwifery is uniquely positioned to offer an innovative approach to nursing with an 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.

Course Content

This 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, as well as gaining valuable clinical based practical experience.

The BSc in Health and Clinical Studies 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 lifelong learning.

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

Why Queen's?

Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' response to the specific scenarios.

BSc Honours
Health and Clinical Studies 2 yrs

See also Health Studies and Nursing Top Up

Entrance Requirements

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.



Internationally Renowned Experts

The educational staff within the School are renowned across the world for their innovative activities and subject expertise.

Learn Skills through Multidisciplinary Activity

Nurses and Midwives learn to be an integral part of a healthcare team. Within this School, multidisciplinary teams of medical students and nursing students work together during interprofessional learning scenarios.

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 healthcare provision including in leadership and management roles.

Graduates of the BSc in Health and Clinical Studies may be eligible to access a range of postgraduate study options, eg 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

The BSc Health and Clinical Studies 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.

Entrance requirements

Student Support Office
School of Nursing and Midwifery
E: nursing@qub.ac.uk
T: +44 (0)28 9097 5714
www.qub.ac.uk/nur

Course information

Dr Marian Traynor,
Director of Education
School of Nursing and Midwifery
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T: +44 (0)28 9097 2233
www.qub.ac.uk/nur

The School of Nursing and Midwifery is uniquely positioned to offer an innovative approach to nursing with an 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.

Course Content

This 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.

The BSc in Health Studies 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 lifelong learning.

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.

Why Queen's?

Global Opportunities

Student exchange programmes enrich your ability to critically compare the diverse delivery of healthcare and practice from a more global perspective. As globalisation becomes increasingly important, the opportunity to study abroad, and experience another culture is a rewarding and meaningful experience.

Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' response to the specific scenarios.

Internationally Renowned Experts

The educational staff within the School are renowned across the world for their innovative activities and subject expertise.

Learn Skills through Multidisciplinary Activity

Nurses and Midwives learn to be an integral part of a healthcare team. Within this School, multidisciplinary teams of medical students and nursing

BSc Honours
Health Studies 1 yr full time (part-time options available)

See also Nursing Top Up and Health and Clinical Studies

Entrance Requirements

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.



students work together during interprofessional learning scenarios.

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 postgraduate study options

which will enhance their career progression opportunities, eg MSc Advanced Professional Practice.

This programme allows diploma-qualified nurses and midwives to develop and deepen their knowledge and go on to become specialists in their chosen area.

Entrance requirements

Student Support Office
School of Nursing and Midwifery
T: +44 (0)28 9097 5714
E: nursing@qub.ac.uk
www.qub.ac.uk/nur

Course information

Dr Marian Traynor,
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T: +44 (0)28 9097 2233
www.qub.ac.uk/nur

The undergraduate History programme at Queen's offers students a wide choice of modules. Courses span a long chronological period from Ancient History through to the Contemporary History of the late twentieth century. The School has specialists in ancient, medieval, early modern and modern history. The modules on offer to undergraduates also cover a wide geographical area that includes Ireland, England, Scotland, Europe, Africa, Asia and North America. Students can choose modules that focus on gender, social and cultural history, colonial history, politics, religious and economic change.

Course Content

Stage 1

Core modules

- Exploring History 1
- World on the Move
- Exploring History 2
- History and Historians

Optional modules

- Revolutions

Either one or two optional modules from other subject areas depending on whether the module 'Revolutions' is selected

Stage 2

Students take six modules:

One of:

- History and Society
- Recording History
- Visualising China's encounter with the West
- Cabinets of Curiosity: Museums of Past and Present

Plus a choice of five modules from:

- Politics and Society in 19th Century Ireland
- The making of Modern Britain
- Running the Roman Empire AD41 – 235
- The American South, 1619 – 1685
- The Roman Origins of the East and West, 300 – 800
- Europe between the Wars
- Life, Love and Death in England and Ireland, 1350 – 1650
- Uniting Kingdoms

- Apocalypse, End of the World
- Politics and Society in 20th Century Ireland
- The making of contemporary Britain
- Greece and Macedon
- The American South, 1865 – 1980
- The Expansion of Medieval Europe
- Revolutionary Europe, 1500 – 1789
- Maymester module: Civil Rights in Northern Ireland and the US

Stage 3

Dissertation (compulsory)

Plus a choice of four modules from:

- The Russian Revolution
- The Second World War in Europe
- The Peasants Revolt, 1381
- Working class communities in the UK
- The Soviet Union, 1921 – 1991
- Britain and the Cold War
- Kings and Saints in Early Medieval Ireland
- Kings, courts and culture in Carolingian Europe
- Family, gender and household, 1740 – 1844
- Rise of Christianity 1
- Rome under the Early Emperors
- Crisis and decolonisation: The British Empire and the World, 1939 – 1997
- Society and Politics in Belfast 1780-1914
- Popular Culture in England – 1500 – 1700
- Origins of the Reformation
- Evangelical Protestantism in Ulster
- The rise of Christianity 2
- After Slavery
- The Irish Revolution 1917-1921
- Cold War in Asia

BA Single Honours

History 3 yrs (V140)

BA Joint Honours

Anthropology and History 3 yrs (VL16)

(see page 104)

Archaeology and History 3 yrs (VV41)

English and History 3 yrs (QV31)

French and History 4 yrs (RV11)

History and International Studies 3 yrs (LV21)

History and Irish 3 yrs (QV51)

History and Philosophy 3 yrs (VV1M)

History and Politics 3 yrs (VL12)

History and Sociology 3 yrs (VL13)

History and Spanish 4 yrs (RV41)

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

- The age of anxiety: Culture and Society in Interwar Ireland
- Religion, Secularization and Conflict in Modern Europe, 1789 to present
- There Ain't No Black in the Union Jack? Race and Immigration in Post-war Britain
- The War of Ideas in Seventeenth-Century Ireland
- Modern America: The United States since 1964
- Going Places

Why Queen's?

Global Opportunities

The History programme offers students opportunities to travel and study at universities in Europe and North America. Short-term (two weeks) and longer-term (up to one academic year) exchanges are on offer.

Examples include:

- Aarhus Universitet (Denmark)
- College of Charleston (South Carolina, USA)
- Institut d'Etudes Politiques de Bordeaux (France)
- University of Oslo (Norway)
- Universiteit Utrecht (Netherlands)
- Vanderbilt University (Nashville, Tennessee, USA)

Field trips are also offered in particular years or as part of certain modules.

Top Ranking

History at Queen's has been placed in the QS World University Rankings top 150 History departments in the world for 2016.

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.

Careers/Further Study

Skills to Enhance Employability

Studying for a History degree at Queen's will assist you in developing the core skills and employment-related experiences that

are valued by employers, professional organisations and academic institutions.

Close Links with Employers

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

Although many of our graduates are interested in pursuing careers in teaching, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors that have attracted our graduates in recent years:

- Accountancy
- Fast-stream Civil Service
- Management consultancy
- Museums, archives and libraries
- Performing arts
- Public relations
- Publishing and media
- Teaching
- Voluntary sector/charities

A survey of graduates six months after graduation reveals that Queen's graduates from History have recently gone into a range of careers, including: Recruitment Consultant; Trainee Accountant; Army Officer Cadet; Insurance Advisor; Management Trainee; Political Researcher; Fraud Officer; Business Development Officer; Business Associate; Auditor; Technology Consulting Associate; Arts Development Manager; Legal Assistant; Trainee Teacher; Rugby Coach; and Project Support Analyst.

Many others went on to further study, not only in History MAs, but also MSc Management, MSc Software Development, PGCE History, PCGE Primary, MA Legal Science, MA Legislative Studies and Practice, MSc Dating and Chronology, and MA International Relations.

Further Study

Further study is also an option; information on Master's programmes and research topics is available from the School website.

Expert History staff offer students a variety of exciting modules with a wide chronological and geographical focus that ensure the development of transferable skills. The History programme also allows students opportunities to engage with industry partners, to carry out public-facing or industry-related work, and to study and travel abroad.



Entrance requirements

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

Course information

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Philosophy and Politics
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T: +44 (0)28 90907 1297
www.qub.ac.uk/happ

H HISTORY AND INTERNATIONAL STUDIES

The Joint Honours Programme in History and International Studies provides students with an intellectual training in disciplines that are complementary and mutually enriching. The programme enables students to appreciate how historical events shape modern issues and how such themes are to be understood and explained through insights into political analysis (eg political theory, political institutions, international relations). It offers students the opportunity to analyse country-based developments across the globe and pays specific attention to the histories and politics of Africa, Europe and America.

Course Content

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

HISTORY

Year 1

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

Year 2

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

Examples include:

- 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

Year 3

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

Examples include:

- 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.

INTERNATIONAL STUDIES

Year 1

Students are introduced to the study of politics, political ideology, comparative politics, the state of world politics, international history and contemporary Europe.

BA Joint Honours
History and International Studies 3 yrs (LV21)

See also History

Entrance Requirements

A-level:
ABB

All applicants:
There are no specific subject requirements to study History and International Studies.

For students whose first language is not English

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



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.

Dissertation

In their final year, students can opt to write a dissertation based on a research topic of their choice and under one-to-one supervision by an academic with specialist knowledge in the chosen field.

Why Queen's?

Alumni

Various serving politicians have studied in the School, including Ian Paisley Jr (MP), the Green Party Leader, Stephen Agnew, and ministers in the Northern Ireland Executive.

Global Opportunities

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.

Industry Links

Internships have been developed to allow students the opportunity to carry out work experience in history-related fields. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

Top Ranking

History at Queen's has been placed in the QS World University Rankings top 150 History departments in the world for 2016.

Student Experience

Our uniquely supportive pastoral care/personal tutor system is equalled only by the academic guidance available. Our vibrant Politics Society (Polysoc) and History provides a welcome and stimulating environment for new students.

Careers/Further Study

Skills to Enhance Employability

Graduates from this degree at Queen's are well regarded by local, national and

international employers and over half of all graduate jobs are now open to graduates of any discipline, including History and International Studies.

Close Links with Employers

The School offers a range of employment placements where students can gain real world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

Further Study

Further study is also an option; information on Master's programmes and research topics is available from the School website.

Entrance requirements

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

Course information

Dr Sparky Booker
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T: +44 (0)28 9097 3880
www.qub.ac.uk/happ

H HISTORY AND POLITICS

This programme provides students with an intellectual training in the mutually enriching disciplines of History and Politics. A key premise of the programme is that understanding the present and anticipating the future requires the ability to study and interpret the past and to appreciate how the insights of political theory and the tools of historical inquiry combine to illuminate political developments, including those in the contemporary world.

Course Content

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

HISTORY

Year 1

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

Year 2

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

Examples include:

- 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

Year 3

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

Examples include:

- 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.

POLITICS

Year 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 Major (eight modules), Joint (six modules), or Minor (four modules) component along with another subject. Students select from the following list:

Year 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

BA Joint Honours

History and Politics 3 yrs (VL12)

See also Anthropology and History, History, History and International Studies, International Politics and Conflict Studies, Politics, Philosophy and Economics (PPE)

Entrance Requirements

A-level:

ABB

All applicants:

There are no specific subject requirements to study History and Politics.

For students whose first language is not English

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



"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,
Cambridgeshire, England
2nd Year, BA Single Honours History

Year 3

- Arms Control
- Asylum and Migration in Global Politics
- Contemporary Critical Theory
- Contemporary Political Philosophy
- Ethics, Power and International Politics
- Global Resource Politics
- Middle Eastern Politics
- 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

Why Queen's?

Global Opportunities

Study Abroad: students have study opportunities in other European universities through our Erasmus programme, and also in the USA and Canada.

Industry Links

Internships have been developed to allow students the opportunity to carry out work experience in history-related fields. Students in their final year have an opportunity to go on a placement with a local organisation to gain direct experience of policy-making and political decision-making.

Top Ranking

Both History and Politics at Queen's have been placed in the QS World University Rankings top 150 departments in the world for these subjects in 2016.

Student Experience

Our uniquely supportive pastoral care/personal tutor system is equalled only

by the academic guidance available. Our vibrant Politics Society (Polysoc) and History provides a welcome and stimulating environment for new students.

Careers/Further Study

Skills to Enhance Employability

Studying for a degree in History and Politics at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by employers and over half of all graduate jobs are now open to graduates of any discipline, including History and Politics.

Close Links with Employers

The School offers a range of employment placements where students can gain real world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

Further Study

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes, each of which can be taken either full-time (one year) or part-time (two years).

There are also opportunities to do an MPhil or PhD by thesis; see the School website for information.

Entrance requirements

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

Course information

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Philosophy and Politics
E: s.booker@qub.ac.uk
T: +44 (0)28 9097 3880
www.qub.ac.uk/happ

HUMAN BIOLOGY

Human Biology is the integrated study of human anatomy and physiology, including the study of the body in health and disease. It covers a wide range of topics, ranging from genetics, microbiology and immunology to the core disciplines of anatomy, microanatomy and physiology.

The degree is designed to allow a greater degree of flexibility in the choice of modules, in comparison to the closely related degree in Biomedical Sciences. Specialist subject areas which can be studied in detail include Pharmacology, Topographical Anatomy, Exercise and Applied Physiology, Developmental Studies, Embryology, Neuroscience and Science Communication. Within these subject areas we provide a wide and innovative range of learning experiences, such as the use of ultrasound imaging in cardiovascular physiology and exposure to cadaveric dissection.

Course Content

The Human Biology degree at Queen's is underpinned by the core disciplines of Anatomy, Microanatomy and Physiology (the study of the function of the human body). In addition, it provides a solid foundation in Mammalian Biochemistry, Genetics, Molecular Biology, and Microbiology.

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, Micro-anatomy 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.

Why Queen's?

Global Opportunities

The School has links with two universities in the USA – the University of Nevada in Reno and the University of Vermont, where several students have the opportunity to complete a one-year work placement programme.

World-class Facilities

The School has excellent research facilities as well as strong links with clinical departments, including a human dissection lab to aid teaching on this course.

Internationally Renowned Experts

Our academic staff combine enthusiastic teaching with world-class research in the Biomedical Sciences.

BSc Honours
Human Biology 3 yrs (B100)

See also Biomedical Science

Entrance Requirements

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

Student Experience

The School continues to score high in the National Student Survey, with students scoring the School highly for student experience.

Prizes and Awards

Up to 12 prizes are available as an added incentive to our students from 1st to 3rd year, awarded for top performances in individual modules the overall degree performances. This includes prizes awarded from the professional bodies (Physiological Society, Pharmacological Society).

Careers/Further Study

This degree programme is aimed at students seeking a broad-based knowledge of Human Biology with career opportunities in the medical and pharmaceutical industries, teaching, scientific publishing or the scientific Civil Service. Many students go into further study after their degree, completing Master's and PhDs and a significant proportion of graduates gain entry to a Medical degree both here and abroad.

Placement Links

Our students may apply for one-year USA research laboratory internships, during which the students live and work within an active research laboratory, usually in the University of Reno or

University of Vermont. Some students have been offered a PhD place in the US on completion of their degree.

A number of summer studentships within our Research Centres are competitively available, providing valuable research/laboratory experience.

Graduate Careers

Recent and frequent employment opportunities have been taken by our graduates in Life Science/Pharmaceutical/Biotechnology industries in a wide range of roles, including Laboratory Technician, Scientific Officer, Sales and Marketing, and Clinical Trials Supervision, in leading local, national and international industries, including Norbrook, Almac and Galen.

Employment Links

A limited number of summer internships are currently available with Radox Laboratories, appointed via competitive application.

Further Study

Many of our students go on to further study, predominantly within Queen's or in other universities in the UK or abroad.

Graduates have gone into areas such as Medicine, Dentistry, Computational Biology, Teaching, and PhDs in various research areas.

Queen's has a human dissection lab which gives students the opportunity to gain valuable experience and understanding of human anatomy to support their learning. Exposure to cadaveric dissection provides students with practical and innovative learning experiences.

"I couldn't recommend the Human Biology course more strongly. With a comprehensive support network in place, students have the opportunity to reach their full potential and are equipped for challenges in their academic career and beyond."

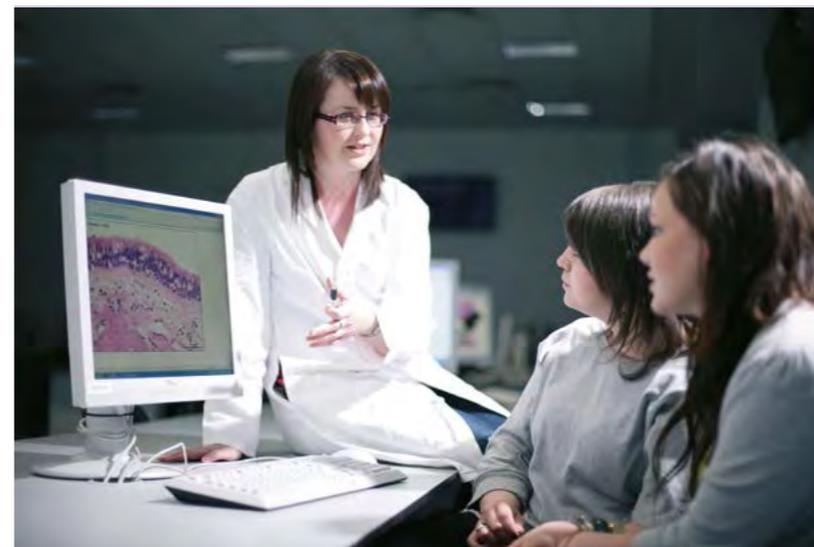
Helen Monaghan
Carryduff,
Northern Ireland
2nd Year, BSc Human Biology

Entrance requirements

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

Course information

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Centre for Biomedical Sciences
Education
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www.qub.ac.uk/mdbs



INTERNATIONAL BUSINESS WITH A LANGUAGE

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.

Course Content

This four-year BSc Honours degree in International Business with a Language is delivered by Queen's Management School (Major) and the School of Arts, English and Languages (Minor).

Currently five language options are offered:

- French (Intermediate and Advanced)
- German (Advanced)
- Mandarin Chinese (Beginners)
- Portuguese (Beginners)
- Spanish (Beginners, Intermediate and Advanced)

In each of years one, two and four, students complete a range of management-related modules and a year-long language module. In year three, students undertake a minimum of nine months work placement in France, Spain, Portugal, Germany or China, as appropriate.

Stage 1

Students take a range of compulsory Management focused modules and a year-long language module. These modules set the context and foundation for the remainder of the degree. The focus will be on organisations, their structures, behaviours and the changing external environment within which they operate.

Modules will cover accounting, economics, marketing principles and organisational behaviour.

Stage 2

Students again take a year-long language module alongside their management modules which in this year cover issues such as international business, decision-making through effective data analysis and interpretation and managing resources (eg operations and human).

Stage 3

Placement year

Stage 4

The final year of the programme sees the students complete a year-long language module. Additionally, students will take 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.

Why Queen's?

Placement

Year 3 is spent abroad on a compulsory international work placement in a region of the globe where the language being studied is the dominant tongue. This is an integral part of the degree, providing students with the fluency and confidence to communicate and work effectively in an international business environment.

Industry Links

Students have the opportunity to hear from industry professionals who regularly deliver guest lectures. The opportunity to network afterwards can give students

BSc Honours

International Business with French
4 yrs (N1R1)

International Business with German
4 yrs (N2R2)

International Business with Mandarin
Chinese 4 yrs (N1R9)

International Business with Portuguese
4 yrs (N2R5)

International Business with Spanish
4 yrs (N1R4)

Entrance Requirements

A-level:

ABB + GCSE Mathematics grade B

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

• **For German option:** normally A-level German grade B or AS-level German grade B

• **For Mandarin option:** evidence of linguistic ability

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

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

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

For students whose first language is not English

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

valuable connections with senior professionals working in management.

Innovative Teaching Methods

Students will experience a variety of teaching methods including brain-storming, individual and paired reflection, discussion exercises, presentation, case studies, group work and practical workshops. A range of e-learning experiences are also embedded in the degree programme through the use of, for example, interactive support materials, podcasts and web-based learning activities.

Careers/Further Study

Those pursuing a career in International Business with a Language should enjoy working with people as they will have to generate information from a wide variety of sources as they attempt to improve the business (entering new global markets or developing new products or becoming more competitive internationally etc) or solve a specific management related issue. They should be effective communicators as they will be expected to engage with a range of stakeholders including senior management, consumers and consumer groups, government representatives and policy makers, as well as employees



and peers. Further, graduates need to have an appreciation of the potential differences in national cultures and their impact on the business environment.

Students interested in pursuing a career in International Business with a Language must be prepared to take on challenges and be able to adapt to a constantly changing and dynamic business environment. To assist this, core transferable skills acquired throughout the degree programme include the ability to learn independently, problem solve, understand management and related information and work productively as part of a team as well as developing competence in a second language.

Graduate Careers and Achievements

A degree in International Business with a Language from Queen's offers a firm base securing an excellent graduate position or further academic study. Career options are extremely varied and the employment opportunities for our International Business with a Language graduates remain strong. The first cohort of graduates from this programme completed their studies in July 2012 and have secured a range of positions in local, national and multinational organisations. Recent placement providers

"I enjoy the balance of studying a language, while incorporating it with a commercial outlook. In September 2014, I will be starting my placement in Paris, working in sales and marketing. There's a really interesting mix of modules, and excellent staff guidance. I was also selected for the Brussels Study Tour which involved exploring career options in Europe. The school really encourages students to engage in brilliant opportunities and network in the business world."

Emma Millar
BSc International Business with French

include Citi, Paris; Millward Brown, Paris; KPMG, Luxembourg; Alcatel-Lucent, Paris.

Students from this programme have secured either graduate positions or have undertaken placements in advertising, human resources, recruitment, training and development, marketing, export marketing, new product development, market research, brand management, operations management, supply chain management, quality management, business development, accounting, finance, management consultancy.

Further Study

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

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

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.

Entrance requirements

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

Course information

Dr Stephanie Graham,
Programme Director for BSc
International Business with a
Language
Queen's Management School
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www.qub.ac.uk/mgt

INTERNATIONAL POLITICS AND CONFLICT STUDIES

The International Politics and Conflict Studies degree at Queen's is about more than just armed conflict and insurgency. It also examines such trends as globalisation and considers the challenge from the rise of Brazil, Russia, India, China and South Africa, the process of European integration, humanitarian issues (such as poverty, development and refugees), and the role of the media in conflict.

Course Content

Year 1

Students are introduced to the study of politics, political ideology, comparative politics, the state of world politics, international history and contemporary Europe.

Year 2

In their second year, students focus on the political, economic and social transformations of the 20th century and beyond, and will be able to advance their conceptual understanding of the field of international relations and conflict by studying modules such as:

- American Politics
- Deeply Divided Societies
- International Organisations
- International Relations
- Politics and Policies of the EU
- Security and Terrorism

Year 3

In the final year, students can select more specific areas and specialist-based modules on, for example, the Middle East, US foreign policy, migration, the Far Right, political extremism, politics of the global economy, and modules on identity politics, international ethics, war and visual culture, conflict and conflict resolution.

Dissertations: in their final year, students can to write a dissertation based on a research topic of their choice and under one-to-one

supervision by an academic with specialist knowledge in the chosen field.

Why Queen's?

Internationally Renowned Experts

- The Head of School, Professor Yvonne Galligan, OBE, is an internationally recognised expert in the politics of gender. She was a member of an Independent Commission of Inquiry on The Consequences of Devolution for the UK House of Commons (the McKay Commission), in 2013.
- Professor Beverley Milton Edwards has advised various governments in her role as an expert on the Middle East, and is currently a Visiting Fellow at the Brookings Institution.
- Professor David Pinnemore is an expert on EU Treaty reform and EU enlargement, which led to his secondment as an adviser to the UK's Foreign and Commonwealth Office.

Student Experience

Our vibrant Politics Society (Polysoc) provides a welcome and stimulating environment for new students.

Diversity of Students

We have students from around the UK, Ireland, Europe and the wider world, ensuring a rich mix of students with different experiences and backgrounds.

BA Single Honours

International Politics and Conflict Studies
3 yrs (L253)

BA Joint Honours

French and International Studies 4 yrs (RLC2)
History and International Studies 3 yrs (LV21)
International Studies and Irish 3 yrs (LQF5)
International Studies and Politics 3 yrs (L290)
International Studies and Spanish 4 yrs (LRF4)

Note: for Joint Honours options the title of this degree is 'International Studies'

Entrance Requirements

A-level:
ABB

All applicants:

There are no specific subject requirements to study International Politics and Conflict Studies, however, if you plan to study International Studies as a Joint Honours degree you should refer to the subject requirements for the other course.

For students whose first language is not English

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

Careers/Further Study

Skills to Enhance Employability

Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including International Politics and Conflict Studies. Although the majority of our graduates are interested in pursuing careers in the public and voluntary/community sectors, significant numbers develop careers in the private sector, working in industries from management consultancy to law and journalism.

Close Links with Employers

We regularly consult and develop links with a large number of employers, including NI government departments and the North/South Ministerial Council, who provide sponsorship for our internships.

In addition, the School offers a range of employment placements where students can gain real world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

Further Study

Many students progress to further study and can choose from a wide range of Master's and research programmes; see the School website for further information.

Various serving politicians have studied in the School, including Ian Paisley Jr (MP), the Green Party Leader, Stephen Agnew, and ministers in the Northern Ireland Executive.



"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)

Entrance requirements

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

Course information

Dr Dan Bulley, Adviser of Studies
School of History, Anthropology,
Philosophy and Politics
E: d.bulley@qub.ac.uk
T: +44 (0)28 9097 3165
www.qub.ac.uk/happ

IRISH

Irish

The emphasis in this course is on the modern language and culture. A range of modules will provide you with a broad understanding of diverse aspects of Irish culture and society and include filmmaking, the short story, the novel, and modern poetry. The growth of Gaelic identity is also explored and insight into the country's wider heritage is developed through the study of mythology, folklore and Scottish Gaelic.

Course Content

(*) = compulsory modules

Level 1

- Gaeilge 1* (double module)
- The Irish Folk Tradition
- Celtic Mythology

Students choose their fifth and sixth modules from an agreed list.

Level 2

- Gaeilge 2* (double module)
- Scottish Gaelic Language
- Irish Poetic Tradition 1650-1850
- Skills in Irish Translation
- Irish Film Studies
- Irish Writing and the Short Story

Level 3

- Gaeilge 3* (double module)
- Modern Irish Poetry
- Language, Literature and Irish Identity
- Dissertation

Why Queen's?

Professional Exemptions

The BA Irish will exempt you from examinations for An Teastas Gaeilge do Mhúinteoirí Iarbhunscóile for teaching in the Republic of Ireland.

Global Opportunities

You will have a chance to spend up to a year studying business in the US or you can take a semester at another university in Europe.

We also welcome applications from students on the Erasmus and Study Abroad programmes.

Industry Links

We have former students in senior positions in most Irish language sectors and we maintain good links with media production companies, the translation sector and language promotion agencies.

World-class Facilities

Queen's has an excellent library for Irish materials and an outstanding collection of resources relating to Ireland.

Internationally Renowned Experts

Queen's has world-leading experts in the history of the Irish language and literature, Irish linguistics and Gaelic names. Queen's had the highest ranked research unit including Irish and Celtic languages in the most recent Research Excellence Framework (REF 2014).

Student Experience

Students receive intensive instruction in spoken and written Irish and the School supports a three-week summer school in the Donegal Gaeltacht each year.

Developing your Employment Skills

Queen's has strong links with a number of employers including the Department for Communities, the BBC, Irish Language Broadcast Fund and other media companies, and employers are routinely invited to address the Irish students.

Students can gain work experience in primary and secondary schools as well as local media companies, theatre and community groups.

BA Single Honours

Irish 3 yrs (Q504)

BA Joint Honours

Anthropology and Irish 3 yrs (QL56)
Archaeology and Irish 3 yrs (VQ45)
English and Irish 3 yrs (QQ53)
French and Irish 4 yrs (QR51)
History and Irish 3 yrs (QV51)
International Studies and Irish 3 yrs (LQF5)
Irish and Politics 3 yrs (QL52)
Irish and Spanish 4 yrs (QR54)

Entrance Requirements

A-level:

ABB including A-level Irish for Single and Joint Honours except Joint Honours with Anthropology for which the target is BBB including A-level Irish.

All applicants:

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

For students whose first language is not English

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

Prizes and Awards

- Foundation Scholarships: recognise outstanding achievement in Level 1
- Donohoe prize: awarded for the highest mark in the oral examination in Level 2
- Emrys Evans Book prize: awarded at Levels 1 and 2 for the best performance in the written language examination
- Students receive a certificate of distinction for first class performance in the Level 3 oral.

Careers/Further Study

Studying on this pathway will assist students in developing the core skills and employment-related experiences that are valued by employers, particularly in a world where critical thinking, cross-cultural awareness and communication skills are at a premium.

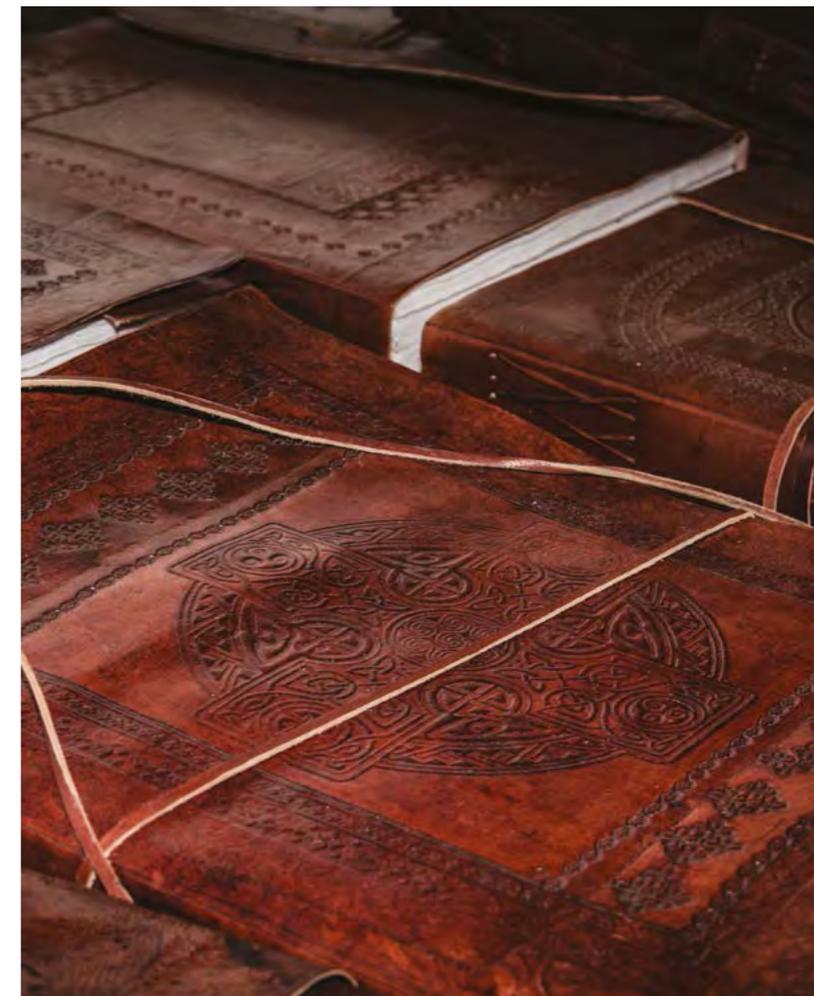
Typical Careers

Careers include teaching, language development, translating, management, TV presenting, production, writing, researching, business, management consultancy and software development.

Eighty-eight per cent of our graduates are in employment or further study within six months of graduation. Starting salaries may be in the region of £21,800.

Further Study

Graduates can continue to a Master of Research (MRes) programme as well as courses such as the MA Arts Management and MA Translation.



Queen's is the top ranked Irish programme in the Sunday Times Good University Guide 2016.

"The diverse course at Queen's gives a unique insight into the spirit of the language through its modules on all aspects of the culture. It is without a doubt everything I expected the course to be and more."

Keely Hastings, BA Irish Graduate (2017)

Entrance requirements

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

Course information

Professor Gregory Toner
School of Arts, English and Languages
E: g.toner@qub.ac.uk
T: +44 (0)28 9097 3695
www.qub.ac.uk/ael

Law looks at the relationships, interactions and transactions between individuals, government and state at a local, regional, national and international level. With a broad focus and application, the law degree encompasses private and public law alongside wider socio-legal perspectives. You will study key aspects of the law and develop a wide range of transferable skills, relevant to your future career trajectory. Our links with the professions, the wide range of additional opportunities within the School and the development of a highly nuanced skill set helps to create highly sought-after graduates.

Course Content

The degree offers students the opportunity to study the modules required for a Qualifying Law Degree (Legal Methods and Skills, Constitutional Law in Context, European Constitutional Law, Internal Market Law, Criminal Law, Rights and Accountability, Torts, Contract, Equity, Land Law, Contemporary Issues in Property Law, Evidence).

In addition, students are offered the opportunity to explore their interests in final year with modules offered that allow them to specialise in a particular area, or simply receive a more rounded sense of what 'law' is. Many of these modules consider law and law-like interactions on a local, national and international level.

Some of the modules that we have offered over the last number of years are below:*

- Contemporary Issues in the Law of Obligations
- Research Project A/B
- Environmental Law
- Public International Law
- Competition Law
- Roman Law
- Contemporary Issues in British and Irish Human Rights
- Employment Law
- Legal Theory
- Sport and the Law
- Reshaping the NI Constitution: The Transition from Conflict to Consensus
- Sentencing
- Intellectual Property Law
- International Trade Law

- Understanding Human Rights
- Company Law and Corporate Governance
- Globalisation, Development and the Security Sector
- Remedies in Private Law
- Climate Change Law
- Criminal Liability
- International Humanitarian Law
- Business and Human Rights
- Courts and Judicial Power
- International Criminal and Transitional Justice
- International Economic Law
- Law of the Home
- International Financial Law
- Global Business Law and Regulation
- Clinical Law

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

Why Queen's?

Accreditation

All of the undergraduate Law degrees offered at Queen's are recognised qualifying law degrees, which means that they are accredited by legal professional bodies in Northern Ireland, England and Wales and the Republic of Ireland. This means that the degree covers those subjects that are regarded as prerequisites for professional legal studies.

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

LLB Honours

Law 3 yrs (M100)
Law with Politics 3 yrs (M1L2)
(see page 214)
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

See separate entry

All applicants:

There are no specific subject requirements to study Law.

For students whose first language is not English

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

in Europe (OSCE), Council of Europe, and Thomson Reuters.

Global Opportunities

You will have the opportunity to take part in overseas exchanges with partner universities in Europe, North America and China.

World-class Facilities

The new £20m School at Queen's offers students access to world-class facilities such as a fully interactive Moot Court room, various seminar rooms and a wellbeing room.

Student Experience

Students can join a number of student-led initiatives within the School including the Law Society, the ADR society and the Street Law Project. Other initiatives include the Queen's Student Law Journal and the Mooting society.

Careers/Further Study

Although a large percentage of our graduates are interested in pursuing careers in Law, significant numbers develop careers in a wide range of other sectors.

Typical career destinations of graduates include:

- Trainee Solicitor
- Legal Professional
- Para Legal
- Legal Executive
- Legal Analyst
- Compliance Officer
- Trainee Accountant
- Financial Engineer
- Business Analyst
- Management Trainee
- Audit Associate

The following is a list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years:

- Management Consultancy: £20,000–£30,000
- Corporate Banking: £20,000
- Purchasing Officer: £21,000
- Fast Stream Civil Service: £24,500
- Publishing, Media and Performing Arts: Up to £25,000
- Export Marketing
- Advertising

- Finance
- Law Enforcement and Public Prosecution
- Varied graduate programmes (Times Top 100 UK Graduate Recruiters / AGR Association of Graduate Recruiters UK)

Employer Links – Consultations

Queen's School of Law has a long and well-established tradition of regular consultation with legal professional bodies, employers etc. This includes, for example, The Law Society of Northern Ireland, The Law Society of England and Wales, The Law Society of Ireland, the Institute of Professional Legal Studies and employers from significant legal and other professional firms or organisations (see examples below).

Placement Employers

Our past students have also gained work placements with organisations such as:

- The Council of the EU
- The European Commission
- The European Parliament
- The United Nations (UN)
- The Organisation for Security and Co-operation in Europe (OSCE)
- The Council of Europe
- Thomson Reuters

Graduate Employers include: A&L Goodbody; Allen & Overy; Baker and McKenzie; CitiGroup; Deloitte; EY; First Derivatives; PwC; Wilson Nesbitt; Herbert Smith Freehills.

Other Employer Links

Top international law firms, including the 'Magic Circle' law firms, ie Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaughter & May, and many more.

Further Study

Further study is also an option open to Law graduates. Students can choose to progress to a vocational course (Solicitor or Barrister course) or can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website.



Law at Queen's is ranked 9th in the UK in The Times and The Sunday Times Good University Guide 2017.

Entrance requirements

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

Course information

Dr Ciara Hackett,
Programme Director for LLB pathways
School of Law
E: c.hackett@qub.ac.uk
T: +44 (0)28 9097 3864
www.qub.ac.uk/law

LAW WITH POLITICS

As a Joint Honours programme, Law with Politics offers students the chance to study for a Qualifying Law Degree whilst also engaging with research in areas such as conflict, co-operation, power and decision making, the result being a highly nuanced degree option.

The close relationship with the regional political infrastructure in Northern Ireland creates a unique environment for students to engage with and respond to political as well as legal developments on a local, regional, national and international level.

Course Content

The degree offers students the opportunity to study the modules required for a Qualifying Law Degree (Legal Methods and Skills, Constitutional Law in Context, European Constitutional Law, Internal Market Law, Criminal Law, Rights and Accountability, Torts, Contract, Equity, Land Law, Contemporary Issues in Property Law, Evidence) alongside a number of Politics modules.

Stage 1

Core modules

- Perspectives on Politics
- Constitutional Law in Context
- Legal Methods and Skills
- Comparative Politics
- Rights and Accountability
- Criminal Law

Stage 2

Core modules

- European Constitutional Law
- Equity
- European Internal Market Law
- Land Law

Optional modules*

- Politics of Deeply Divided Societies
- International Relations
- Studying Politics
- Democracy, Ethics and Economics
- International Organisations
- Security & Terrorism
- Modern Political Thought

Stage 3

Core modules

- Contract

- Introduction to the Law of Torts
- Evidence
- Contemporary Issues in Property Law

Optional modules*

- Politics of Irish Literature
- Careers Committees & Whips: The Politics of Legislatures
- The Politics of Sustainable Development
- Middle Eastern Politics
- Contemporary Political Philosophy
- Arms Control
- Women and Politics
- Asylum and Migration in Global Politics
- Far Right in Western Europe and North America
- N Ireland: A case study in Ethno-National conflict & peace making
- Politics parties, representation and democracy
- Security & Technology
- Contemporary Critical Theory
- Scotland and N Ireland: Points of Political Comparison
- US Foreign Policy: War
- Ethics, Power and International Politics
- Minorities in Europe
- Politics, public administration and policy making

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

Why Queen's?

Accreditation

All of the undergraduate Law degrees offered at Queen's are recognised Qualifying Law Degrees, which means that they are accredited by legal professional bodies in Northern Ireland, England and Wales and the Republic of Ireland.

LLB Honours
Law with Politics 3 yrs (M1L2)

See also Law

Entrance Requirements

A-level:
AAA

All applicants:
There are no specific subject requirements to study Law with Politics.

For students whose first language is not English

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

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.

Industry Links

Those students more interested in politics orientated placements can avail of some of the opportunities within the Department of Justice, Equality Commission, Police Ombudsman's Office, BBC Northern Ireland and so on.

World-class Facilities

The new School of Law at Queen's offers students access to world-class facilities such as a fully interactive Moot Court room, various seminar rooms and a wellbeing room.

Internationally Renowned Experts

Law at Queen's is taught by world-leading experts in the area of Law including Human Rights, Criminology and Socio-Legal Studies. Our staff have close research links with the professions, government and Civil Society. Research in Law was ranked 15th in the UK in the most recent Research Assessment (REF 2014).

Student Experience

Students can join a number of student-led initiatives within the School including the Law Society, the ADR society and the Street Law Project. Other initiatives include the Queen's Student Law Journal and the Mooting society.

Careers/Further Study

Although a large percentage of our graduates are interested in pursuing careers in Law, significant numbers develop careers in a wide range of other sectors. The following is a list of the major career sectors (and some starting salaries) that have attracted our graduates in recent years:

- Management Consultancy: £20,000 – £30,000
- Corporate Banking: £20,000
- Purchasing Officer: £21,000
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- Publishing, Media and Performing Arts: up to £25,000

Typical career destinations of graduates include:

- Trainee Solicitor
- Legal Professional
- Para Legal
- Legal Executive
- Legal Analyst
- Compliance Officer
- Trainee Accountant
- Financial Engineer
- Business Analyst
- Management Trainee
- Audit Associate
- Marketing
- Journalism
- Civil Service
- Local Government
- Politics

Graduate Employers include A&L Goodbody, Allen & Overy, Baker and McKenzie, CitiGroup, Deloitte, EY, First Derivatives, PwC, Wilson Nesbitt, Herbert Smith Freehills.

Other Employer Links

Top international law firms, including the 'Magic Circle' law firms, ie Allen & Overy, Clifford Chance, Freshfields Bruckhaus Deringer, Linklaters, Slaughter & May, and many more.

Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures; for example:

- Lord (David) Trimble – Former First Minister of Northern Ireland, Nobel Peace Prize winner and Member of the House of Lords
- Right Honourable Sir Brian Kerr – Justice of the Supreme Court of UK and former Lord Chief Justice of Northern Ireland
- John Larkin QC – Attorney General for Northern Ireland
- Mary McAleese – Former Irish President
- Lord Eames – Former Anglican Archbishop of Armagh and Primate of All Ireland
- Anthony Watson, CBE, Bencher at Lincoln's Inn
- Zoe Salmon – Former Miss Northern Ireland and TV presenter
- Sonia Mac – Cool FM radio DJ
- Carolyn Stewart – U105 Presenter
- Wendy Austin – Radio and Television Broadcaster

Further Study

Further study is also an option open to Law graduates. Students can choose to progress to a vocational course (Solicitor or Barrister course) or can choose from a wide range of Master's programmes as well as a comprehensive list of research topics; see the School website.

Law at Queen's is ranked 9th in the UK in The Times and The Sunday Times Good University Guide 2017.



Entrance requirements

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

Course information

Dr Ciara Hackett,
Programme Director for LLB pathways
School of Law
E: c.hackett@qub.ac.uk
T: +44 (0)28 9097 3864
www.qub.ac.uk/law

M MARINE BIOLOGY

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.

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 have the opportunity to pursue an independent research project for their Honours thesis in their final year.

Course Content

Marine Biology provides a good fundamental training in data analysis, problem solving, teamwork and communication.

Stage 1

- Biodiversity Molecular Basis of Life
- The World of Microorganisms
- Biodiversity

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 1 or Cell Biology 2
- Ecology and Evolution
- Work Placement (16 weeks)

Year Out

(Professional Studies programmes only)

Students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies.

Stage 3

- Conservation Biology
- Future Oceans
- Global Change Biology
- Research Project
- Parasitology
- Research Project (BSc programmes only)

During their final year, students undertake a two-module research project carried out under the supervision of one or more members of academic staff. The project generally involves practical work carried out in the field and/or at the Marine Laboratory, in one of the many active areas of marine research in the School.

BSc Honours

Marine Biology 3 yrs (C160)
Marine Biology with Professional Studies
4-yr SW (C164)

MSci Honours

Marine Biology 4 yrs (C162)
Marine Biology with Professional Studies
5-yr SW (C165)

See also Biochemistry, Biological Science,
Microbiology and Zoology

Entrance Requirements

BSc

A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Double Award Applied Science + 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.

Option to Transfer: transfers between BSc and MSci may be possible at the end of Stage 2.

For students whose first language is not English

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

"The aspects of my degree I really enjoyed were the practicals, small class sizes, personal attention from teaching staff and lots of fieldwork."

Dawn Diamond.
Marine Biology graduate 2015

Stage 4

(MSci programmes only)

- Research Project

Why Queen's?

World-class 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.

Student Experience

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.

Professional Accreditations

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.

Many recent graduates have secured MSc and PhD positions at leading universities in the UK, Republic of Ireland and overseas whilst others work in secondary education or for conservation organisations and government environmental agencies. The experience that you gain from applying the scientific approach to living organisms, solving numerical and practical problems, developing written and oral communication skills and using a wide range of sophisticated equipment will also help you to find employment in a variety of non-biological careers.

Many employers are looking for graduates in any discipline, provided they show academic confidence, the ability to communicate, handle quantitative data and solve problems, and have good social skills, a wide range of interests and a record of success. We believe that studying Marine

Biology at Queen's will enable you to acquire and develop these qualities.

The most generally appropriate professional bodies for graduate marine biologists are the Marine Biological Association of the United Kingdom, the Fisheries Society of the British Isles and Society of Biology.

Further study is also an option open to Marine Biology graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics as shown on the University website.

Northern Ireland is 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. Excellent facilities for training and research are provided at Queen's 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.

Entrance requirements

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

Course information

The School Manager
School of Biological Sciences
E: Biosciences-ug@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

M MATHEMATICAL STUDIES

Mathematics is the universal language of science, and a beautiful subject in itself. Mathematics also has important applications in industry and commerce, and well-qualified mathematicians and statisticians are in great demand with a wide choice of careers, making mathematics an excellent choice as a degree subject.

Mathematical Studies at Queen's encompasses three subject areas:

- Applied Mathematics
- Pure Mathematics
- Statistics and Operational Research (SOR)

In each, the ideas that have been encountered at school are extended and new areas are introduced. It is important to appreciate that what may be understood as either pure or applied mathematics from school experience will differ from the University experience. For this reason, amongst others, mathematics students will study both pure and applied mathematics in the first year, with statistics being a likely third component.

Queen's offers several different degree programmes involving mathematics, and two types of degree within these programmes – the three-year BSc and the four-year MSci.

BSc

Mathematics

This degree offers the greatest flexibility and choice among the three subject areas, as well as the opportunity to transfer to more specialised pathways at a later stage.

Mathematics and Computer Science

This is a joint degree which combines these two subject areas.

Mathematics and Statistics and Operational Research

This degree contains more emphasis on statistics and operational research.

Mathematics with Extended Studies in Europe

This degree is designed for students with an interest in French or Spanish. After

two years at Queen's, students spend one year abroad studying mathematics in their chosen language before returning to Queen's for their final year.

Mathematics with Finance

Compared with other mathematics degrees that allow a wide choice of modules, this degree is much more focused and provides students with a particular set of mathematical skills that are ideal for work in the financial services technology sector, as well as in software engineering.

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.

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)

Entrance Requirements

BSc options

A-level:

ABB including Mathematics grade A

*For degrees marked with an asterisk this must include A-level Physics grade B or better.

BSc Mathematics with Extended Studies in Europe

A-level:

ABB including Mathematics grade A.

For French option: A-level French grade B.

For Spanish option: A-level Spanish grade B.

BSc Mathematics with Finance

A-level:

A* (Mathematics) BB

OR

AAB including Mathematics grade A.

MSci options

A-level:

AAA including Mathematics

OR

A* (Mathematics) AB.

*For degrees marked with an asterisk this must include A-level Physics.

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)

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

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.

Course Content

The mathematics programmes at Queen's offer students the opportunity to tailor their

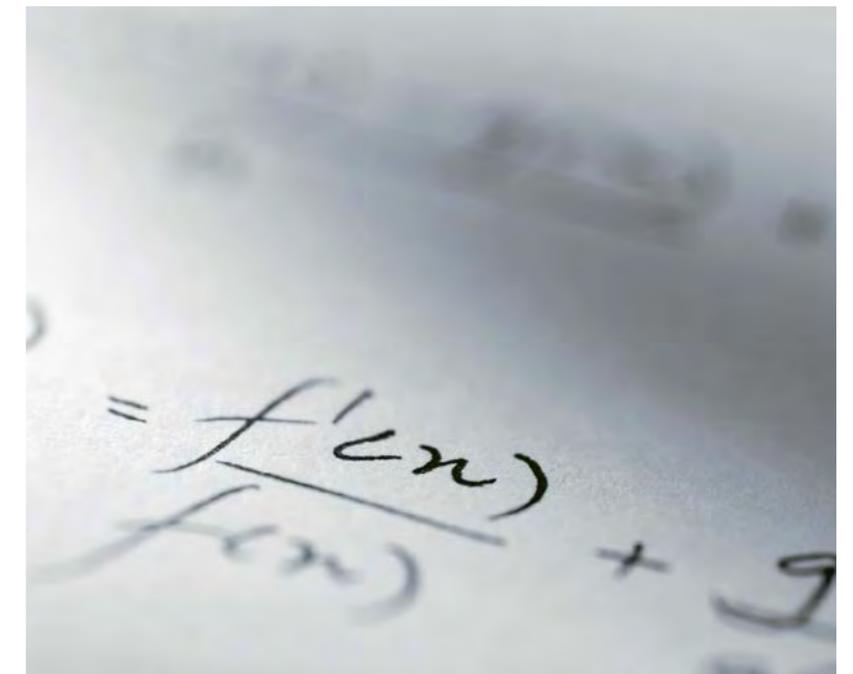
studies to their mathematical interests. We offer a range of modules across the main areas of mathematics: pure mathematics; applied mathematics; and statistics and operational research.

Pure Mathematics provides the essential tools used in the increasingly numerate science of today, and is continually developing new ones to solve problems at the forefront of research in many disciplines.

Applied Mathematics is concerned with the application of Mathematics to the study of the physical universe, including theoretical physics, as well as the social, industrial and commercial world.

Statistics is concerned with deriving sound inferences from data. This may be experimental or observational and obtained from investigations of physical or biological phenomena or from the study of the workings of industry, commerce and society.

In all areas, computers are used to obtain accurate numerical solutions to the mathematical problems involved.



MATHEMATICAL STUDIES

The first year, and a sizeable fraction of the second year, of the studies is devoted to core mathematics knowledge. During the second, third and (for MSci students) fourth year, students can choose from a wide range of optional modules. BSc students will carry out an investigation in their third year to gain insight into the practical application of mathematics within a particular context. MSci students will carry out an extended investigation in their fourth year to gain experience of mathematics at the forefront of research.

Level 1

In the first year of study, most students choose to take the six modules on offer within mathematics:

- Calculus and Analysis
- Numbers, Vectors and Matrices
- Introduction to Statistics and Operational Research
- Mathematical Modelling
- Mathematical Reasoning
- Methods of Statistics and Operational Research

Students on Joint pathways (Physics/Computer Science/Finance) will combine a specific selection of these modules with modules taken from the respective department.

The modules at Level 1 lay the foundation for the future study of mathematics, and, through the Mathematical Modelling and Reasoning modules, and the SOR methods module, will also provide insight into how mathematical methods and thinking relate to real problems.

Level 2

Level 2 completes the mathematical foundations with three core modules for most mathematics students:

- Linear Algebra and Complex Analysis
- Introduction to Partial Differential Equations
- Analysis

Students can take three optional modules from the following list to start the personalisation of their mathematics study:

- Classical Mechanics
- Elementary Number Theory
- Fluid Mechanics
- Graph Theory
- Group Theory
- Linear Models
- Methods of Operational Research
- Numerical Analysis
- Statistical Inference

Students on joint pathways will take at least two modules outside mathematics, and the Analysis module is not compulsory.

Level 3

At this level, the BSc and MSci pathways separate. BSc students take a project module and at least one other module that assists with the development of skills relevant to their chosen programme. For mathematics students, this module is Computer Algebra. MSci students take on an investigations module, which develops the research skills needed for the extended Level 4 investigation. In addition, students have the opportunity to develop their understanding of a wide range of mathematical topics, ranging from data mining and financial mathematics to quantum mechanics and algebraic equations.

Module topics include:

- Algebraic Equations
- Calculus of Variations and Hamiltonian Mechanics
- Computer Algebra
- Electromagnetic Theory
- Elementary Number Theory
- Financial Mathematics
- Graph Theory
- Investigations (in Pure or Applied Mathematics)
- Linear and Dynamic Programming
- Mathematical Modelling in Biology and Medicine

- Metric and Normed Spaces
- Partial Differential Equations
- Quantum Theory
- Ring Theory
- Set Theory
- Statistical Data Mining
- Stochastic Processes
- Tensor Field Theory

Students on the Joint programmes with Physics and Computer Science will take a selection of modules from both Mathematics and the Joint programme. Mathematics with Finance students will take a selection of modules of relevance to finance from the list above and several modules specially tailored to employment in the financial sector.

Level 4

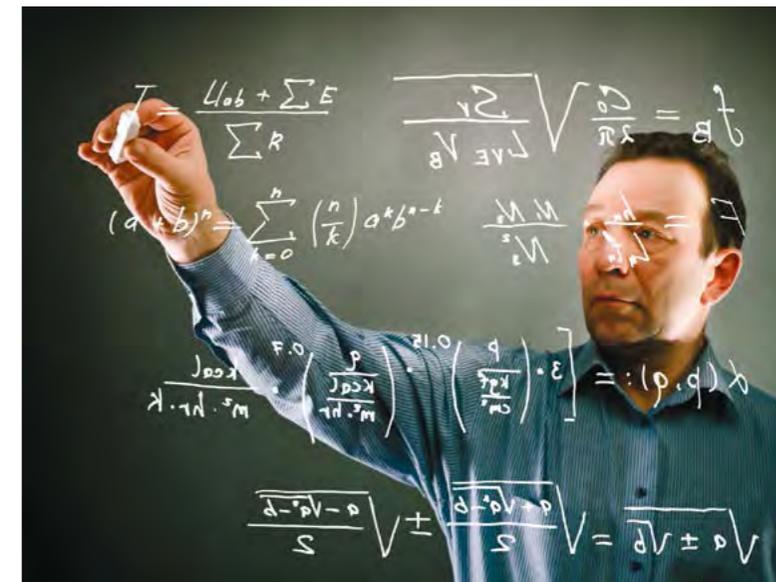
The Level 4 modules open to MSci students offer the opportunity to study a selection of topics in greater depth than is possible in the BSc programme. The centrepiece of the fourth year is the double-weighted investigations module, in which a student has the opportunity to study an aspect of mathematics close to the frontier of knowledge.

Modules include:

- Advanced Mathematical Methods
- Advanced Quantum Theory
- Algebraic Equations
- Algebraic Topology
- Applied Mathematics Project
- Functional Analysis
- Information Theory
- Integration Theory
- Mathematical Methods for Quantum Information
- Practical Methods for Partial Differential Equations
- Pure Mathematics Project
- Rings and Modules
- Statistical Mechanics
- Survival Analysis
- Topology

"I am a very logical person, and being able to find a solution to a problem is important to me. Mathematics is this type of subject. Studying mathematics teaches you vital skills such as critical thinking and problem solving, and these skills are really sought after by employers. If I were to do it again, I would study the same degree without doubt!"

Pádraic Sheerin,
Northern Ireland,
Vice President of Data Science
(Prudential/Pramerica)
BSc Mathematics and Statistics and
Operational Research Graduate (2008)



"A maths degree opens up so many career opportunities; the analytical, logical and problem-solving skills developed throughout the degree are exactly what employers are looking for."

Roisin Mackle,
BSc Mathematics and Statistics and Operational Research Graduate (2012)
Business Operations Analyst, Euroclear

Why Queen's?

Choice and Flexibility: the combination of expertise in Applied Mathematics, Pure Mathematics, and Statistics and Operational Research, enables the School of Mathematics and Physics to deliver a wide range of degree programmes offering the opportunity to take a Mathematics degree and specialise in pure or applied mathematics, or put more emphasis on statistics and operational research. The combination with expertise in physics within the School allows students to choose fully integrated Joint degrees with physics which place more emphasis on either experimental or theoretical aspects of the subject.

An exciting development is the **new School Teaching Centre for Mathematics and Physics**, which opened in September 2016, providing a home for undergraduate students within the School.

Careers/Further Study

Studying for a Mathematics degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by local, national and international employers and over half of all graduate jobs are now open to graduates of any discipline, including Mathematics. Although many of our graduates pursue careers in teaching, banking and finance, a significant number develop careers in a wide range of other sectors including management consultancy, export marketing and fast-stream Civil Service. There is also a wide variety of postgraduate studies available to Mathematics graduates; see the School website for further information.

"At Queen's there is a large choice of modules available, so you are able to customise your degree path to what you want to study. The lecturers in the department are extremely kind and helpful, and always give their best in trying to help you if you have a problem, regardless of the nature of it."

Matthew Young,
Carrickfergus, Northern Ireland
MSci Mathematics Graduate (2012), PhD
student at Queen's

Entrance requirements

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

Course information

Mathematics Admissions
Co-ordinator
School of Mathematics and
Physics

E: mpts@qub.ac.uk
T: +44 (0)28 9097 1900
www.qub.ac.uk/mp

MECHANICAL ENGINEERING

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.

Course 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 and a dedicated laboratory programme.

Stage 2

Stage 2 builds on the knowledge gained in Stage 1 with a series of more advanced engineering science subjects including dynamics, thermodynamics and fluid mechanics, and mechanics of materials.

Mathematics and computing focuses 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. BEng students who perform well during Stages 1 and 2 may be invited to transfer to the MEng at the end of Stage 2.

Stage 3

Optional modules in the areas of energy, materials, manufacturing and computer-aided engineering in Stage 3 give students the opportunity to tailor courses and projects to their particular interests.

BEng students take core modules in engineering science and professional studies along with their chosen optional modules. They also complete a major individual project, which puts their engineering skills into practice in solving a technological problem.

MEng students expand their engineering knowledge through a range of core modules in engineering science and professional studies, along with their chosen optional modules. They also undertake a major group design project, working within teams to conceive, design, build and test an engineering product, enhancing mechanical design and engineering skills and developing professional, presentational and team-working skills.

Stage 4

MEng students extend their knowledge of engineering applications through further optional modules in advanced core skills and in professional studies. The other major focus is the individual project, where students also apply their engineering skills to an area of cutting-edge technology.

BEng Honours

Mechanical Engineering 3 yrs (H300)
Mechanical Engineering with a Year in Industry 4-yr SW (H304)

MEng Honours

Mechanical Engineering 4 yrs (H303)
Mechanical Engineering with a Year in Industry 5-yr SW (H305)

See also Aerospace Engineering and Product Design Engineering

Entrance Requirements

BEng

A-level:

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

BTEC Extended Diploma:

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

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

Higher National Diploma:

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

MEng

A-level:

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

BTEC Extended Diploma:

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

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

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

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

For students whose first language is not English

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

These projects are closely associated with industry and with the School's current research interests.

Why Queen's?

Accreditation: these BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

Placement/Study Abroad: past students have gained work placements with organisations such as Airbus UK, Cummins Turbo Technologies, Lockheed Martin, Mercedes Benz High Performance Engines, Nacco Materials Handling Ltd, and Red Bull Technology Ltd.

Students also have the opportunity to work or study outside the UK through programmes such as IAESTE, Erasmus, Study Abroad and Study USA. In recent years, students have undertaken placements in companies in Argentina, Brazil, Canada, Finland, France, Japan, Malaysia and the USA.

Industry Links: the School has strong links with both local and international engineering employers, and has longstanding relationships with companies such as Bombardier, Caterpillar, ExxonMobil, Ford, Jaguar Land Rover, Lotus, McLaren F1, Michelin and Rolls Royce.

Careers/Further Study

The versatility of Mechanical Engineering graduates makes them well suited for a wide range of 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.

We put emphasis on hands-on, project-based learning and invest heavily in our state-of-the-art facilities and flexible project spaces to support this activity.



Entrance requirements

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

Course information

The Director of Education
School of Mechanical and
Aerospace Engineering
E: mech.aero@qub.ac.uk
T: +44 (0)28 9097 4117
www.qub.ac.uk/mechaero

M MECHANICAL ENGINEERING (FD)

Mechanical Engineering (FD)

The majority of man-made products are mechanical or have mechanical parts, and mechanical engineers are to be found working in virtually every type of industry, on products as diverse as racing cars, jet engines, cruise ships, farm machinery, sports equipment and domestic appliances. Mechanical engineers therefore have very wide career opportunities and are employed because of their scientific knowledge, design expertise, problem-solving skills and business awareness.

The Foundation degree (FdEng) in Mechanical Engineering is a two-year degree offered by Belfast Metropolitan College in collaboration with Queen's University Belfast.

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.

Course Content

This Foundation degree, which takes two years to complete, starts with a comprehensive introduction to the discipline and a grounding in the mathematical skills needed by graduate engineers.

Scientific topics on which modern engineering is based are also covered, and there is an emphasis on both engineering practice and its real-world application. Design plays a prominent part in the degree, and students are taught how to interpret technical drawings and how to use professional CAD facilities.

A significant part of the curriculum is delivered through active learning, where students work on assignments and projects, both individually and in teams, and this is supported by the College's excellent workshops and laboratories.

In addition, students will undertake a period of relevant industrial work placement, which will assist in developing a sound understanding of the practical applications of some of the theoretical content. This forms a significant portion of the assessment and will be completed in the first semester of Year 2.

Why Queen's?

Progression: the Foundation degree is designed to provide access to Queen's University for students who would not otherwise have the opportunity to enrol on the BEng Honours degree, and places are available to applicants with a wide range of qualifications.

Access to University Facilities: while Belfast Metropolitan College is responsible for delivering the degree, Foundation students are enrolled as students in both the College

FdEng (Foundation Degree)
Mechanical Engineering 2 yrs (H302)

Based at Belfast Metropolitan College

Entrance Requirements

A-level:

CC including Mathematics and at least one of Physics (preferred), Biology, Chemistry, Further Mathematics or Technology and Design.

BTEC Extended Diploma:

A relevant discipline, with a Merit or above in at least half of the units taken (relevant units will be specified) and Passes in the remaining units, plus GCSE English Language and Mathematics at grade C or above.

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

For students whose first language is not English

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



M

Mechanical Engineering (FD)

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.

Entrance requirements

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

Course information

The Director of Education
School of Mechanical and
Aerospace Engineering
E: mech.aero@qub.ac.uk
T: +44 (0)28 9097 4117
www.qub.ac.uk/mechaero

Queen's is an exciting place to study medicine with our students experiencing clinical practice in a variety of hospitals, general practices and healthcare settings throughout Northern Ireland from first year onwards.

The School of Medicine, Dentistry and Biomedical Sciences has close bonds with the Northern Ireland community as part of its educational, research and outreach programmes. Our 'Patients as Partners' make a valuable contribution to the education of medical students, through their participation in the selection of medical students to the programme, teaching sessions, as well as assessments.

Course Content

Queen's medical degree is a five-year course with an initial systems-based approach. It is one of the few medical schools in the UK to teach students anatomy through cadaveric dissection and does so in an exciting new Dissection Suite.

Students are introduced to clinical work from the onset and by third year almost all teaching is in the clinical setting. Good communication and examination skills training is undertaken in the Clinical Skills Education Centre with our 'Patients as Partners' before students move to actual patient contact in the healthcare environment.

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 specialities 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.

MB BCH BAO

Medicine (Bachelor of) 5 yrs (A100)

Entrance Requirements

Interview:

All applicants will be ranked on cognitive performance, and a proportion selected for interview (Multi-mini interview). Interviews normally take place between January and March in Belfast for home and EU applicants. Staff from the Medical School visit South East Asia in late January/February to interview and international applicants from other countries are encouraged to travel to Belfast for interview, as they will benefit from a tour of the Medical School and the University.

UKCAT:

All applicants are required to sit the UK Clinical Aptitude Test (UKCAT) and the results achieved will be used as part of the selection process prior to interview.

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 Advanced Welsh Baccalaureate or a grade B in a 4th A-level will be acceptable in lieu of the 4th AS-level.

A maximum of either one Applied A-level or one Applied AS-level will be counted. Please also note that only one Mathematics subject will be counted at A-level (the other would be acceptable as the fourth AS-level). A-level Critical Thinking and 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 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 Applicants

There are 26 places available for International students. Applicants are not scored (as above) and in considering applications a range of factors is taken into account including previous academic performance, predicted results (if applicable), UKCAT score, evidence of English Language ability, the Personal Statement and Reference.

For information on international qualification equivalents (eg the International Baccalaureate Diploma, USA/Canadian High School Diplomas or Hong Kong Diploma in Secondary Education), please select your country in the International Students website.

For students whose first language is not English

An IELTS score of 7.5 overall, with a minimum of 7.0 in Speaking and Listening and 6.5 in Reading and Writing, or an equivalent acceptable qualification, details of which are available at: go.qub.ac.uk/EnglishLanguageReqs

All Applicants

- All students admitted to this degree will be required to complete a Hepatitis B vaccination programme at the Occupational Health Service of the University.
- Medicine welcomes applications from people with disabilities. All applications will be treated on an individual case basis to ensure that the applicant has the potential to fulfil the demands of professional fitness to practise. Disability will not be considered as part of the selection process, however, it is strongly advised that applicants disclose their disability on their UCAS form and contact the School to obtain further advice. Applicants may also be required to provide relevant information which will be treated in the strictest of confidence. It is important that the University has an understanding of your support requirements to implement reasonable adjustments.
- As a result of current legislative requirements any offer made will be conditional on a satisfactory criminal history check (Access NI Enhanced Disclosure Check). To enable the University to request this check you will be required to provide some personal information which will be treated in the strictest of confidence and in line with Data Protection Principles. The current cost of an Enhanced Disclosure Check is £33. At the time of printing changes are due to be implemented and relevant procedures and/or costs may change. Applicants will be advised of the relevant requirements at the appropriate time. For international students, a Certificate of Good Conduct or equivalent will be required in lieu of an Access NI check.
- The degree is subject to the University's regulations on Fitness to Practise.
- Applicants will be required to give permission for a check against the Excluded Student Database prior to offers being made. This is a national database which records those who have previously been excluded from professional programmes because of fitness to practise concerns.
- Selection criteria for Medicine are reviewed annually and therefore you should read the selection procedures which are available at go.qub.ac.uk/ugstudy, 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/

Please note for 2018 entry the deadline for applications to this degree is 6.00pm on 15 October 2017 and arrangements should be made to undertake UKCAT in advance of this.

"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
4th year Medicine student

Queen's is the only medical school in Northern Ireland and students are welcomed in all of the hospitals within the region and in approximately 150 general practices. Students benefit from the ease of access to high quality clinical teaching.

Why Queen's?

Professional Accreditation

The award of the MB BCH BAO degree means that you are eligible to apply for provisional registration with the General Medical Council.

Global Opportunities

Students undertake an Elective module at the start of Year 5. Many students take this opportunity to travel abroad to work in a different medical environment. Students often choose destinations in Australia, India, Canada, and several countries in Africa.

Additional Opportunities – Intercalation

Currently about 25 per cent of medical students decide to undertake an intercalated degree during their undergraduate training. Whilst some work towards a BSc (taking a year out of the medical programme between years 2 and 3), others, after completion of year 3 of the medical course, enrol on a taught Master's course. Those presently available within the School include the Master of Public Health (MPH), Master of Research in Translational Medicine, MSc in Bioinformatics and Computational Genomics, MSc in Clinical Anatomy and the MSc in Molecular Pathology of Cancer.



World-class Facilities

Medical students at Queen's have access to excellent teaching facilities and a dedicated medical library. Two of the city's teaching hospitals and several University Research Centres are located close to the University's Health Sciences Campus.

Internationally Renowned Experts

Many of our former graduates have risen to the top of their fields and include many famous figures – one particularly notable graduate of Queen's medical school was Professor Frank Pantridge, dubbed the 'father of emergency medicine' and inventor of the portable defibrillator.

Student Experience

Ninety-six per cent of students were happy with their teaching (National Student Survey, 2016). Many students are involved in the several medical based societies at Queen's, including BMSA, Scrubs, Medsin and SWOT. In addition, the University has over 200 clubs and societies run by students, offering the opportunity to medical students to develop their interests and explore new activities.

Careers/Further Study

At the end of the undergraduate course you will receive your MB BCH BAO degree,

which is a primary medical qualification (PMQ). Holding a PMQ entitles you to apply for provisional registration with the General Medical Council. Provisionally registered doctors can only practise in approved Foundation Year 1 posts: the law does not allow provisionally registered doctors to undertake any other type of work.

On successful completion of the first year of this training period you become a fully registered doctor; however, whichever branch of medicine you intend to pursue, you will be required to undertake further training. For example, to enter General Practice you will require a further three years' training. To become a hospital consultant you may require a further seven years of specialty training. Further information about postgraduate training is available from the General Medical Council website: 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.

Entrance requirements

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

Course information

The Centre for Medical Education,
School of Medicine, Dentistry and
Biomedical Sciences
Queen's University Belfast
E: medicaled@qub.ac.uk
T: +44 (0)28 9097 2450
www.qub.ac.uk/medicine



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.

Course Content

Microbiology provides fundamental training in data analysis, problem solving, teamwork and communication. Microbiologists can use these skills in a wide range of careers in research, medicine, industry, education, business and communications, or as a route to further study.

Stage 1

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

Stage 2

- Experimental Biochemistry
- Cell Biology 2
- Molecular Biology and Bioinformatics
- Microbes in Action
- Work Placement (16 weeks)

Year Out

(Professional Studies programmes only)

Students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies.

Stage 3

- Research Project (BSc programmes only)
- Industrial Microbiology
- Immunology and Virology
- Parasitology and Zoonoses
- Bacterial Genetics and Genetic Manipulation

Stage 4

(MSci programmes only)

- Research Project

Why Queen's?

Industry Links

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.

Student Experience

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

BSc Honours

Microbiology 3 yrs (C500)
Microbiology with Professional Studies 4-yr SW (C504)

MSci Honours

Microbiology 4 yrs (C502)
Microbiology with Professional Studies 5-yr SW (C505)

See also Biochemistry, Biological Science, Marine Biology and Zoology

Entrance Requirements

BSc

A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR
BBB including Double Award Applied Science + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR

ABB including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C.

MSci

A-level:

AAB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR
AAB including Double Award Applied Science + GCSE Biology grade C and Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C

OR

AAA including Biology + GCSE Chemistry grade B or GCSE Double Award Science grades BB + GCSE Mathematics grade C.

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

For students whose first language is not English

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

Professional Accreditations

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.

Careers/Further Study

Microbiology is an interdisciplinary subject with key links to the other Biological Sciences, Biochemistry, Chemistry, Environmental Engineering and Medicine. Graduates are qualified to take up both scientific and non-scientific careers. Many job opportunities are available in biomedical, industrial and government organisations, and in universities and colleges of higher education.

These jobs cover innovative research, the development of new products, advisory and consultancy work or teaching. All are aimed at improving the health, environment and economy of countries in both the developed and developing world. In particular, companies and organisations concerned with animal and plant health, food and beverage processing, water quality, environmental management, pharmaceutical products and biotechnology require graduates in Microbiology.

As there is currently a shortage of microbiologists, job opportunities exist across a number of areas including:

Healthcare: Microbiologists are essential in the fight against infectious diseases working in hospitals and Health Protection Laboratories. Here they diagnose infections, monitor treatments, develop vaccines, provide advice or track disease outbreaks.

Basic research: In order to either solve the problems caused by microorganisms or exploit their capabilities fundamental research on their biochemistry and genetics is required. Many microbiologists work in universities and research institutes

exploring the detailed workings of microbial cells.

Environment: One of the greatest challenges currently facing society is that of climate change and environmental protection. Microbiologists are key players in the development of waste treatment technologies, recycling processes, pollution warning systems and in the production of green energy.

Agriculture: Pest management is an essential component of modern agricultural practice. Microbiologists have key roles to play in the development of pest control systems and in the diagnosis and treatment of animal pathogens.

Business: Microbiologists work in many bioscience and food companies, carrying out research, developing new products or carrying out quality control of manufacturing processes to ensure the microbiological safety of goods such as medicines, cosmetics, food, drink etc.

Outside the lab: Many trained microbiologists never go on to work in the microbiology field; however, they can use their skills and knowledge to pursue careers in marketing, technical support, regulatory affairs, education, as patent attorneys, and in public relations, journalism and publishing.

The combination of courses within the Microbiology degree 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.

Employer Links

The School of Biological Sciences employs a dedicated careers adviser who has developed an extensive portfolio of employers, both nationally and internationally, within the science sector. Advice is also provided on CV preparation, interview techniques and securing summer work or longer placements. Students and graduates have secured placements and jobs with:

- Northern Ireland Water Ltd
- Environment Agency
- Forensic Service
- Moy Park
- Randox Laboratories

- Norbrook Laboratories Ltd
- The Almac Group
- Health Service

Further Study

Further study is also an option open to Microbiology graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics as shown on the School website.

Microbiology is of immense importance in relation to the environment, agriculture and food, biomedical sciences and biotechnology. This course at Queen's offers a unique opportunity for students to study Microbiology in the context of medicine, environmental protection and biotechnology. For those wishing to pursue a science career, the course will develop both their practical skills and knowledge base.

Entrance requirements

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

Course information

The School Manager
School of Biological Sciences
E: Biosciences-ug@qub.ac.uk
T: +44 (0)28 9097 5787
www.qub.ac.uk/bb

MIDWIFERY SCIENCES

This three-year degree programme integrates theory and practice, preparing students for an outstanding career in Midwifery. Students will spend 50 per cent of their time in class learning midwifery theory and clinical skills, and 50 per cent of their time with one of our internationally-recognised training partners in a wide variety of clinical and community settings.

Our highly-trained midwifery teaching staff are actively engaged in practice and our personal tutor system for student support is very well regarded.

There are also opportunities for elective placements with one of our international partners in the final year of study.

Course Content

Designed to meet the targets set by the Strategy for Maternity Care in Northern Ireland 2012-2018 and Transforming Your Care, this programme develops all the knowledge, skills and attributes central to practice: woman/family-centred; clinically effective; competent and safe; evidence-based; and established on caring and ethical principles. It provides students with direct contact with women, their babies and families in home, hospital and community settings under the supervision and guidance of lecturers and skilled midwives.

Modules are designed to develop the knowledge and skills that students will need to deal with normal midwifery practice and to co-ordinate the care of women experiencing more complex pregnancies.

Stage 1

- Health and Wellbeing
- Professional Midwifery Values
- Foundation in Midwifery Practice

Stage 2

- Special Care of the Newborn
- Evidence Based Midwifery
- Complex Childbearing
- Antenatal and Reproductive Health

Stage 3

- Integrated Midwifery Knowledge

- Public Health: National and International Perspectives in Maternity Care
- Managing and Leading for Midwifery Practice

Why Queen's?

Global Opportunities

Student exchange programmes enrich your ability to critically compare the diverse delivery of health care and practice from a more global perspective. As globalisation becomes increasingly important, the opportunity to study abroad, and experience another culture is a rewarding and meaningful experience. Students have the opportunity to apply for an international elective placement with the guidance and support from International co-ordinators in midwifery and each field of nursing.

Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' responses to the specific scenarios.

BSc Honours

Midwifery Sciences 3 yrs (B720)

See also Nursing

Entrance Requirements

This information is prepared in advance of the academic year to which it relates and the grades stated should be treated as a guide only and entrance requirements are reviewed annually.

Overall academic background will be taken into account when considering applications and additional academic criteria may have to be applied at shortlisting, depending on the volume of applications.

All applicants (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade B to include Mathematics and a Science subject (ie Biology/Human Biology, Chemistry, Physics, Double Award Science or Single Award Science). GCSE Applied Science is not acceptable in lieu of GCSE Science. A minimum of a grade C in GCSE English Language or an equivalent qualification acceptable to the University is also required.

Applicants offering Access/Foundation course qualifications must also have a grade B at GCSE in both Mathematics and a Science subject or an equivalent qualification acceptable to the University. Within an Access programme, 70% in NICATS Mathematics and in a Level 2/3 Biology or Chemistry or Physics module (minimum of 15% of the programme) would fulfil the 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:

Successful completion with 60 credits at Distinction and 120 credits at Merit in a relevant Science based course OR successful completion with 80 credits at Distinction and 100 credits at Merit in a non Science-based course.

Access/Foundation Course:

An average mark of 65% where at least half of the overall programme is in Biology/Human Biology or Chemistry or Physics OR an average mark of 70% is required for non-Science-based access courses.

BTEC Higher National Diploma:

Successful completion with a minimum of Merits in at least 12 of the 16 units and Passes in all other units.

BTEC Higher National Certificate:

Successful completion with a minimum of a Merit grade in each unit.

Scottish Highers:

BBBCC where a relevant Science subject is offered (see list under A-level requirements)

OR

BBBBC where a relevant Science subject is not offered.

All applicants must have a minimum of 5 Standards at grade 2 or a minimum of 5 Intermediates at grade B to include Mathematics and a Science subject. A minimum of a grade 3 in Standard English Language or a grade C in Intermediate English Language is also required.

Graduates:

Honours Degree (minimum third class); Ordinary Degree (minimum pass). Graduates must satisfy the GCSE Mathematics and Science requirements as above.

Open University Credits:

A minimum of 120 OU Credits.

Selection Process

• Applicants who satisfy the academic requirements or will be able to do so, prior to 31 August 2018 are shortlisted for interview on the basis of their Personal Statement on their UCAS application. This is scored against criteria set by the Northern Ireland Practice and Education Council for Nursing and Midwifery (NIPEC)

• Interviews normally take place in March and April and use the Multiple-mini Interview format to test value-based skills

• Offers are made on the basis of ranked interview scores and are subject to satisfactory Occupational Health Assessment and Criminal Record check(s), in addition to any academic requirements. More detail can be found on the School's website

For students whose first language is not English

An IELTS score of 7.0 with a minimum of 7.0 in each test component or an equivalent acceptable qualification, details of which are available at: go.qub.ac.uk/EnglishLanguageReqs



"My course is everything I expected and more; I love the clinical placement."

Niamh O'Neill,
Armagh, Northern Ireland
BSc Midwifery Sciences

Entrance requirements

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

Course information

Gail Anderson,
Lead Midwife Education
School of Nursing and Midwifery
E: nursing@qub.ac.uk
T: +44 (0)28 9097 2233
www.qub.ac.uk/nur

Skills Development

Midwifery students learn to be an integral part of a healthcare team. Within this School, multidisciplinary teams of medical students and midwifery students work together during interprofessional learning scenarios. In addition, Midwifery students participate in annual simulated emergency obstetric drills.

Accreditation

Professional registration with the Nursing and Midwifery Council (NMC 2010).

Careers/Further Study

Studying for a BSc (Hons) Midwifery Sciences degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by employers both nationally and internationally.

The majority of our graduates pursue a career in midwifery which offers a diverse range of post registration opportunities to specialise in areas such as: bereavement counselling; antenatal screening co-ordination; perinatal mental health; family planning and reproductive sexual health; ultra sound scanning; public health and health promotion; breastfeeding support; neonatology, and education and research.

Further study is also an option open to Midwifery graduates. For taught postgraduate programmes, students can follow the Master's in Advanced Professional Practice. Students can also choose from a comprehensive list of research topics to follow research degree programmes.

Queen's is the only university in Northern Ireland offering a degree in Midwifery. Students undertaking our programmes may be eligible to have their fees paid by the Department of Health (DoH), and to receive a bursary.

The BMus in Music is designed for students who wish to develop a deep understanding of music in the broadest sense whilst honing their specialist skills to professional standards. The degree includes studies in musicianship, harmony, music history and a range of associated skills that provide a well-rounded set of transferable skills such as problem-solving, communication and teamwork. This ensures that graduates in music are equally employable in graduate jobs as they are in musical careers.

Course Content

As a basis for specialisation in performance, composition and musicology, students take modules in music history, harmony and analysis.

Level 1 includes five core modules: Introduction to Music; Fundamental Harmony; Music in History; Composing Music and Musicianship. Students choose one optional module from topics including performance, ensemble performance, ethnomusicology, and a range of music technology modules.

Level 2 includes two core modules in analysis and critical writing skills, plus four optional modules chosen from performance, composition, improvisation, scoring and arranging, musicology (at least three modules offered), and a range of modules that focus on music technology.

At **Level 3**, students take at least one module in a music history special subject, plus a range of options that will include composition, dissertation, musicology, performance, work placement, composing for screen. (Up to two optional modules may be in another subject).

Why Queen's?

World-class Facilities

The Music Department at Queen's is one of the best equipped in the UK. Our music degrees are housed in two striking buildings: the elegant, historical Music building; and the world-leading Sonic Arts Research Centre (SARC). SARC contains the unique Sonic Lab, a concert hall with variable acoustics and facilities

for immersion in 360-degree sound. The Music building houses the Harty Room, a concert hall that is regularly used for public performances. The department also houses state-of-the-art recording studios (for both 'pop' and 'classical' music), plus studios for surround sound and post production. There are also a large number of practice rooms, including three acoustically isolated rooms, and three suites of iMac computers.

Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and music production.

Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

Student Experience

Northern Ireland has an exceptional track record for producing outstanding musical talent and has a unique identity within the global music industry. Belfast is the creative hub of the Northern Irish music industry and students on this programme will contribute to the vibrant musical life of both the University and the wider city.

BMus Honours

Music 3 yrs (W302)

See also Music and Audio Production, Music and Sound Design, Music Performance, and Audio Engineering

Entrance Requirements

A-level:

BBB including A-level Music.

Where A-level Music is not offered then A-level grades BBB plus Grade VIII Theory of Music (ABRSM, Trinity-Guildhall or LCM (not Popular Music Theory)) would be acceptable. AS-level Music is not acceptable in lieu of A-level Music.

Further information

If an applicant has successfully completed a Grade VIII Practical Music examination this may be taken into account in August when deciding borderline cases. Applicants should indicate in the 'education' section of the UCAS application if they have, or intend to complete, a Grade VIII Practical examination, specifying the instrument and the awarding body.

For students whose first language is not English

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

Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Oberlin College, Ohio, Capital University, Ohio and University of Groningen.

Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world employment experience. Some of the organisations our students have completed placements with include The Mac, Crescent Arts Centre, Belfast Music Society, Fleming Fulton Special Needs School, JAM (Junior Academy of Music), and a large number of local secondary and primary schools.

Careers/Further Study

The programme prepares students for a wide range of possible career paths and graduates in Music at Queen's have found success throughout the UK and internationally in both musical and non-musical careers including orchestral playing, opera singing, solo artist careers, performance, composition, teaching, media employment and arts administration. Others regularly move into a wide range of graduate employments such as accountancy, banking, publishing and marketing.

Further study, including Master's programmes, is also an option; see the School website for further information.

"I am in my final year studying Music at Queen's. To enhance my performance experience, I was awarded the Hamilton Harty Scholarship to study clarinet performance in Switzerland during the summer, which was an excellent opportunity. Within the department, there are a range of ensembles such as choirs and orchestra as well as more modern and improvisatory groups, collaborating with sonic arts students. The Music Department at Queen's is a great place to study, offering a wealth of opportunity and expertise from dedicated staff."

Gerard Mullaly
Third Year, BMus Music (2017)



"The teaching I have received here has been amazing. In particular, one-on-one attention to the individual student has been important. Contact with groups such as the Ulster Orchestra, Hard Rain Soloist Ensemble and the Royal String Quartet has proven to be beneficial to my music performance and composition and has pushed me to reach my goal of being a performer one day myself."

Hannah Murray
Third Year, BMus Music (2017)

Entrance requirements

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

Course information

Dr Simon Mawhinney,
Head of Music
School of Arts, English and Languages
E: s.mawhinney@qub.ac.uk
T: +44 (0)28 9097 5324
www.qub.ac.uk/ael

MUSIC AND AUDIO PRODUCTION

The programme is designed for musicians from a wide range of musical backgrounds interested in the production of musical content in both the recording studio and live performance environments. You will gain practical knowledge and experience of recording, editing, mixing and mastering music using professional studio facilities.

Working alongside leading music industry professionals you will gain additional sound engineering experience in a sound reinforcement context and develop musical practice in composition, general musicianship and (optionally) musical performance.

Course Content

At **Level 1** students develop their musical practice in the areas of composition, critical listening and improvisation in addition to gaining a thorough grounding in sound recording principles and practical experience of audio mixing and sound synthesis. Students also explore the range of musical practices ranging from mass market music to the 'classical' tradition and its contemporary proliferation.

At **Level 2** students develop recording and production skills working alongside their peers on the BA Music Performance programme. Students work together to create repertoire suitable for multitrack studio recording and this content is recorded, edited and mixed to broadcast standard. Optional modules are available in areas such as songwriting, sound design, sonic arts, radio production, instrument and installation design, performance or improvisation.

At **Level 3** students continue to develop sound recording and production skills focusing on stereo microphone techniques for recording acoustic ensembles. Students can opt to take modules in spatial audio mixing, designing musical interactions, sonic arts, composing for film and television, or undertake a work placement. The programme concludes with the completion

of a project focusing on an aspect of professional practice in audio production.

Why Queen's?

World-class Facilities

The School is one of the largest and best-equipped institutions in the UK working in the field of music and sound. Students on the BA in Music and Audio Production have access to state-of-the-art audio resources including two dedicated computer suites, 10 sound studios and the world's first Sonic Laboratory – a unique performance space capable of three-dimensional sound projection.

Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and music production.

BA Honours

Music and Audio Production 3 yrs (W374)

See also Music (BMus), Music and Sound Design, Music Performance, and Audio Engineering

Entrance Requirements

A-level:
ABB

All applicants:

There are no specific subject requirements to study Music and Audio Production.

For students whose first language is not English

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

Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

Student Experience

Northern Ireland has an exceptional track record for producing outstanding musical talent and has a unique identity within the global music industry. Belfast is the creative hub of the Northern Irish music industry and students on this programme will contribute to the vibrant musical life of both the University and the wider city.

Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Oberlin College, Ohio, Capital University, Ohio and University of Groningen.

Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include The Mac, Crescent Arts Centre, Production House, Start Together Studios, Redbox Recording, Smalltown America Studios, Blast Furnace Studios, Sonic Visuals, Earthmusic, Glasgowbury Music Hub.

Careers/Further Study

Companies and institutions currently employing our graduates include the BBC, UTV, Weller Media Agency, Start Together Studios, PSAV, The Mac, Pi Communications, The Nerve Centre, Stevens Institute of Technology and Queen's University Belfast.

Further study, including Master's programmes, is also an option; see the School website for further information.



"An invaluable aspect of being enrolled at SARC is the day and night access to excellent equipment and facilities. In all cases I found that the entire staff were willing to provide all the help and advice they could offer; always with a genuine interest in the subject material and the fostering of knowledge."

Chris Ryan,
BSc Music Technology and Sonic Arts graduate (2014)

Entrance requirements

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

Course information

Dr Simon Mawhinney,
Head of Music
School of Arts, English and Languages
E: s.mawhinney@qub.ac.uk
T: +44 (0)28 9097 5324
www.qub.ac.uk/ael

MUSIC AND SOUND DESIGN

The programme is designed for musicians interested in composing music and designing sound for a wide range of contexts but with particular emphasis on film and theatre. You will gain practical knowledge and experience of composing in the studio, composing for instrumental forces, songwriting and scoring for picture. Working alongside leading audio industry professionals you will also learn innovative methods of capturing, synthesising and manipulating sound, enabling the design of sonic environments to accompany picture, stage productions, radio and gaming.

Course Content

At **Level 1** students develop their musical practice in the areas of composition, critical listening and improvisation in addition to gaining a thorough grounding in sound recording principles and practical experience of audio mixing and sound synthesis. Students also explore the range of musical practices ranging from mass market music to the 'classical' tradition and its contemporary proliferation.

At **Level 2** students explore the broader field of sonic art and develop skills in sound design for screen including dialogue editing, atmos tracklay, SFX editing, ADR recording and mixing to broadcast specifications. Optional modules are available in areas such as audio production, radio production, instrument and installation design, songwriting or improvisation.

At **Level 3** students continue to develop skills relevant to sound design and the creation of sonic art. Students can also opt to take modules in spatial audio mixing, designing musical interactions, composing for film and television, audio production, or undertake a work placement. The programme concludes with the completion of a project focusing on an aspect of professional practice in sound design or composition.

Why Queen's?

World-class Facilities

The School is one of the largest and best-equipped institutions in the UK working in the field of music and sound. Students on the BA in Music and Sound Design have access to state-of-the-art audio resources including two dedicated computer suites, 10 sound studios and the world's first Sonic Laboratory – a unique performance space capable of three-dimensional sound projection.

Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition, performance, songwriting, sound engineering and audio production.

Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for audio post production are embedded into the curriculum.

BA Honours

Music and Sound Design 3 yrs (W371)

See also Music (BMus), Music and Audio Production, Music Performance, and Audio Engineering

Entrance Requirements

A-level:

ABB

All applicants:

There are no specific subject requirements to study Music and Sound Design.

For students whose first language is not English

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

Student Experience

Students on the BA Music and Sound Design programme have excellent opportunities to gain real-world production experience through collaborative work with students studying BA Film Studies and Production and BA Broadcast Production.

Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Oberlin College, Ohio, Capital University, Ohio and University of Groningen.

Work Placements

Sound design is a key element of the film, gaming and immersive (VR) industries. The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include DTS, The Sound Studio, Lamb Films, Pi Communications, Q Radio, Maverick Renegade Productions, The Soundhouse and The Big Telly Theatre Company.

Careers/Further Study

The programme prepares students for a wide range of possible career paths including sound design for screen, sound design for theatre, broadcasting, audio post production, foley, composition, scoring, interactive system design, education and other areas of the music and audio industries. Companies and institutions currently employing our graduates include the BBC, UTV, YellowMoon Post Production, NI Screen, SNK Studios, The Soundhouse and Queen's University Belfast.

Further study, including Master's programmes, is also an option; see the School website for further information



"Following my three years at Queen's, I can approach sound art with creative innovation as a result of newly developed technical understanding. The course has been artistically enlightening, with introductions to new forms of music and sonic art. The constant access to unique facilities, and regular communication with staff ensured I was never hindered in developing a comprehensive understanding of sound engineering, design and synthesis."

Sydney Bull,
BSc Music Technology and Sonic Arts graduate (2015)

Entrance requirements

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

Course information

Dr Simon Mawhinney,
Head of Music
School of Arts, English and Languages
E: s.mawhinney@qub.ac.uk
T: +44 (0)28 9097 5324
www.qub.ac.uk/ael

MUSIC PERFORMANCE

Music Performance

The BA in Music Performance is a vocational course aimed primarily at students who have a particular interest in pursuing a professional career in performance. The degree is distinguished by its inclusive approach and will have broad appeal to musicians who specialise in all performing traditions, including classical, folk, traditional, pop, rock, jazz, singer/songwriter, electronic and experimental. Students gain extensive experience of performing in solo, ensemble and improvised settings in addition to developing skills for performing in the recording studio and the use of technology in performance practice.

Course Content

Level 1 of the programme consists of four compulsory modules encompassing both solo and ensemble performance, general musicianship and a historical introduction to music. All students receive weekly performance tuition and participate in weekly performance platforms – an open session for peer critique of solo and ensemble performances. Optional modules include composition, fundamental harmony, sound recording principles, sound synthesis and audio mixing.

At **Level 2** students continue to develop solo, ensemble and improvised performance practice through individual tuition, group tuition and performance platforms. Student ensembles work in a recording studio setting to create recordings of newly conceived repertoire. Optional modules are available in areas such as songwriting, instrumental composition, sound design, sonic arts, audio production, instrument and installation design, music psychology, or introduction to arts management.

The primary focus at **Level 3** is further refinement of solo performance practice culminating in a double-weighted performance recital. All students are also asked to complete a project focusing on an aspect of professional practice in musical performance. Additional Level 3 options include modules in designing

musical interactions, composing for film and television, instrumental composition, sonic arts, and audio production.

Why Queen's?

World-class Facilities

The Music department at Queen's is one of the best equipped in the UK. Our music degrees are housed in two striking buildings: the elegant, historical Music building and the world-leading Sonic Arts Research Centre (SARC). SARC contains the unique Sonic Lab, a concert hall with variable acoustics and facilities for immersion in 360-degree sound. The Music building houses the Harty Room, a concert hall that is regularly used for public performances. The department also houses state-of-the-art recording studios, plus studios for surround sound and post production.

Industry Links

The School benefits from strong industry partnerships including BBC NI, Ulster Orchestra, Opera NI, Hard Rain Soloist Ensemble, Cathedral Arts Festival, Moving on Music, Diatribe Records, DTS and Dolby.

Internationally Renowned Experts

Many of our staff are leading international experts in their fields of research. Additionally, the School employs a number of Industry Fellows – internationally renowned professionals in their fields of composition,

BA Honours

Music Performance 3 yrs (W310)

See also Music (BMus), Music and Audio Production, Music and Sound Design, and Audio Engineering

Entrance Requirements

A-level:

ABB plus successful audition.

All applicants:

There are no specific subject requirements to study Music Performance. However, applicants being considered for entry are required to submit a video audition demonstrating a wide ranging ability of their musical performance style.

For students whose first language is not English

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



performance, songwriting, sound engineering and music production.

Professional Training

The School is an Avid Learning Partner and Avid-accredited courses in Pro Tools for music and audio production are embedded into the curriculum.

Global Opportunities

Students may opt to spend a semester studying abroad. The School has links with a number of international institutions including Oberlin College, Ohio, Capital University, Ohio and University of Groningen.

Work Placements

The Level 3 Work Placement module is an excellent opportunity for students to gain real-world industry experience. Some of the organisations our students have completed placements with include Ulster Orchestra, Northern Ireland Opera, Drake Music NI, Young at Art, The Playhouse, Open Arts, Down Arts Centre, Junior Academy of Music, and Thin Air Magazine.

"I can only describe my experience at SARC as a fulfilling and enlightening one. The facilities are second to none, the Sonic Lab being one of the most impressive and useful spaces a musician or artist could ever wish to be in. The staff are all extremely passionate in their teaching and practice, the SARC mentality is a forward-thinking one. I was able to shape my pathway with no stresses or constraints, fully expressing myself in performance modules that spanned the duration of the course and creating an interactive sound installation which was open for public view. This provided me with a tremendous sense of accomplishment as an artist."

Michael Speers,
BSc Music Technology and Sonic Arts graduate (2013)

Careers/Further Study

The programme prepares students for a wide range of possible career paths including performance (eg orchestral playing, opera singing, solo artist careers), improvisation, composition, teaching, academia, arts administration and broadcasting.

Further study, including Master's programmes, is also an option; see the School website for further information.

Entrance requirements

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

Course information

Dr Simon Mawhinney,
Head of Music
School of Arts, English and Languages
E: s.mawhinney@qub.ac.uk
T: +44 (0)28 9097 5324
www.qub.ac.uk/ael

Careers/Further Study

Studying for a BSc (Hons) Nursing degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by employers both nationally and internationally.

The majority of our graduates pursue a career in nursing which is an interesting, rewarding and challenging career where work can be in a variety of health care settings from accident and emergency to working in patients' homes, with people of all ages and backgrounds. Nursing can also offer a diverse range of post registration opportunities to specialise in areas such as counselling, public health and health promotion, acute care, as well as education and research

Further study is also an option open to Nursing graduates. For taught postgraduate programmes, students can follow the Master's In Advanced Professional Practice. There are also a range of PhD Nursing opportunities, see Queen's website for more details.

Entrance requirements

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

Course information

Dr Marian Traynor, Director of Education
School of Nursing and Midwifery
E: nursing@qub.ac.uk
T: +44 (0)28 9097 2233
www.qub.ac.uk/nur

Queen's is the only university in Northern Ireland offering degrees in all four fields of Nursing, (Adult, Children's, Learning Disability, and Mental Health), enabling an innovative approach to interprofessional education. Students undertaking our programmes may be eligible to have their fees paid by the Department of Health (DoH), and may receive a bursary.



NURSING

This three-year degree programme integrates theory and practice, preparing our students to be world-class practitioners. Students will spend 50 per cent of their time in class learning the latest nursing theory and clinical skills, and 50 per cent of their time with one of our internationally-recognised training partners in a wide variety of clinical and community settings throughout Northern Ireland.

Our highly-trained lecturing staff are actively engaged in areas of speciality practice, and our personal tutor system for student support is very well regarded.

There are also opportunities for elective placements with one of our international partners in the final year of study.

Course Content

Designed to meet the targets set by Transforming Your Care, this programme develops all the knowledge, skills and attributes central to practice: patient/client-centred; clinically effective; competent and safe; evidence-based; and established on caring and ethical principles.

We continually apply the results of our ground-breaking research to our teaching to ensure that our programme content is as up to date and as relevant as possible to the changing needs of the population.

Queen's is the only university in Northern Ireland offering degrees in all four fields of Nursing, (Adult, Children's, Learning Disability, and Mental Health), enabling an innovative approach to interprofessional education. Students should apply to study their chosen field of Nursing.

Why Queen's?

Accreditation

Professional registration with the Nursing and Midwifery Council (NMC 2010).

Global Opportunities

Student exchange programmes enrich your ability to critically compare the diverse delivery of health care and practice from a more global perspective. As globalisation becomes increasingly important, the

opportunity to study abroad, and experience another culture is a rewarding and meaningful experience. Students have the opportunity to apply for an international elective placement with the guidance and support from International co-ordinators in each field of nursing.

Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' responses to the specific scenarios.

Internationally Renowned Experts

The educational staff within the School are renowned across the world for their innovative activities and subject expertise.

Skills Development

Nurses and Midwives learn to be an integral part of a healthcare team. Within this School, multidisciplinary teams of medical students and nursing students work together using interprofessional learning scenarios.

BSc Honours

Nursing (Adult) (September intake)
3 yrs (B740)

Nursing (Adult) (February intake)
3 yrs (B74A)

Nursing (Children's) 3 yrs (B730)

Nursing (Learning Disability) 3 yrs (B761)

Nursing (Mental Health) 3 yrs (B760)

Entrance Requirements

This information is prepared in advance of the academic year to which it relates and the grades stated should be treated as a guide only and entrance requirements are reviewed annually.

Overall academic background will be taken into account when considering applications and additional academic criteria may have to be applied at shortlisting, depending on the volume of applications.

All applicants (except Access/Foundation applicants) must normally have a minimum of 5 GCSEs at grade C to include English Language or an equivalent qualification acceptable to the University, 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:

Successful completion with 60 Credits at Distinction and 120 Credits at Merit in a relevant Science-based course OR successful completion with 80 Credits at Distinction and 100 Merits in a non Science-based course.

Access/Foundation course:

An average mark of 65% where at least half of the overall programme is in Biology or Chemistry or Physics OR an average mark of 70% is required for non-Science-based access courses.

BTEC HND:

Successful completion with a minimum of Merits in at least 12 of the 16 units and Passes in all other units.

BTEC HNC:

Successful completion with a minimum of a Merit grade in each unit.

Scottish Highers:

BBBCC where a relevant Science subject is offered (see list under A-level requirements)

OR

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.

Graduates:

Honours Degree (minimum third class);
Ordinary Degree (minimum pass). Graduates must satisfy the GCSE Mathematics and Science requirements as above.

Open University Credits:

A minimum of 120 OU Credits.

Selection Process

- Applicants who satisfy the academic requirements or will be able to do so prior to 31 August 2018 are shortlisted for interview on the basis of their Personal Statement on their UCAS application. This is scored against criteria set by the Northern Ireland Practice and Education Council for Nursing and Midwifery (NIPCE)



The Nursing Top Up 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.

“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

Entrance requirements

Student Support Office
School of Nursing and Midwifery
E: nursing@qub.ac.uk
T: +44 (0)28 9097 5714
www.qub.ac.uk/nur

Course information

Dr Marian Traynor,
Director of Education
School Of Nursing and Midwifery
E: nursing@qub.ac.uk
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www.qub.ac.uk/nur

N NURSING TOP UP

The School of Nursing and Midwifery is uniquely positioned to offer an innovative approach to nursing with in 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.

Course Content

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 lifelong learning.

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.

Why Queen's?

Simulation Suite

Learn and test your clinical skills through the use of state-of-the-art simulation equipment. Our revolutionary facilities allow our educators to role play scenarios in response to the students' actions. This activity takes place behind a one-way mirror and provides the teaching team with the opportunity to observe and monitor the students' responses to the specific scenarios.

Internationally Renowned Experts

The educational staff within the School are renowned across the world for their innovative activities and subject expertise.

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.

Further Study

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.

BSc Honours
Nursing Top Up 1 yr

See also Health and Clinical Studies and Health Studies

Entrance Requirements

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 or visit the School website for more information: www.qub.ac.uk/nur

PHARMACEUTICAL SCIENCES/ BIOTECHNOLOGY

The pharmaceutical industry in the UK has a greater impact on the UK economy than any other high-tech industry. Employing 73,000 people, the pharmaceutical industry offers graduates a chance to play an important role in the development of new medicines with employment opportunities existing at all stages of the drug development process. Students choosing the BSc in Pharmaceutical Sciences or Pharmaceutical Biotechnology will be taught by world-leading experts in their field who work closely with the Pharmaceutical and related industries. They will be confronted by innovative and flexible teaching methods and will be provided a range of work-related learning (including placement) opportunities to equip them with the essential skills required by employers. The engaging and dynamic curriculum allows you to understand the fundamental science underpinning the discovery of new therapeutic compounds and their translation into marketed drug products.

Course Content

During your course of study, you will develop breadth and depth in the skills, knowledge and experiences required for success in your future career. Both degree programmes have been developed in consultation with industry and involve a broad syllabus covering the design, evaluation, production, and testing of medicines.

Level 1

All students take five modules:

The first module 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 which are of importance to pharmaceutical systems. The third module addresses the mathematical and statistical skills that are needed by pharmaceutical scientists to work effectively in the industrial sector, and other related areas.

A chemistry module covers important aspects of organic and bio-organic chemistry, including structure determination, chemical reactivity and the chemical mechanisms involved in making molecules.

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 and understanding of the basic/fundamental sciences related to pharmaceutical sciences and pharmaceutical biotechnology.

Two modules, common to both the Pharmaceutical Sciences and Pharmaceutical Biotechnology courses, 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.

BSc Honours

Pharmaceutical Sciences 3 yrs (B210)
Pharmaceutical Sciences (Sandwich)
4 yrs (B211)
Pharmaceutical Biotechnology 3 yrs (B212)
Pharmaceutical Biotechnology (Sandwich)
4 yrs (B213)

See also Pharmacy

Entrance Requirements

A-level

BBB including Biology and Chemistry + GCSE Mathematics grade C

OR

BBB including Biology and at least one from Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C

OR

BBB including Chemistry and at least one from Mathematics or Physics + GCSE Biology grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C.

For students whose first language is not English

An IELTS score of 6.5 with a minimum of 6.0 in each test component or an equivalent acceptable qualification, details of which are available at:
go.qub.ac.uk/EnglishLanguageReqs

Pharmaceutical Sciences students also undertake an Industrial Pharmaceutics module (40 CATS) concerning the formulation of drug products, drug stability and the industrial manufacturing of pharmaceutical dosage forms, whereas Pharmaceutical Biotechnology students undertake a Biochemistry and Molecular Biology module (20 CATS) and a Pharmaceutical Formulation module (20 CATS). Biochemistry and Molecular Biology provides students with a comprehensive understanding of major human metabolic processes. They will also gain detailed understanding of innate and adaptive immunity whilst Pharmaceutical Formulation is concerned with formulation of pharmaceutical drug products.

Year Out (Sandwich programmes only)

All students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Level 2 and the placement will be assessed within the module Professional Studies.

Level 3

The final year of each of these degree programmes builds upon the knowledge gained and skills developed in the first two years, and provides further specialisation in key areas, allowing graduates to work successfully within the industrial sector.

Modules studied in the final year cover the following areas which include the design of large and small molecules, advanced delivery systems for these active ingredients, and their associated pharmaceutical analysis. Quality assurance and regulatory aspects of pharmaceutical manufacturing are studied by Pharmaceutical Sciences students, while those specialising in Pharmaceutical Biotechnology study biological approaches to disease treatment and prevention and applied biotechnology and regulatory affairs.

Students also carry out a research project in either Pharmaceutical Sciences or Pharmaceutical Biotechnology.

Why Queen's?

Global Opportunities

Graduates may be involved in any aspect of drug product development and the School of Pharmacy has world-leading academics that are fully engaged with leading industrial partners tackling global health problems.

Industry Links

Academics teaching on our BSc degree programmes are leading subject experts and work with major multinational pharmaceutical companies. These include GSK, Eli Lilly, Teva, Astra Zeneca, Reckitt Benckiser, Almac, Capsugel, and many others.

World-class Facilities

The McClay Research Centre for Pharmaceutical Sciences provides extensive state-of-the-art facilities for research, supported by well-equipped pharmaceutical engineering, analytical, molecular biology, advanced microscopy, tissue culture and microbiology laboratories.

Internationally Renowned Experts

The BSc degrees in Pharmaceutical Sciences and Pharmaceutical Biotechnology are taught by world-leading academics. Research within the School is both fundamental and applied and is supported by a broad range of funders including government, charitable and multi-national industry sources.

Careers/Further Study

Studying for a BSc in Pharmaceutical Sciences or Pharmaceutical Biotechnology degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions.

Placements

Placements provide an opportunity to supplement formal University education with invaluable industrial experience and present an opportunity to form strong links with potential employers. Moreover, this will help students develop vital skills, improve their employability and ultimately help them become more aware of the global pharmaceutical community and

their connection to it. The School of Pharmacy have also introduced a range of other activities to support successful employability post degree. These include industrial visits to local pharmaceutical industries, employability workshops, writing CVs and job applications, psychometric tests and interview preparation techniques.

Graduate Opportunities

The prospects of employment for a graduate with a BSc in Pharmaceutical Sciences or Pharmaceutical Biotechnology degree in the UK are high. Graduates can pursue careers in the Pharmaceutical and Medical devices industry.

Opportunities also exist in areas relating to Research and Development, Manufacturing and supply, commercial or support functions.

Further information may be found at the Association of the British Pharmaceutical Industry careers website: careers.abpi.org.uk

Further Study

Graduates can choose from a wide range of Master's programmes as well as a comprehensive list of research topics for study at PhD level (PhD); see the School website for further information.



Entrance requirements

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

Course information

Professor Gavin Andrews,
School of Pharmacy
Queen's University Belfast
E: pharmacyinfo@qub.ac.uk
T: +44 (0)28 9097 2086
www.qub.ac.uk/pha

The MPharm degree is designed to help students become experts in medicines with the skills to work effectively with patients and the multidisciplinary team. The course integrates the chemical, and biological sciences with the discovery, design, evaluation and production of medicines and their clinical application to all areas of practice. A variety of placements and simulated learning with multidisciplinary teams help students develop the knowledge and skills to be a valued and effective member of the healthcare team.

Course 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, 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.

Why Queen's?

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 2017 we are ranked as the No 1 Pharmacy School in the UK.

MPharm

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.

Please note that only one Mathematics subject will be counted at A-level. A-level Critical Thinking and General Studies are not acceptable.

Graduates:

A minimum of an Upper Second Class Honours degree preferably in a relevant subject. Those with an Upper Second Class Honours degree in a non-relevant subject may be considered if they have the appropriate science background at GCSE and A-level. Shortlisted applicants will be required to attend an interview as part of the selection process.

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

Placements

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 (PSNI), as the relevant regulators.

Links with Employers

The School of Pharmacy has developed close links with a wide variety of industry partners through research and teaching at a local, national and international level.

Students are taught by practising pharmacists from the community and hospital setting and the School's Careers Liaison Officer ensures that students are aware of all career opportunities and prepared for application and interview processes.

World-class Facilities

At Queen's we believe in providing students with as authentic a learning experience and environment as possible. Our recently renovated Pharmacy Practice Unit consists of everything you would find in a contemporary community pharmacy. In addition we have world-leading research laboratories with the best technology in the industry.

Internationally Renowned Experts

According to REF 2014, the research environment at the School of Pharmacy has been rated as 100 per cent world leading.

Careers/Further Study

To become a pharmacist in the UK, you will need to complete a four-year MPharm degree, a year of preregistration training in the UK and pass an entrance exam set by the GPhC (England, Scotland and Wales) or the PSNI (Northern Ireland). The MPharm course at Queen's is accredited by the General Pharmaceutical Society (GPhC) and the Pharmaceutical Society of Northern Ireland (PSNI).

Our graduates typically pursue careers in three main employment sectors, namely, community pharmacy, hospital

pharmacy and the pharmaceutical industry; however, graduates can develop careers in a range of other sectors. Examples of the major career sectors that have attracted our graduates in recent years:

- Hospital pharmacy
- Community pharmacy and primary care
- Scientific publishing
- Industrial pharmacy
- Academic pharmacy
- Varied graduate programmes (Times Top 100 Graduate Recruiters/AGR, Association of Graduate Recruiters UK)

Further information regarding careers in pharmacy may be obtained from the Royal Pharmaceutical Society.

Consultations

We regularly consult and develop links with a large number of employers including, for example, multinational and independent pharmacies and Health and Social Care Trusts who provide placements for students and who contribute to the undergraduate teaching on the MPharm and who are members of the stakeholders' panel for the course.

Further Study

Further study is also an option open to MPharm graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics, see: qub.ac.uk/pha

"The high standard of teaching and research, as well as helpful and supportive staff at the School of Pharmacy have made my time as a student truly exceptional."

Ing Ho Kong, Malaysia, Pharmacy Student and Lead International Mentor



Entrance requirements

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

Course information

The School Manager,
School of Pharmacy
Queen's University Belfast
E: pharmacyinfo@qub.ac.uk
T: +44 (0)28 9097 2086
www.qub.ac.uk/pha

The School of Pharmacy at Queen's has been ranked as the number 1 School of Pharmacy in the UK (Times and Sunday Times Good University Guide 2017)

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.

Course Content

The degree programme does not presuppose any prior training in Philosophy and can profitably be taken by those who have studied the subject at school – as well as those who have not.

Year 1

Students choose six modules from a range of introductory modules including the following:

- Logic and Critical Thinking
- Perspectives on Politics
- Philosophy and Human Nature
- Philosophy and the Good Life

Years 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:

Year 2 Modules

- 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

Year 3 Modules

- Philosophical Theology
- Philosophy of Law

- Philosophy of Science
- Scholastic Ethics
- Scholastic Metaphysics
- The Religious and the Secular in Modern
- Political Thought
- Dissertation

Why Queen's?

Global Opportunities

Students have the opportunity to spend part of the course studying in other European universities, through our Erasmus programme, and also in the USA.

Internationally Renowned Experts

We have particular strengths in the areas of applied ethics and political philosophy, and, unusually amongst UK universities, offer teaching in scholastic philosophy.

Student Experience

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.

Careers/Further Study

Skills to Enhance Employability

Queen's takes the employability of its students very seriously. Tailored careers advice and study guidance are available to all students throughout their time at Queen's.

Close Links with Employers

The School has an active Employers' Forum that is used to forge links with national and international employers. Queen's philosophy graduates go on

BA Single Honours

Philosophy 3 yrs (V500)

BA Joint Honours

English and Philosophy 3 yrs (QV35)
History and Philosophy 3 yrs (V11M)
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

to an unlimited range of occupations in the public and private sectors, including the Civil Service, local government, the media, policy analysis, the voluntary sector, teaching, journalism, business, marketing and advertising. Career destinations of our students have included the BBC, the Diplomatic Service, the NHS, International House, RPS Belfast and the Belfast Education and Library Board.

Further Study

For those wishing to pursue further study after their first degree, the School provides MPhil Master of Philosophy and PhD Doctor of Philosophy; 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."

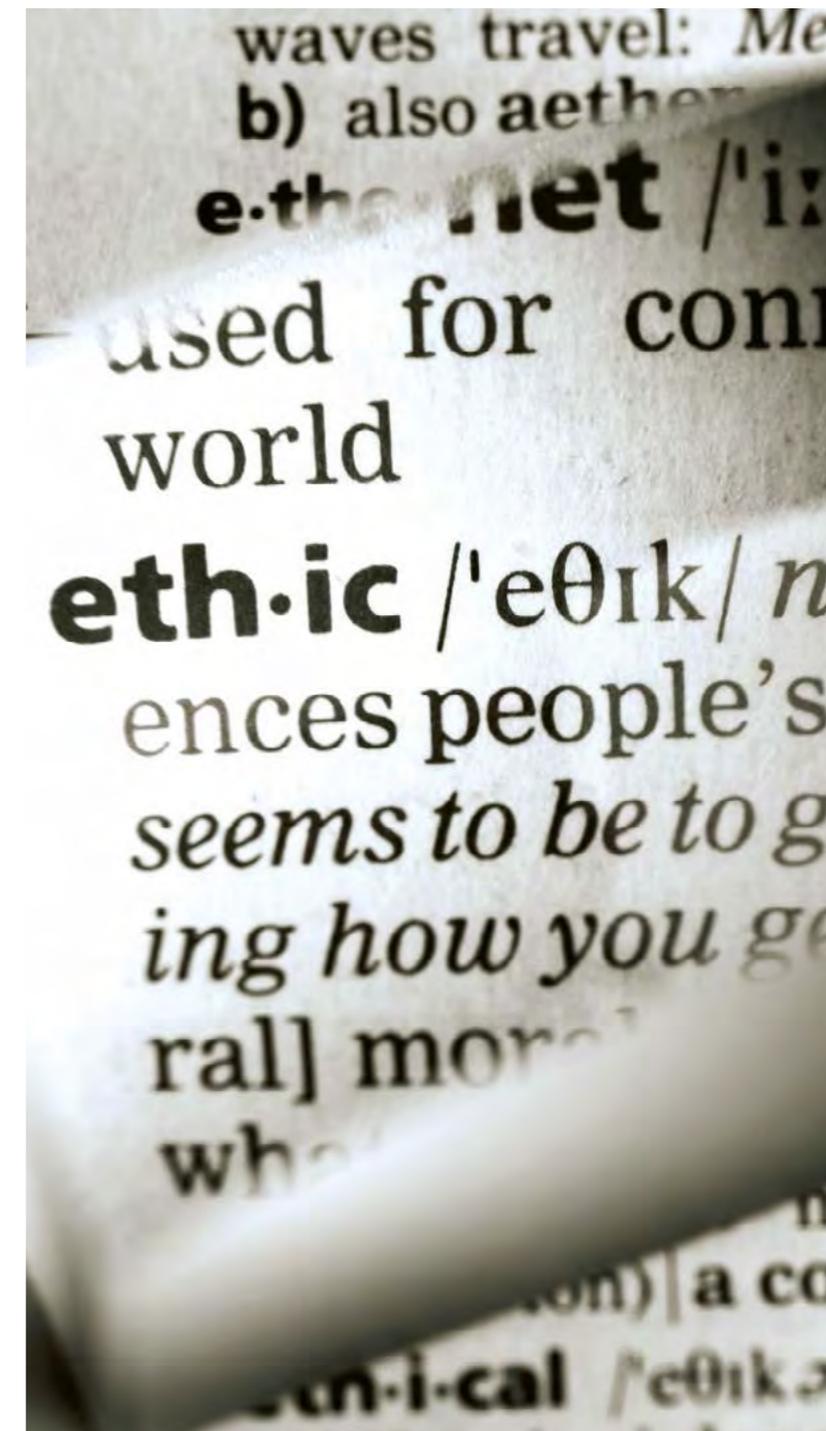
Adrian Downey, Northern Ireland
BA Philosophy Graduate
Currently studying for an MSc by Research

Entrance requirements

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

Course information

Dr Jeremy Watkins,
Adviser of Studies
School of History, Anthropology,
Philosophy and Politics
E: j.watkins@qub.ac.uk
T: +44 (0)28 9097 3017
www.qub.ac.uk/happ



PHILOSOPHY AND POLITICS

The programme is designed to provide students with an intellectual training in the disciplines of Philosophy and Politics which, while discrete subjects, are also complementary and mutually enriching. The combination of Philosophy and Politics allows for the development of an in-depth appreciation of the ideas that help to explain the foundations of the modern world, democracy and political stability.

Course Content

PHILOSOPHY

The degree programme does not presuppose any prior training in Philosophy and can profitably be taken by those who have studied the subject at school – as well as those who have not.

Year 1

Students choose six modules from a range of introductory modules including the following:

- Logic and Critical Thinking
- Perspectives on Politics
- Philosophy and Human Nature
- Philosophy and the Good Life

Years 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:

Year 2 Modules

- 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

Year 3 Modules

- Philosophical Theology
- Philosophy of Law
- Philosophy of Science

- Scholastic Ethics
- Scholastic Metaphysics
- The Religious and the Secular in Modern
- Political Thought
- Dissertation

POLITICS

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.

Year 1

- 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 Major (eight modules), Joint (six modules), or Minor (four modules) component along with another subject. 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.

Year 2

- 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

Year 3

- Arms Control
- Asylum and Migration in Global Politics

BA Joint Honours

Philosophy and Politics 3 yrs (VLM2)

See also Politics, and Politics, Philosophy and Economics (PPE)

Entrance Requirements

A-level:

BBB

All applicants:

There are no specific subject requirements to study Philosophy and Politics.

For students whose first language is not English

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



- 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

Why Queen's?

Global Opportunities

Students have the opportunity to spend part of the course studying in other European universities, through our Erasmus programme, and also in the USA and Canada.

Industry Links

Internship: students in their final year have the opportunity to secure a semester-long internship, giving them hands-on experience of political issues and policy-making.

Placement: 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.

Research-led Teaching: we have particular strengths in the areas of applied ethics and political philosophy, and unusually amongst UK universities – offer teaching in scholastic philosophy.

Student experience: we have active student societies for both Politics and Philosophy in the School and are also the home of the Belfast branch of the Royal Institute of Philosophy, which organises regular talks and seminars by distinguished visiting philosophers.

Careers/Further Study

A degree in Politics and Philosophy provides a stimulating programme of study and intellectual training useful in many walks of life and future career paths. Graduates are equipped with the necessary attributes for graduate employment or postgraduate education and training, and are able to make a difference in whatever future career they choose.

Close Links with Employers

The School has an active Employers' Forum that is used to forge links with national and international employers. Graduates go on to an unlimited range of occupations in the public and private sectors – career destinations of our students have included the BBC, the Diplomatic Service, the NHS, International House, Civil Service and major banks.

Further Study

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes, each of which can be taken either full-time (one year) or part-time (two years). There are also opportunities to do an MPhil or PhD by thesis; see the School website for information.

Entrance requirements

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

Course information

Dr Roger Clarke,
Subject Convenor
School of History, Anthropology,
Philosophy and Politics
E: roger.clarke@qub.ac.uk
T: +44 (0)28 9097 5035
www.qub.ac.uk/happ

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.

Course Content

Physics may be studied either as a Single Honours degree, as Physics, Physics with Astrophysics, Physics with Medical Applications, Physics with Extended Studies in Europe, Theoretical Physics; or as a Joint Honours degree in conjunction with Applied Mathematics.

Stage 1

In their first year students study a core of experimental, theoretical and computational Physics, alongside Applied Mathematics. Physics topics include:

- Classical Mechanics
- Electromagnetism
- Light and Optics
- Quantum Theory
- Relativity
- Solid State Physics
- Thermal Physics

Practical work will be performed in our new state-of-the-art teaching centre laboratories. Here students will encounter the physical

phenomena learned about in their lectures, as well as computer programming.

Tutorials, based around the lecture courses, give experience in problem-solving and verbal and written communication. Within the course students will receive basic skills training in writing, presentations and personal/career development.

Stages 2 and 3

At Stage 2, according to degree selection, modules are taken which reveal the excitement of such areas as:

- Astrophysics I
- Atomic and Nuclear Physics
- Quantum Physics
- Optics, Electricity and Magnetism
- Physics of the Solid State

Advanced Laboratory work develops the skills of planning, carrying out and analysing experiments and simulations, and provides opportunities for deepening understanding of the wide applicability of physics.

BSc Honours

Applied Mathematics and Physics
3 yrs (GF13)
(see *Mathematical Studies*)

Physics 3 yrs (F300)

Physics with Astrophysics 3 yrs (F3F5)
Physics with Extended Studies in Europe
4 yrs (F308)

Physics with Medical Applications
3 yrs (F3B9)

Theoretical Physics 3 yrs (F340)
(see *Mathematical Studies*)

MSci Honours

Applied Mathematics and Physics
4 yrs (GFC3)
(see *Mathematical Studies*)

Physics 4 yrs (F303)
Physics with Astrophysics 4 yrs (F3FM)

Physics with Extended Studies in Europe
5 yrs (F309)

Physics with Medical Applications
4 yrs (F3BX)

Theoretical Physics 4 yrs (F344)
(see *Mathematical Studies*)

Entrance Requirements

BSc Options

Applied Mathematics and Physics /
Theoretical Physics

A-level:

A (Mathematics) BB including Physics

Physics with Extended Studies in Europe

A-level:

BBB including Mathematics and Physics

*For French option: A-level French
grade B

*For Spanish option: A-level Spanish
grade B

Physics / Physics with Astrophysics /
Physics with Medical Applications

A-level:

BBB including Mathematics and Physics

MSci Options

Applied Mathematics and Physics /
Theoretical Physics

A-level:

AAA including Mathematics and Physics
OR

A* (Mathematics) AB including Physics

Physics with Extended Studies in Europe

A-level:

AAB including Mathematics and Physics

*For French option: A-level French
grade B

*For Spanish option: A-level Spanish
grade B

Physics / Physics with Astrophysics /
Physics with Medical Applications

A-level:

AAB including Mathematics and Physics

For students whose first language is not English

An IELTS score of 6.0 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at:

go.qub.ac.uk/EnglishLanguageReqs

"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

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

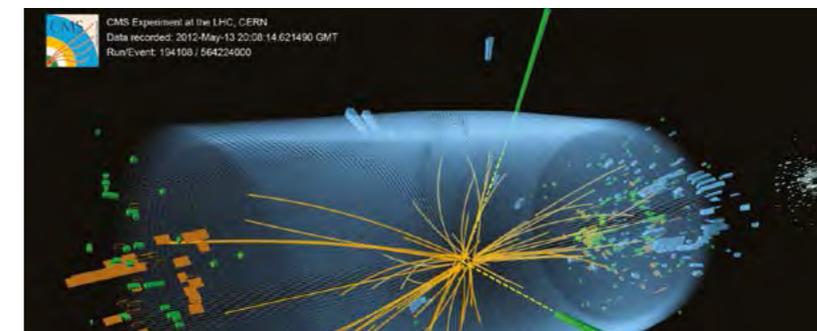
Project work entails a major experimental or computational investigation of a particular physics problem. This is undertaken using state-of-the-art equipment installed in the School's new Teaching Centre. This includes projects on ultrasound, MRI and X-ray imaging, gamma ray spectroscopy, lasers, atomic force and scanning tunnelling microscopy, nano-material fabrication and characterisation, and astronomical observations.

MSci (Master in Science)

These four-year degrees are aimed at the more able and committed students who intend to practise the profession of physics in research and development, in industry or academia, at the highest level.

Single Honours MSci options are available in Physics, Physics with Medical Applications, Physics with Astrophysics, Physics with Extended Studies in Europe and Theoretical Physics. A Joint Honours MSci option is also available in Applied Mathematics and Physics.

Transfer from the three-year BSc degree to the MSci is permitted up to the end of Stage 2. Students who successfully complete the four-year MSci qualify for the degree of MSci (Hons) in the relevant option.



Stages 1 and 2 are identical to those for the BSc degree.

At Stage 3, MSci students also have the opportunity to undertake a Computational project module, which will introduce them to numerical simulations that are fundamental to all areas of physics today.

At Stage 4, specialist modules are available, broadly reflecting research interests of those teaching in the Department. These modules include:

- Cosmology
- High-Energy Astrophysics
- Laser Physics
- Medical Radiation Research Methods
- Molecular Physics
- Planetary Systems
- Plasma Physics
- The Physics of Nanomaterials
- Ultrafast Science

Also in this year, a major project is carried out in association with one of these research areas, with the student working within world-leading research groups. Through this project students gain an intensive insight into modern scientific research. Students can also undertake projects with an outside organisation or company provided the research is approved by the Director of Education. Some projects may result in publications in national and international scientific journals.

Why Queen's?

Accreditation: our Physics degrees are fully accredited by the Institute of Physics, which puts graduating students on the path to becoming a Chartered Physicist. The exception is the Applied Mathematics and Physics degree which is recognised by the Institute but can also be fully accredited depending on module choices at Stage 2 and above.

Study Abroad: Physics with Extended Studies in Europe includes a year spent studying abroad.

Scholarships and Bursaries: students in the School can benefit from scholarships and bursaries provided by the University and by external companies; see the University website for further information.

"I just loved the way Physics was part of everyday life as well as the weird and the wonderful. One day you would learn about holograms, the next day about quarks!"

Barbara Hamill,
Physics Graduate
Ophthalmic Photograder in Centre for Experimental Medicine at Queen's

"I enjoyed learning about the fundamental laws that govern the world."

David Mulholland,
Belfast, Northern Ireland
MSci Graduate, Postdoctoral Researcher at University of Reading

Careers/Further Study

Physics 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.

"Crystal physics and medical physics were very interesting, and PAMSOC (the Physics and Applied Maths Society) was fun too!"

Suzanna McVeigh,
Statistician
BSc Physics with Astrophysics Graduate

"Physics teaching at Queen's is strongly influenced by current research methods and discoveries. Our students see how fundamental concepts link to recent advances such as the discovery of the Higgs boson, or how the detection of gravity waves could be used to probe massive supernova explosions. Coupled with their experimental and computational skills, our students are trained to effectively apply and communicate their knowledge and insight in a range of scientific and other careers."

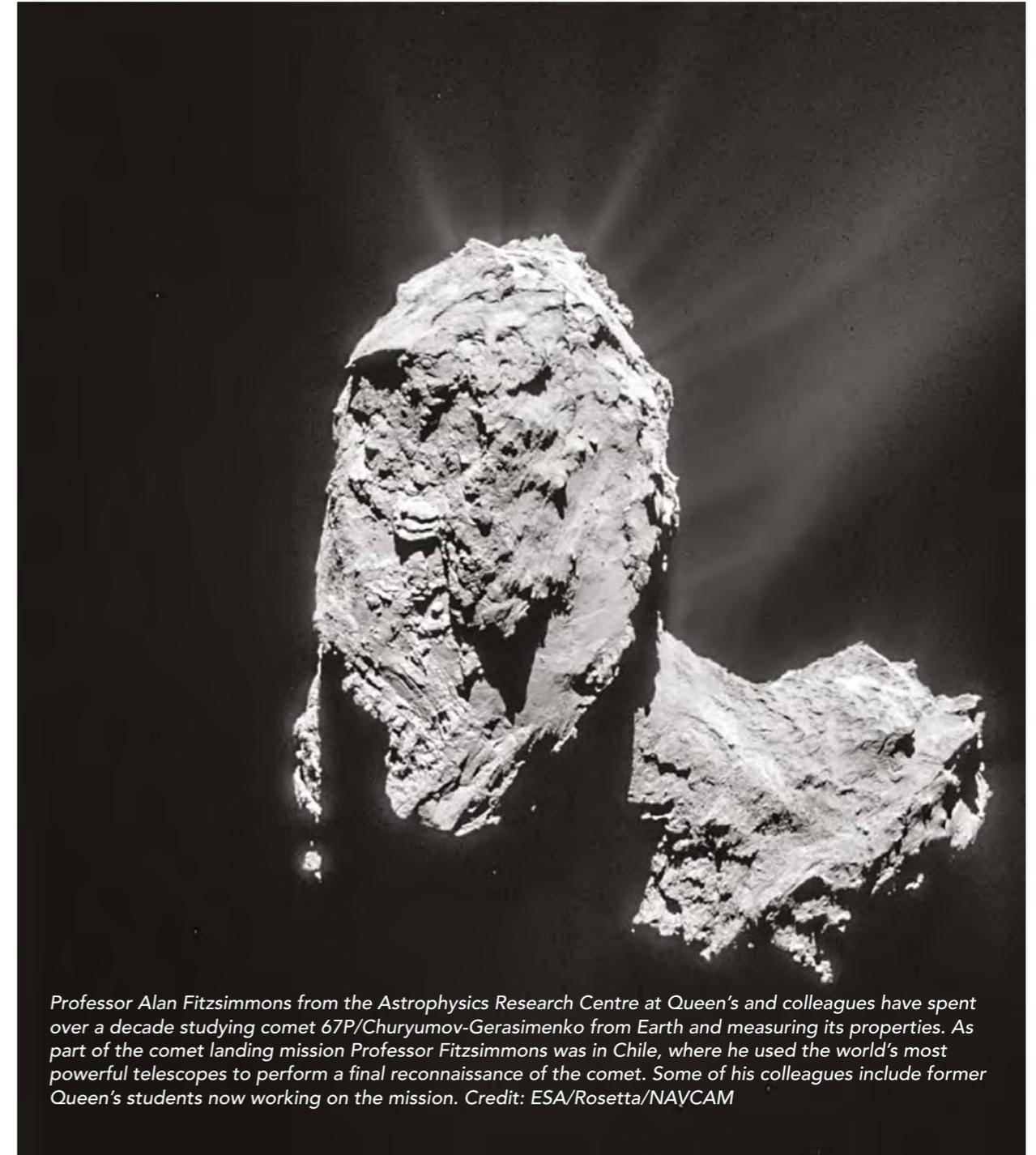
Dr Jason Greenwood,
Physics Director of Education

Entrance requirements

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

Course information

Physics Admissions
School of Mathematics and Physics
E: mpts@qub.ac.uk
T: +44 (0)28 9097 3517
www.qub.ac.uk/mp



Professor Alan Fitzsimmons from the Astrophysics Research Centre at Queen's and colleagues have spent over a decade studying comet 67P/Churyumov-Gerasimenko from Earth and measuring its properties. As part of the comet landing mission Professor Fitzsimmons was in Chile, where he used the world's most powerful telescopes to perform a final reconnaissance of the comet. Some of his colleagues include former Queen's students now working on the mission. Credit: ESA/Rosetta/NAVCAM

PLANNING, ENVIRONMENT AND DEVELOPMENT

Planning is about changing the places within which we live – how we can transform and improve our cities, towns, villages, neighbourhoods and communities. It affects our everyday lives and is an extremely exciting discipline to study at university.

A planning degree provides students with the knowledge and skills to be able to make decisions that shape the processes of growth and development. We currently face many major challenges – attracting investment, creating jobs, protecting the environment, energy policy, housing supply, transport links, providing local amenities – and planning affects how these things happen. Therefore, as future planners you will have a very important role to play in shaping the future.

Planning is a broad subject matter and planners perform many different roles relating to the natural, physical, economic, social and cultural environments that we live in. Given this, planning offers a wide spectrum of employment opportunities. Studying planning will equip you with the knowledge to understand how cities, towns, villages, communities and neighbourhoods function and operate, and then have the skills to make decisions that shape how they grow and prosper.

Course Content

The aim of this degree is to develop the professional skills necessary to work in the broad field of planning practice and development management. Graduates will have the skills to enable them to participate in the design and development of the built environment, and a range of other related professions.

In providing an accredited pathway to the planning profession (worldwide), the degree develops knowledge on a wide range of themes such as the economic, social and political context within which planning operates. Furthermore, a range

of transferable skills, such as mediation, advocacy, communication and IT skills, are developed which can be applied in a range of international careers.

Level 1

Level 1 assumes no prior knowledge of planning and provides an overall introduction to the key issues, processes and professional skills required for planning practice, plus the history and evolution of planning as a profession and academic discipline. This includes projects that promote group working, oral presentations, academic writing, design and GIS skills and the use of specialist software.

BSc Honours

Planning, Environment and Development
3 yrs (K430)

Entrance Requirements

A-level:

BBB + GCSE Mathematics grade C

BTEC Extended Diploma:

A BTEC Extended Diploma with 100 credits at Distinction and 80 credits at Merit + GCSE Mathematics grade C

For students whose first language is not English

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

Level 2

Level 2 provides a more detailed appreciation of planning, with modules examining topics such as economics, climate change and planning theory. It includes two key projects, one that develops skills in spatial planning policy, and another that promotes understanding of the development management process. Students are also given an opportunity to further develop skills in design issues and are introduced to the social aspects of planning activity.

Level 3

Level 3 develops a greater theoretical understanding of planning. In the first semester students have the opportunity to study for three months at a European university as part of the Erasmus programme. Students remaining at Queen's will study, in depth, some of the key and cutting-edge planning issues and debates that currently face the planning profession. These are studied from a variety of geographical, political and cultural perspectives. In the second semester all students are required to complete an independent research project. The second semester also includes modules in law, infrastructure and transport, and conservation.

Why Queen's?

Ranking: in the recent National Student Survey, Queen's Planning was the highest ranking Planning school in the UK. Planning at Queen's is also ranked 4th in the UK in the Times and Sunday Times Good University Guide 2017 and 5th in The Guardian University Guide 2017.

Accreditation: this degree is accredited by two professional bodies: the Royal Town Planning Institute (RTPI) and the Royal Institution of Chartered Surveyors (RICS). To gain accreditation from the RTPI, students are required to complete a fourth year of study (not necessary for RICS). In each case completion of academic studies must be followed by a period of work experience and assessment of professional competence.

Careers/Further Study

Although the majority of our graduates pursue careers in planning, the knowledge

and skills developed also enable them to develop careers in a wide range of other sectors both in the UK and abroad. Recently, for example, graduates have found employment in China, the USA and New Zealand.

Career sectors that have attracted our graduates in recent years include planning authorities (Northern Ireland, Great Britain and the Republic of Ireland), private planning practice, management, design consultants, housing authorities, health trusts, conservation and environmental organisations, teaching (particularly geography), countryside stewardship, software development and various graduate programmes.

This degree is closely aligned to the requirements of the planning sector and draws on practitioners as guest lecturers. We regularly consult with employers, and links are further enhanced through formal partnership meetings with the bodies that accredit our courses (RICS and RTPI).

We have developed strong relationships with, for example, the Northern Ireland Housing Executive, the Planning Division of the Department for Infrastructure, and the Department for Regional Development, and draw on such experts in the design of the degree.

Many of our graduates go on to one of our two Master's programmes to complete their RTPI accreditation, or other postgraduate training, including PhD study; see the School website for further information.

Planning at Queen's is ranked 1st in all categories (including Teaching Quality, Academic Support, Personal Development and Overall Student Satisfaction) in the UK National Student Survey, 2016.



"A challenging and rewarding degree, which gives abundant opportunities to its students in all aspects of planning and employment."

Tierna McVeigh,
Crumlin, Northern Ireland
BSc Environmental Planning Graduate
(2014), currently studying for a Master's degree

Entrance requirements

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

Course information

Dr Philip Boland
School of Natural and Built Environment
E: snbe@qub.ac.uk
T: +44 (0)28 9097 6564
www.qub.ac.uk/schools/NBE/

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.

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.

Course Content

Students who intend to study Politics at Levels 2 and 3 must choose between two and five of the introductory modules available in the first year.

Year 1

- Comparative Politics
- Contemporary Europe
- Issues in Contemporary Politics
- Perspectives on Politics
- World Politics: Conflict and Peace

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.

Year 2

- 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

Year 3

- Arms Control
- Asylum and Migration in Global Politics
- Contemporary Critical Theory
- Contemporary Political Philosophy
- Ethics, Power and International Politics
- Global Resource Politics
- Middle Eastern Politics
- 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

Dissertation: in their final year, students can opt to write a dissertation based on a research topic of their choice and under one-to-one supervision by an academic with specialist knowledge in the chosen field.

BA Single Honours

Politics 3 yrs (L200)

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)
 Irish and Politics 3 yrs (QL52)
 Philosophy and Politics 3 yrs (VLM2)
 Politics and Spanish 4 yrs (LR24)

LLB Honours

Law with Politics 3 yrs (M1L2)

See also International Politics and Conflict Studies, and Politics, Philosophy and Economics (PPE)

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



Why Queen's?

Global Opportunities

Students have the opportunity to spend part of the course studying in other European universities, through our Erasmus programme, and also in the USA and Canada.

Industry Links

The School offers a range of employment placements where students can gain real world work experience which is invaluable in terms of employment after graduation. Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

Research-led Teaching

Cutting-edge research drives our externally commended teaching, most recently evidenced in the latest student satisfaction survey.

Student Experience

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.

Careers/Further Study

Skills to Enhance Employability

Studying for a Politics 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 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.

Further Study

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes, each of which can be taken either full-time (one year) or part-time (two years).

There are also opportunities to do an MA in Politics and an MPhil or PhD by thesis; see the School website for information.

"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
BA Politics

Entrance requirements

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

Course information

Dr Peter McLoughlin
 School of History, Anthropology,
 Philosophy and Politics
 E: p.mcloughlin@qub.ac.uk
 T: +44 (0)28 9097 3109
www.qub.ac.uk/happ

POLITICS, PHILOSOPHY AND ECONOMICS

The Politics, Philosophy and Economics (PPE) degree is based on the view that, to understand public phenomena, one must approach them from several disciplinary directions. This degree illuminates how these three areas complement one another:

- Politics acquaints students with the institutions and processes that produce decisions governing our lives
- Philosophy develops analytical rigour, the ability to reason logically, critically and ethically
- Economics helps in understanding government policy and the choices facing businesses, governments and society

Course Content

In order to ensure that students studying on the PPE degree have sufficient grounding in all three subjects, they have a prescribed list of four modules at both Levels 1 and 2 (with two optional modules each year). At Level 3, students have greater flexibility in terms of their module choices, having the option to substitute either a dissertation or internship in place of some of their modules.

Level 1

Students take:

- two Economics modules
- one Politics module
- one Philosophy module

And have two choices.

Level 2

Students take two core interdisciplinary modules:

- Democracy and Ethics and Economics
- Politics and Economics of the Devolved UK

They also take two other core modules:

- Macroeconomic Policy and Performance
- Moral Theories

And have two choices from the list below:

- American Politics
- History of Philosophy
- Industrial Organisation
- International Organisations
- International Relations
- Knowledge and Reality
- Managerial Economics
- Modern Political Thought
- Mind and Language
- Politics and Policies of the European Union
- Scholastic Ethics
- Security and Terrorism
- Studying Politics
- The Politics of Deeply Divided Societies

Level 3

Students take the equivalent of six modules: either a double-weighted dissertation, or double- or single-weighted internship; and modules from at least two of the three subject areas of Politics, Philosophy and Economics. Students can also spend a semester abroad at Level 3.

Modules

- Labour Economics
- Economic History
- Public Economics
- Contemporary Political Philosophy
- Contemporary Epistemology
- Philosophy of Law

BA Honours

Politics, Philosophy and Economics 3 yrs (LV00)

See also Politics, Philosophy, Economics

Entrance Requirements

A-level:

AAA + GCSE Mathematics grade B

For students whose first language is not English

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

- Scholastic Metaphysics
- Issues in the Philosophy of Science
- Contemporary Critical Theory
- Philosophical Theology
- Applied Ethics
- Philosophy for Children
- Gender and Politics
- Middle Eastern Politics
- The Politics of Sustainable Development
- Asylum and Migration in Global Politics
- Political Parties, Representation and Democracy
- Security and Technology
- US Foreign Policy
- The Far Right in Western Europe and North America
- Ethics, Power, and International Politics
- Politics, Public Administration and Policy Making
- Dissertation
- Internship (double-weighted)
- Placement (single-weighted)

Dissertation: in their final year, students can opt to write a dissertation based on a research topic of their choice and under one-to-one supervision by an academic with specialist knowledge in the chosen field.

Why Queen's?

Studying PPE at Queen's has several unique advantages:

- Studying in Belfast, a regional political and economic capital city, allows for one to interact directly with key decision makers in the area
- Situated on the island of Ireland, the PPE degree at Queen's offers a unique international setting
- Studying politics, philosophy, and economics in a divided society allows one to explore how these subjects work to shape conflict
- Small class sizes promote the building of close friendships and networks

Global Opportunities

Study Abroad: students have study opportunities in other European universities through our Erasmus programme, and also in the USA and Canada.

Industry Links

The School offers a range of employment placements where students can gain real-world work experience which is invaluable in terms of employment after graduation.

Given that Belfast is a regional capital with devolved powers, we can offer students placements in the high profile political and related institutions on our doorstep – for example in the Department of Justice, Equality Commission, Police Ombudsman's Office, or BBC Northern Ireland.

Student Experience

Our uniquely supportive pastoral care/personal tutor system is equalled only by the academic guidance available. Our vibrant PPE Society provides a welcome and stimulating environment for new students. We have students from around the UK, Ireland, Europe and the wider world, ensuring a rich mix of students with different experiences and backgrounds.

Research Methods

Students will develop core skills in analytical research methods necessary for analysing political and economic data.

Careers/Further Study

A PPE degree provides a stimulating programme of study and intellectual training useful in many walks of life and future career paths. Graduates are equipped with the necessary attributes for graduate employment or postgraduate education and training, and are able to make a difference in whatever future career they choose. PPE graduates enter careers in areas such as marketing, journalism, broadcasting, education, the Civil Service, equal opportunities, banking, business, public relations, local government, and even politics itself.

For those wishing to pursue further study after their first degree, the School provides a range of MA programmes. There are also opportunities to do an MA in Politics and an MPhil or PhD by thesis; see the School website for information.

“The School is of not too large a size as to be impersonal, and therefore the relationships between the students and with the staff were strong and highly inclusive. The relatively small intake of the PPE programme meant that across all three years there were plenty of opportunities to interact with the other students, and the PPE society always had great socials as well as academic events. Even though I'm now in London I return to Belfast quite often to catch up with friends now working in Northern Ireland or studying at Queen's.”

Ed Livingstone, BA Politics, Philosophy, and Economics (2013)

Entrance requirements

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

Course information

Dr Chris Raymond
School of History, Anthropology,
Philosophy and Politics
E: c.raymond@qub.ac.uk
T: +44 (0)28 9097 3652
www.qub.ac.uk/happ



PRODUCT DESIGN ENGINEERING

The main objective of this engineering degree is to produce graduates with a broad and balanced set of skills and attributes required for the design and manufacture of innovative technical products. It is a variant of the Mechanical Engineering degree which, after first year, focuses on design process methodology, materials, manufacturing and analysis.

The integrated curriculum connects content from different modules through team-based and individual projects which act as a core activity each year.

Course Content

Stage 1

The emphasis is on engineering science fundamentals. Additionally:

- CAD modules develop a key skill needed for project work in subsequent years
- Short projects concentrate on dissection and analysis of existing products
- The Introduction to Product Design module develops specific skills related to ideation, problem-solving and design methodology

Stage 2

Student projects form a significant part of Stage 2, focusing on the production and testing of prototypes, along with an understanding of the influence of manufacturing processes on design. Supporting modules enable the application of relevant technical knowledge, professional skills and attributes.

Stage 3

In Stage 3, BEng students undertake a major individual project while MEng students work in groups on their major project.

Additional industry-focused project activities are supported by a number of external collaborators. Engineering science subjects focus on materials, manufacturing and computer-aided analysis.

MEng (Stage 4)

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.

Why Queen's?

Accreditation: both the BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

International Reputation: the School has an international reputation for its contributions to the development of engineering education by playing a leading role in the CDIO initiative (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 demonstrate a high level of performance may be invited to transfer to the equivalent MEng degree at the end of Stage 2.

Placements: the School actively encourages one-year work placements, offering preparation through its employability programme and support through its dedicated placement officer.

Study Abroad: students have the opportunity to work or study outside the

BEng Honours

Product Design Engineering 3 yrs (H150)
Product Design Engineering with a Year in Industry 4-yr SW (H151)

MEng Honours

Product Design Engineering 4 yrs (H152)
Product Design Engineering with a Year in Industry 5-yr SW (H155)

Entrance Requirements

BEng

A-level:

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

BTEC Extended Diploma:

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

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

BTEC Higher National Diploma:

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

MEng

A-level:

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

BTEC Extended Diploma:

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

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

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

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

For student whose first language is not English

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

"I found the Product Design Engineering degree to be very applicable to working life as an engineer. The practical, hands-on design approach I learnt in university has stood me in good stead to tackle a great breadth of projects."

Fiona Bennington,
MEng graduate (2011)
Design Engineer, James Leckey Design Ltd

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 currently offers the opportunity to spend a period of up to 1 year studying abroad as part of the Erasmus exchange programme.

Careers/Further Study

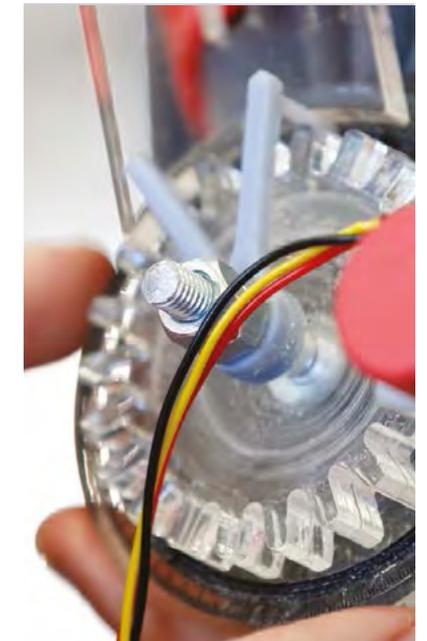
Graduates have been successful in gaining high-quality jobs in the discipline of product design engineering. The majority are working in manufacturing companies or design consultancies in the UK and Ireland. Their broad skill sets and experience have enabled them to fit in equally well in both small, dynamic companies and larger organisations.

Graduates have secured jobs in a variety of sectors including automotive, domestic appliances, design consultancy, electronics, packaging, materials handling, polymers, renewables, aerospace and medical devices. Companies employing recent graduates include Glen Dimplex, Dyson, Lotus, Survitec, 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

Further study is also an option – several students have gone on to study for a PhD. The course provides excellent preparation for Doctoral studies within the School, particularly in the areas of advanced materials and manufacturing. A few have chosen to study for a Postgraduate Certificate in Education (PGCE), becoming Technology or Mathematics teachers.



We put emphasis on hands-on, project-based learning and invest heavily in our state-of-the-art facilities and flexible project spaces to support this activity.

Entrance requirements

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

Course information

The Director of Education
School of Mechanical and
Aerospace Engineering
E: mech.aero@qub.ac.uk
T: +44 (0)28 9097 4117
www.qub.ac.uk/mechaero

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.

Work placements in final year

We have offered assessed work placements since 2013 and send over 50 students on placement across the public, private and third sectors every year.

Course 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 are normally taken by all students. These involve lectures, seminars, tutorials and practical laboratory work. The modules cover psychological theory, the application of psychology to everyday life and psychological research.

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.

Students will have the opportunity to do an industrial placement year between stages 2 and 3.

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.

Why Queen's?

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

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

"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

is informing policy makers, developing industry partnerships and ultimately touching on the lives of thousands of individuals.

Facilities: the School has specialised facilities for human experimental psychology, movement and perception, individual differences, social psychology, child development and psychophysiology. 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.



The Insight Programme: our employability programme and optional work placement module has been commended by BPS and our employers. Students now have the opportunity to extend this to a full year paid placement.*

*Depending on the student being able to secure an appropriate placement.

Entrance requirements

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

Course information

The Secretary for BSc Psychology
School of Psychology
E: psychology@qub.ac.uk
T: +44 (0)28 9097 5445
www.psych.qub.ac.uk

Social policy explores how we can improve human wellbeing through tackling intractable social problems and delivering better quality public services. As an applied and critical social science, you will gain knowledge and understanding of contemporary government policies, their impacts, and consider how we can achieve improvements.

Drawing on multidisciplinary ideas from politics, sociology, economics and law, this course helps create highly relevant and versatile graduates with the ability to enter employment at local, national and international levels.

Course Content

Core Social Policy modules studies are:

Year 1

- Introducing Social Policy
- Themes and Issues in Social Policy

Year 2

- Aging and the Life Course
- Welfare in Theory and Practice

Year 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.

Why Queen's?

Award-winning Teaching

Students in the School are educated in a dynamic academic environment by award-winning teaching staff, and in a recent government-sponsored review of research, staff in the School achieved 'world-leading' and 'international excellence' status for the high quality of their research work.

Prizes

The highest achieving students are awarded the Lockheed Prize annually.

Study Abroad

Students have the opportunity to spend time studying in one of our linked universities in Europe.

Careers/Further Study

Social Policy graduates are ideally placed for work in a range of occupations, including the civil service, public services, policy analysis, media, research, teaching, business, the voluntary sector, commerce, marketing and management. Some graduates build on the degree by undertaking postgraduate training in fields such as social work, law, social science research and teaching. Tailored careers advice and study guidance is available to all students throughout their time at Queen's.

Studying for a Social Policy and Sociology degree at Queen's will assist you in developing the core skills and employment related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

The diversity of interests and topics covered in the discipline, plus the wide range of skills it equips you with, means that our students enter a wide range of careers on graduation. These include the public sector (eg social services, education, criminal justice, social work), private sector (eg market research, policy analysis, human resources), and third sector (eg policy analyst, researcher, youth support worker, charity fundraiser). A number of our students also go on to postgraduate study, on a full- or part-time basis.

BA Joint Honours

Social Policy and Sociology 3 yrs (LL43)

See also Criminology and Social Policy 3 yrs (ML94)

Entrance Requirements

BA Criminology and Social Policy

A-level:
ABB

BA Social Policy and Sociology

A-level:
BBB

All applicants: there are no specific subject requirements to study Social Policy.

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

The following is a list of some of the employers that have attracted graduates from the School in recent years:

- Northern Ireland Civil Service
- Northern Ireland Housing Executive
- National Health Service
- Northern Ireland Statistics and Research Agency
- PwC
- Ulster Bank
- Commission for Victims and Survivors NI
- Santander
- Belfast City Council
- Ipsos Mori
- South Eastern Library Board
- REED
- University of Ulster
- Queen's University Belfast

"Social policy offers us as students a unique insight into various realms of social life, such as the family, the judicial system and the health care system. Not only did this subject enable me to understand how these social realms are interconnected, it opened my eyes to the impact they have on the trajectory of my own life, such as how my income will impact on my health outcomes. I was taught by academics that are truly passionate about their field and who set coursework which was exceptionally varied, designed with employability skills in mind."

Erin Delaney, Social Policy and Sociology graduate (2016)

Social Policy is ranked 8th in the UK Top 20 (The Guardian University Guide 2017).

Graduate Careers and Achievements

Many of the School's former graduates have risen to the top of their fields, for example:

- Dr Michael Maguire, Police Ombudsman of Northern Ireland and former Chief Inspector of Criminal Justice in Northern Ireland
- Professor Marie Breen Smyth, Chair of International Politics, University of Surrey
- Dr Eddie Rooney, Chief Executive Regional Agency for Public Health and Social Well-being
- Dr Liz Fawcett, Managing Director and Principal Consultant with Liz Fawcett Consulting
- Dr John Doyle, Executive Dean of the Faculty of Humanities and Social Sciences, Dublin City University

- Paul Burns, former Director of Corporate Services, Arts Council of Northern Ireland

Further Study

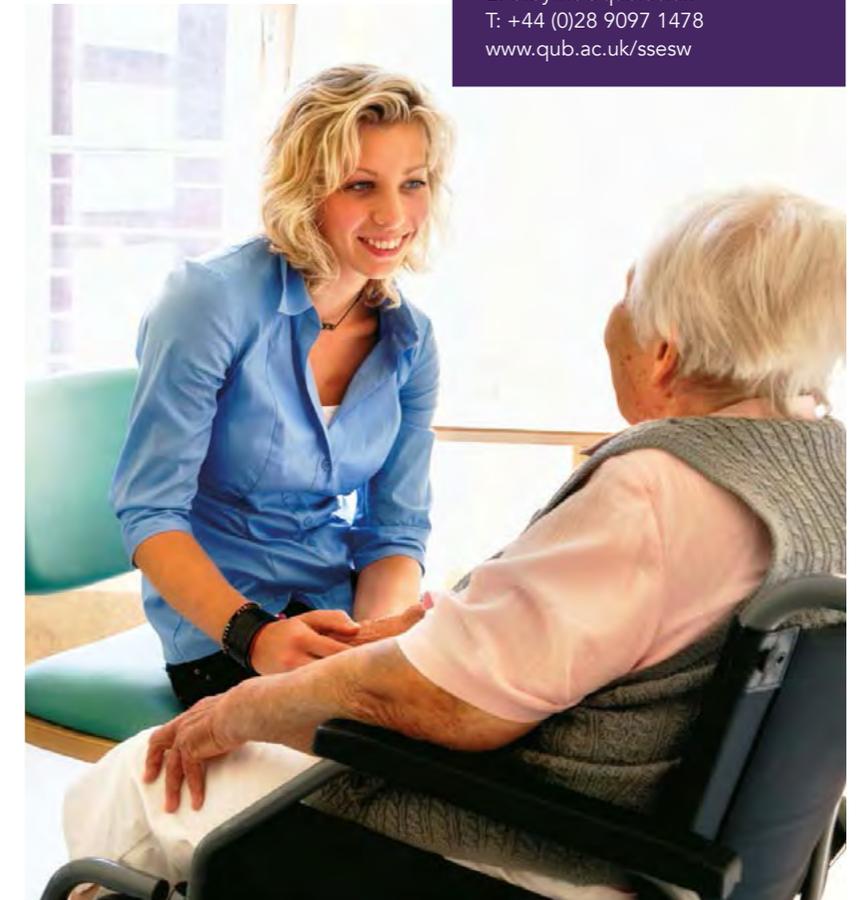
Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

Entrance requirements

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

Course information

Dr Bronagh Byrne, Programme Director for BA Joint Honours Social Policy and Sociology School of Social Sciences, Education and Social Work
E: b.byrne@qub.ac.uk
T: +44 (0)28 9097 1478
www.qub.ac.uk/ssesw



SOCIAL WORK

The BSW degree is a professional qualification in Social Work accredited throughout the UK and recognised in the Republic of Ireland and elsewhere. The programme is a mixture of academic study and assessed practice learning opportunities. Practice learning opportunities involve full-time work in a social work agency (85 days at Level 2 and 100 days at Level 3) supported and assessed by a Practice Teacher. A wide range of social work agency partners are an integral part of the development and delivery of the programme.

Course Content

Modules often draw on international comparisons with a strong Irish (North and South) emphasis. Specialist teaching on the impact of the 'Troubles' is a feature of the BSW degree.

Level 1 (Undergraduate Route)

- Introduction to Social Sciences for Social Work
- Law for Social Workers
- Themes and Issues in Social Policy
- Psychology for Social Work
- Theory, Skills and Preparation for Practice Learning
- Sociology for Practical Learning

Level 2 (Undergraduate Route)

- Social Work in Context
- Research, Policy and Practice
- Social Issues across the Life Course
- Practice Learning Level 2
- Evidence Informed Case Study Level 2

Level 2 (Relevant Graduate Route)

- Introduction to Social Sciences for Social Work
- Law for Social Workers
- Theory, Skills and Preparation for Practice Learning
- Practice Learning Level 2
- Evidence Informed Case Study Level 2

Level 3 (Undergraduate and Relevant Graduate Routes)

- Social Work with Children and Families
- Social Work in Adult Services
- Social Work in Criminal Justice and the Courts
- Practice Learning Level 3
- Evidence Informed Project Level 3

Why Queen's?

Top-ranking

Social Work at Queen's is consistently in the top 10 out of the 74 universities in the UK which provide social work courses.

Professional Accreditations

The Northern Ireland Social Care Council (NISCC) accredits the BSW degree, followed by the Assessed Year in Employment (in Northern Ireland only).

Professional Qualification

Following an Assessed Year in Employment (AYE), graduates will be professionally-qualified social workers.

Funding

There is a non-means-tested financial support package for all Northern Ireland-domiciled students studying in Northern Ireland; for further details and to check your eligibility, please visit the Department of Health website (<https://www.health-ni.gov.uk/>). Please note that all Health and Social Services bursaries are currently under review and may be subject to change.

International Opportunities

There are opportunities whilst on the Social Work degree to participate in summer visits to other countries to explore social work education and practise in an international context, including Germany and the United States.

Prizes

High-achieving students are awarded Brian Rankin prizes annually with a medal presented to the highest achieving graduate each year.

BSW Honours

Social Work (Undergraduate Route)

3 yrs (L500)

Social Work (Relevant Graduate Route)

2 yrs (L501)

Entrance Requirements

A-level:

ABB + GCSE Mathematics grade C or an equivalent qualification acceptable to the University

Graduates: minimum standard 2.2, applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University.

Relevant Graduate Entry: students with a relevant Honours degree (minimum standard 2.2) will be considered for admission to a shortened two-year course leading to the Bachelor of Social Work (BSW) degree. Applicants must have a minimum of a grade C in GCSE Mathematics or an equivalent qualification acceptable to the University.

A relevant degree is deemed to be an Honours degree where at least one third of the course passed at Honours level comprises one or more of the following: Sociology, Psychology, Social Policy/Social Administration; and degrees in Law, Teaching, Nursing, Community Work, Youth Work, Early Childhood Studies or other cognate subjects. Graduates in any other subjects (minimum standard 2.2) who have successfully completed a Postgraduate Certificate in Education (PGCE) will also be considered. The classification of the applicant's degree and employment experience in the social work field are taken into account in the selection process.

All applicants:

1. Because of the professional nature of the course, a satisfactory Access NI check and registration with the Northern Ireland Social Care Council and Independent Safeguarding Authority are required.
2. Applicants are advised to have some experience in employment or voluntary work of a social work nature.
3. Applicants being considered for an offer will be interviewed to assess their suitability for Social Work training. The interview is organised on a regional basis enabling candidates to have a single interview for all Northern Ireland Social Work programmes. The interview process is currently under review for 2018 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



Social Work at Queen's is ranked 10th in the UK in the Complete University Guide 2017.

Careers/Further Study

Studying for a Social Work degree at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline, including social work.

Close Links with Employers

At the heart of the delivery of the degree in social work in Northern Ireland is the sense of partnership between academic institutions, practice learning providers, organisations employing social workers, the Northern Ireland Social Care Council (NISCC), students, and service users and carers. At Queen's this is given expression through a standing committee, the Collaborative Partnership at Queen's (CPAQ).

Employers

We have excellent links with a large number of employers across the statutory, voluntary and community sectors including, for example, Health and Social Care Trusts, the Probation Board Northern Ireland and voluntary organisations such as NSPCC, Barnardos, Bryson House, Women's Aid and Positive Futures, all of whom provide practice learning opportunities to our students.

Our past students have also gained employment with a wide range of organisations such as:

- Health and Social Care Trusts
- NSPCC
- Barnardos
- Positive Futures
- Extern
- Probation Board for Northern Ireland

Graduate Careers and Achievements

Although the majority of our graduates are interested in pursuing careers in social work, some do develop careers in a wide range of other sectors.

Social workers are employed throughout the statutory and voluntary social services. There are many career development opportunities leading to specialist posts and to the highest levels of management within statutory and voluntary social services agencies.

The typical starting salary of graduates six months after graduation is between £21,000 and £22,000 with 90 per cent of graduates finding employment (source: Unistats).

Further Study

Further study is also an option open to social work graduates. Students can choose from a wide range of Master's programmes as well as a comprehensive list of research topics.

"The degree equips students with the knowledge, values and skills required for effective social work practice. We have developed important partnerships with service user and carer organisations across Northern Ireland who assist us in these important aspects of teaching. At a very early stage in the course, students visit these groups in their own community settings as part of their teaching on the real meaning of social work values."

Dr Joe Duffy, Lecturer in Social Work

Entrance requirements

E: admissions@qub.ac.uk

T: +44 (0)28 9097 3838

Course information

Dr Mandi MacDonald,

Programme Director

(Undergraduate Route)

E: m.macdonald@qub.ac.uk

T: +44 (0)28 9097 3179

Dr David Hayes,

Programme Director

(Relevant Graduate Route)

E: d.hayes@qub.ac.uk

T: +44 (0)28 9097 5971

www.qub.ac.uk/ssesw

Sociology is a scientific discipline concerned with the explanation of social life and human behaviour of all kinds. It equips students with the skills to understand the breadth of social practice, ranging from the global (including conflict, security, climate change and social justice) to individual experiences (such as the body, beliefs and mental health). Through theoretical tools and methodological techniques, sociology at Queen's provides students with a unique way of interacting with the world as critical and engaged citizens.

Course Content

Six modules are taken in each of the years. The Sociology team's diverse research interests translate into an exciting and dynamic programme, with opportunities to study a diverse range of subjects, such as:

- Childhood, families and gender
- Conflict, deviance, violence and peace building
- Environmental security
- Health, illness and care
- Inequalities, poverty and social exclusion
- Religion and extremism
- Research methods and data skills (quantitative and qualitative)

In first year, you will learn to think sociologically and explore the sociological imagination using up-to-date research, from studies on Facebook to romance and dating. Our key module Digital Society allows students to critically reflect on the role of technology in our daily lives, from surveillance to "Big Data".

In second year, you will be introduced to classical and contemporary theories, and develop proficiency in quantitative and qualitative research methods. You will gain skills in using the most widely used software, for example, SPSS and NVivo.

In final year, Single Honours Sociology students design and undertake their own research project, under the guidance of a dedicated supervisor. A key aspect of final year is the ability to choose from the specialist Sociology options, reflecting the team's research interests,

from childhood and family through to global citizenship and human rights.

Why Queen's?

Personal Tutor

You will be assigned a personal tutor during induction. This member of academic staff will provide one-to-one support and mentoring throughout your studies at Queen's.

Peer-mentoring Scheme

We offer a peer-mentoring scheme for Sociology students, with the support of staff and the Centre for Educational Development.

Study Abroad

Students have the opportunity to spend time studying in one of our linked universities, including in Spain (Barcelona) and Sweden (Lünd).

Careers/Further Study

Sociology graduates are found in a range of occupations, including management, communication, marketing, careers in the media and publishing, charities and the voluntary sector, healthcare, social services and education. Some of our graduates have worked for Belfast Child, Johnsons Solicitors, Lloyds Banking group or Northern Ireland Housing Executive.

BA Single Honours

Sociology 3yrs (L300)

BA Joint Honours

Criminology and Sociology 3 yrs (ML93)

English and Sociology 3 yrs (QL33)

History and Sociology 3 yrs (VL13)

Social Policy and Sociology 3 yrs (LL43)

See also Social Policy, Social Work and Sociology with Quantitative Methods

Entrance Requirements

A-level:

BBB for BA Single Honours and BA Joint Honours except BA Joint Honours with Criminology for which the requirements are ABB.

All applicants:

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

For students whose first language is not English

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

There is a range of further study options. Within the School, we offer the MRes Master's in Social Science Research, which provides the opportunity to develop and significantly advance skills in research methods, as well as substantive topics and theoretical debates.

Sociology at Queen's was ranked 9th in The Guardian for Sociology, 2016.

Entrance requirements

E: admissions@qub.ac.uk

T: +44 (0)28 9097 3838

Course information

Dr Véronique Altglas
Lecturer in Sociology
School of Social Sciences,
Education and Social Work
E: v.altglas@qub.ac.uk
T: +44 (0)28 9097 3581
www.qub.ac.uk/ssesw

"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) and current postgraduate student (Deborah was also a 2014 Winner of the Lockheed Employees' Prize)



SOCIOLOGY WITH QUANTITATIVE METHODS

This programme combines the curiosity of social inquiry with the quantitative skills required to collect and analyse social data. Students receive tuition in a core social science discipline (Sociology) together with advanced skills in quantitative social research. The degree is a key component of the Queen's Q-Step Centre as it helps to address the critical shortage of quantitatively-skilled social science graduates. The need for such graduates is evidenced in the British Academy's position paper 'Society Counts' which argues that "Well-rounded graduates, equipped with core quantitative skills, are vital if the UK is to retain its status as a world leader".

Course Content

Modules emphasise the development of both practical 'hands on' data skills and traditional academic learning. Students will receive training in both their substantive discipline (Sociology) and in quantitative research design, methods and analysis.

Core quantitative methods modules

Stage 1

- Visualising the social world
- Researching the social world

Stage 2

- Theory counts
- Social identity: differences and inequalities

Stage 3

- Quantitative research project and dissertation
- Researching change across the life course
- Comparing the local and the global

Sociological modules:

- Understanding society
- Introducing social policy
- Sociological imagination
- Digital society
- Development of social theory
- Qualitative research skills
- Comparative social inequalities
- Sociology of childhood
- Contemporary Irish society
- Aging and the life course

Why Queen's?

Unique Opportunity

Queen's is one of only a small group of universities in the UK which, through being part of the Nuffield Foundation/Economic and Social Research Council 'Q-Step Centres' initiative, is offering Sociology combined with Quantitative Methods training. The degree provides unique opportunities to tackle quantitative data analysis in a professional environment through short-term placements provided by a select group of employers.

Bursaries

The School offers a range of bursaries including a number of dissertation awards for undertaking quantitative research. 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 example, this can take the form of a semester's study in Sweden (Lünd) (for which credits are transferred back to your degree here in Queen's), or an intensive two-week international study school in Spain (Barcelona).

Prizes and Awards

The highest achieving students in Sociology are awarded the annual Lockheed Prize. We

BSc Honours
Sociology with Quantitative Methods
3 yrs (L301)

See also Social Policy and Sociology

Entrance Requirements

A-level:

- BBB including Mathematics
- OR
- BBC + AS-level Mathematics grade B
- OR
- ABB + GCSE Mathematics grade B

For students whose first language is not English

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

also support our students entering essays to the annual Undergraduate Awards.

Careers/Further Study

There is a recognised shortage of social scientists trained in quantitative methods to meet the demand from employers across all sectors – business, government, charities and academia. Studying Sociology with Quantitative Methods at Queen's will assist you in developing the core skills and employment-related experiences that are valued by employers.

The diversity of topics covered in the discipline, plus the wide range of research and analytical skills it equips you with, means that our students enter a wide range of careers on graduation. The Economic and Social Research Council's useful guide 'Social Science by Numbers' outlines career options for social science graduates with quantitative skills and includes short biographies of people working in a variety of jobs and sectors:

"You find quantitative social scientists working almost anywhere – as advisors and analysts for governmental and non-governmental organisations, in the pharmaceutical industry and health services, business, agriculture and lobby groups, and as lecturers and researchers in academia."

Further Study

We have a number of Q-Step bursaries (fees only) for the Master's in Social Science Research (MRes).

Queen's is one of only 15 universities across the UK, and the only one in Ireland, that have been funded* as part of Q-Step initiative to promote a step-change in undergraduate quantitative social science training.

*Funded by ESRC, Nuffield Foundation and HEFCE.



"My Q-Step internship at Ipsos Mori gave me the opportunity to apply and develop the knowledge I had gained in the first two years of my degree. I then embarked on a quantitative dissertation in third year. My Q-Step experiences were a contributing factor in my selection for a graduate role at [leading professional service company] PwC."

Amy Abbate,
BA (Hons) Criminology graduate

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

Course information
Dr Andrew Percy, Programme Director for BSc Sociology with Quantitative Methods
School of Social Sciences, Education and Social Work
E: a.percyp@qub.ac.uk
T: +44 (0)28 9097 5261
www.qub.ac.uk/ssesw

SOFTWARE AND ELECTRONIC SYSTEMS ENGINEERING

Much of modern life is based on devices and systems that are built on the interaction between software and electronics. This has fuelled advances in both the everyday, such as games consoles and smartphones, and the specialist, such as surveillance systems, smart vehicles and life-saving medical implants. This is the only computing degree at Queen's which includes the design of computing hardware as well as software.

We are one of the few research-led UK university departments that can offer a truly integrated degree at the fast-moving interface between software and electronics disciplines. Using the example of a mobile phone, normally you need an electronics engineer to design the hardware (physical components of the phone) and a software engineer to write the programs to make it work. Someone with this degree, however, could design the whole mobile phone.

Course Content

BEng

This degree requires three years of full-time study plus an optional sandwich year in industry, which is usually taken after Stage 2, and students may apply for 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. The programme contains the following themes:

Stage 1

- Circuits and Communications
- Design Projects
- Electronics
- Embedded Systems
- Mathematics
- Object-oriented Programming

Stage 2

- Circuits and Control
- Computation Theory
- Database Systems
- Data Structures and Algorithms
- Design Projects

- Electronics
- Embedded Systems
- Mathematics
- Networks and Communications
- Professional Practice
- Signals and Communications
- Software Engineering

Stage 3

- Agile and Lean Software Development
- Concurrent Programming
- Connected Health
- Control Systems Engineering
- Digital Systems Architecture and Design
- Individual Project
- Industrial Project (MEng only)
- Information System Security
- Networks and Communications Protocols
- Professional Studies
- Signal Processing and Communications
- Software Engineering
- Software Testing and Verification

Stage 4 (MEng)

This four or five year extended degree is designed to provide a supply of well-

BEng Honours

Software and Electronic Systems Engineering 3 yrs (GH6P)
Software and Electronic Systems Engineering with a Year in Industry 4-yr SW (GH67)

MEng Honours

Software and Electronic Systems Engineering 4 yrs (GH6Q)
Software and Electronic Systems Engineering with a Year in Industry 5-yr SW (GH68)

Entrance Requirements

BEng

A-level:

BBB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT (not Applied), Physics or Software Systems Development, Technology and Design or Double Award Applied Science.

BTEC Extended Diploma:

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

BTEC Higher National Diploma:

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

MEng

A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Electronics, Further Mathematics, Geography, ICT (not Applied), Physics or Software Systems Development or Technology and Design.

"Software and Electronic Systems Engineering at Queen's gave me the unique opportunity to study both Computer Science and Electronic Engineering modules, both of which I was highly interested in."

Stephen Laide,
Naas, Republic of Ireland
BEng Software and Electronic Systems Engineering
Joint award winner of the Allstate NI Hackathon 2014

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

qualified graduates who will become future industry and business leaders. The first three years are mostly common with the BEng degree and there is an optional sandwich year in industry. The themes include:

- Advanced Software Engineering
- Algorithms Analysis and Application
- Applied Cryptography
- Computer Architecture and Organisation
- Design Project
- High Performance Computing
- Intelligent Systems and Control
- Network Security and Monitoring
- Project
- Real-Time DSP
- Wireless Communications Systems
- Wireless Sensor Systems
- Malware Analysis

Why Queen's?

Facilities: the School has a world-class reputation for research and provides excellent facilities, including access to major research centres in Secure Information Technologies (CSIT), Electronics, Communications and Information Technology (ECIT) and Sonic Arts (SARC).

Scholarships: students may be eligible for scholarships, eg the Schrader Electronics Scholarship and the Civica Scholarship which support at least one student each per year from across a range of the School's subject areas. Both scholarships are worth up to £25k each (see the School website for further information).

Careers/Further Study

Graduates in both software and electronics are highly sought-after locally, nationally and internationally. Graduates of this degree may apply for jobs in software, electronics or those combining both. There are excellent, well-paid career prospects across a wide spectrum of positions: design; research; development; production; marketing and sales in industries such as avionics and space; telecommunications and broadcasting; connected health and medical electronics; consumer electronics and gaming; computing and software; embedded systems and electronic security.

We regularly consult and develop links with a large number of employers including, for example, Civica and Schrader Electronics

Ltd, who provide sponsorship for our students, as well as Liberty IT and Kainos who are members of the employer liaison panel for the degrees.

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



Entrance requirements

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

Course information

School of Electronics, Electrical Engineering and Computer Science

E: eeecs@qub.ac.uk
T: +44 (0)28 9097 5436
www.qub.ac.uk/eeecs

SOFTWARE ENGINEERING

Software is a fundamental part of today's 'digital society', controlling everything from the results that are displayed when you use a search engine, 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.

Course Content

These degrees teach the fundamental principles of Software Engineering, together with the necessary skills, tools and techniques to enable our graduates to embark on careers as professional software engineers. Special emphasis is placed on individual and team-based software development projects in preparation for industry, which contains the following themes:

Year 1

- Programming
- Computer Architecture, Networks and Databases
- Introductory Software Engineering
- Rigorous Problem-solving

Year 2

- Advanced Programming (including Java, C++ and Android)
- Architecture and Networks
- Data Structures, Algorithms and Programming Languages
- Information Modelling
- Software Engineering

Students on a sandwich programme will spend a year on a paid full-time placement. The School has links with over 500 local, national and international employers, eg, BT, Liberty IT, Civica, Kainos (Belfast), IBM (England), Microsoft, Oracle (Dublin), Fujitsu (Japan) and Siemens (Germany), and students are assisted in obtaining placements.

Year 3

- Data Analysis and Visualisation
- Artificial Intelligence and Advanced Data Analytics
- Agile and Lean Software Development
- Advanced Computer Architecture
- Concurrent Programming
- Software Design Principles and Patterns
- Information System Security
- Secure Software Design
- Software Testing
- Software Engineering Project

These advanced modules permit each student to tailor their skills towards one or more areas of software engineering specialism.

BEng Honours

Software Engineering with a Year in Industry
4-yr SW (G604)

MEng Honours

Software Engineering 4 yrs (G602)
Software Engineering with a Year in Industry
5-yr SW (G605)

Entrance Requirements

BEng

A-level:

BBB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

OR

ABB including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 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

A-level:

AAB including Computing, Mathematics or Software Systems Development + GCSE Mathematics grade C

OR

AAA including Chemistry, Digital Technology, GCE A-level ICT (not Single Award Applied ICT), Physics, Technology and Design or Double Award Applied ICT + GCSE Mathematics grade C.

BTEC Extended Diploma:

A relevant computing, engineering or scientific BTEC Extended Diploma with 160 credits at Distinction and 20 credits at Merit + GCSE Mathematics grade C.

All applicants:

Computer Science, Computing and Information Technology and Software Engineering share a common core of modules in the first year, so students may therefore transfer between these degrees at the end of first year, subject to meeting the normal progression requirements.

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

For students whose first language is not English

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

Year 4 (MEng)

This four- or five-year extended degree has been established to provide a supply of particularly well-qualified graduates who will become industry leaders. It has a blend of Software Engineering 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. Stage 4 themes include:

- Advanced Software Engineering
- Algorithms: Analysis and Applications
- High Performance Computing: Principles of Parallel Programming
- Advanced Machine Learning
- Software Engineering Research and Development Project

These advanced modules permit each student to tailor their skills towards one or more areas of software engineering specialism.

Why Queen's?

Industry-led Teaching: emphasis is on professional and practical application of software engineering, and students are encouraged to build strong links with local software engineering companies through employer involvement in projects, lectures and other forms of teaching contact.

Scholarships: due to the high demand for Software Engineering graduates, some 15–20 scholarships are available, including some sponsored by Civica, Citi and Liberty IT, worth up to £25k. All provide a cash stipend each academic year, a guaranteed industrial placement, an opportunity for additional part-time work during the academic year, plus the opportunity of a position on graduation. For further information on these and other scholarships available, see the School website.

Careers/Further Study

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

Our graduates have had unparalleled job opportunities over the years, both locally and internationally. Because of the achievements of Queen's graduates already in the software engineering profession, a Software Engineering degree from Queen's is a highly respected qualification.

The majority of graduates take up posts associated with software design and implementation. The types of career open to Software Engineering graduates include software developer, systems analyst, web designer, games developer, programmer, IT consultant, and project manager, in fields as diverse as finance, games, pharmaceuticals, health care, research, consumer products, and public services – virtually all areas of business.



Entrance requirements

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

Course information

School of Electronics, Electrical Engineering and Computer Science

E: eeecs@qub.ac.uk
T: +44 (0)28 9097 1194
www.qub.ac.uk/eeecs

SPANISH AND PORTUGUESE STUDIES

Spanish and Portuguese is an integrated degree which enables students to gain an in-depth knowledge of two major world languages, and the modules on offer reflect the diversity of cultures in Spanish and Portuguese-speaking countries across the globe. All students follow modules in Spanish and in Portuguese language which are of a broadly communicative nature, focusing on contemporary Spanish/Hispanic and Lusophone social and cultural issues and drawing on authentic materials. The degree takes four years to complete (which includes the study abroad year).

Course Content

Level 1

Students are required to take one core language module in each subject area, the Introduction to Lusophone Studies optional module, and Introduction to Iberian Studies or Introduction to Latin American Studies optional module in the relevant semester.

Core Modules

- Spanish 1 OR Intermediate Spanish OR Spanish for Beginners
- Portuguese 1
- Introduction to Lusophone Studies

Optional Modules

- Introduction to Iberian Studies
- Introduction to Latin American Studies

Level 2

Students are required to take one core language module in each subject area plus two optional modules in the relevant semesters. The Portuguese modules are specially designed for students studying Portuguese and the level has been 'pitched' linguistically to reflect the ab initio access point of entry. Students on this pathway are, therefore, strongly advised to take the Portuguese optional module.

Core Modules

- Spanish 2
- Portuguese 2

Optional Modules

- Issues and Cultures of the US-Mexico borderlands
- Afterlives: Rogues and Mystics of the Spanish Golden Age
- Representations of Lusophone Africa in Postcolonial Cinema
- Spanish Memoirs and Autobiographies
- The Fantastic in Latin America

Year Abroad Modules

- Working and Studying Abroad
- International Placement

Level 3

Students are required to take one core language module in each subject area plus two optional modules in the relevant semesters. The Portuguese modules are specially designed for students studying Portuguese. Students on this pathway are, therefore, strongly advised to take the Portuguese optional module.

Core Modules

- Spanish 3
- Portuguese 3

BA Honours

Spanish and Portuguese Studies 4 yrs (RR45)

In addition, Portuguese may also be studied as part of the following degrees:

Archaeology with Portuguese (BA)

4 yrs (V4R5)

French and Portuguese (BA) 4 yrs (RR15)

International Business with Portuguese (BSc)

4 yrs (N2R5)

See also Spanish Studies

Entrance Requirements

Post A-level Spanish

ABB including A-level Spanish.

Note: for applicants who have not studied A-level Spanish then AS-level Spanish grade B would be acceptable in lieu of A-level Spanish.

Beginners Spanish

ABB + GCSE Spanish grade B or evidence of linguistic ability in another language.

Note: the Beginners option is not available to those who have studied A-level or AS-level Spanish.

For students whose first language is not English

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

Optional modules

- Rewriting Love in the Renaissance
- Identity, Sex and Sexuality in Post-Revolutionary Cuba
- Brazilian digital culture: Trends and Topics
- Failed Romances of Latin American Literature
- Imperfect Heroines: Spanish fiction in the 19th and 20th centuries

Why Queen's?

Global Opportunities

This pathway affords significant opportunities for professional development and training in a global context. After stage 2, you will spend an academic year working or studying in a Spanish- and Lusophone-speaking country (eg a semester in each country as an Erasmus or exchange student at one of our partner universities). Students have the possibility of acquiring valuable professional experience by teaching in a school, undertaking a work placement, or doing voluntary work; they may also elect to study at a Spanish and a Brazilian/Portuguese university.

Industry Links

Graduates of Spanish and Portuguese have risen to the top in a number of fields, including media, print journalism, translating, marketing, local government, fast-stream Civil Service, and a very wide range of local, national and international companies.

Internationally Renowned Experts

Spanish and Portuguese at Queen's has world leading experts in Spanish/Latin American and Brazilian/Portuguese literature and culture. Research in Languages at Queen's was ranked 3rd in the UK in the Research Excellence Framework (REF 2014) for Research Intensity and 5th for Grade Point Average.

Student Experience

Students run a lively Spanish and Portuguese Society, and staff offer support through a personal tutoring system, skills development programme and a structured framework for feedback.

Careers/Further Study

Careers

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

Typical careers pursued by graduates in Spanish and Portuguese can include media and communications, publishing, advertising, education/teaching, translation/interpreting, journalism, PR, fast stream Civil Service, tourism and banking. Graduates are particularly in demand in careers requiring a high level of communication and presentation skills, as well as strong critical and analytical thinking.

Employer Links – Consultations

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council who provide sponsorship for our year abroad placements as well as Rolls Royce, PricewaterhouseCoopers and Moy Park / MARFRIG who are members of the employer liaison panel for the course.

Further Study

Further study is also an option open to graduates of Spanish and Portuguese. Students can continue to our MRes programme, which will be tailored to a student's particular interests, and will involve a combination of guided study and independent research. The MRes can lead on to a PhD programme.

"We are looking for graduates who can be our future leaders who demonstrate qualities of courage, judgement and breadth. Where do we find such qualities? Linguists or arts graduates."

Miles Cowdry,
Director of Global Corporate
Development, Rolls Royce PLC



"Equal time is dedicated to both languages and to time spent in both countries. The highlight of my degree was studying at the University of São Paulo in Brazil during my year abroad. Being able to study at a top Latin American university, in an amazing city with incredible people has been invaluable both to my language skills, and my cultural awareness of a fascinating country."

Jacqueline Gallagher,
Northern Ireland
BA Spanish and Portuguese Studies
Graduate (2014)

Entrance requirements

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

Course information

Dr Gabriel Sánchez Espinosa,
Head of Spanish and Portuguese
Studies
School of Arts, English and
Languages
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T: +44 (0)28 9097 3636
www.qub.ac.uk/ael

SPANISH STUDIES

This degree analyses a wide variety of literary, historical, social, cultural and linguistic aspects of Spanish-speaking countries across the globe. All students follow modules in Spanish language which are of a broadly communicative nature, focusing on contemporary Spanish/Hispanic social and cultural issues and drawing on authentic materials. The degree takes four years to complete (which includes the study abroad year). All our classes are taught in small groups, giving students the opportunity to participate fully in discussions and receive detailed personalised feedback on their work.

Course Content

Level 1 Modules

- Spanish 1 OR Intermediate Spanish OR Spanish for Beginners
- Introduction to Iberian Studies
- Introduction to Latin American Studies
- 5th and 6th modules to be chosen from agreed list

Level 2

Core Modules

- Spanish 2

Optional Modules

- Issues and Cultures of the US-Mexico Borderlands
- Afterlives: Rogues and Mystics of the Spanish Golden Age
- Spanish Memoirs and Autobiographies
- * The Fantastic in Latin America

Year Abroad

- Working and Studying Abroad
- International Placement

Level 3

Core Module

- Spanish 3

Optional Modules

- Rewriting Love in the Renaissance
- Inner Journeys
- Failed Romances of Latin American Literature
- Imperfect Heroines: Spanish fiction in the 19th and 20th centuries

Why Queen's?

Global Opportunities

After stage 2, you will spend an academic year working or studying in a Spanish-speaking country. Students have the possibility of acquiring valuable professional experience by teaching in a school, undertaking a work placement, or doing voluntary work; they may also elect to study at a Spanish university.

Industry Links

Graduates of Spanish have risen to the top in a number of fields, including media, print journalism, translating, marketing, local government, fast-stream Civil Service, and a very wide range of local, national and international companies.

World-class Facilities

Queen's Library has an outstanding collection of resources relating to Spain and Latin America. The Language Centre has state-of-the-art facilities for language learning, and the IT provision more generally is excellent.

Internationally Renowned Experts

Spanish at Queen's has world leading experts in Spanish and Latin American literature and culture. Research in Languages at Queen's was ranked 3rd in the UK in the Research Excellence Framework (REF 2014) for Research Intensity and 5th for Grade Point Average.

Student Experience

Students run a lively Spanish and Portuguese Society, and staff offer support

BA Single Honours

Spanish 4 yrs (R410)

BA Joint Honours

Anthropology and Spanish 4 yrs (LR64)
 English and Spanish 4 yrs (QR34)
 French and Spanish 4 yrs (RR14)
 (see page 190)
 History and Spanish 4 yrs (RV41)
 International Studies and Spanish 4 yrs (LRF4)
 Irish and Spanish 4 yrs (QR54)
 Politics and Spanish 4 yrs (LR24)

In addition, Spanish may also be studied as part of the following degrees:

BA Honours

Archaeology with Spanish 4 yrs (V4R4)

BSc Honours

Accounting with Spanish 4 yrs (N4R4)
 Economics with Spanish 3 yrs (L1R4)
 International Business with Spanish 4 yrs (N1R4)

LLB Honours

Common and Civil Law with Spanish 4 yrs (M2R4)

MSci Honours

MSci Chemistry with Spanish 5 yrs (F1R4)

For Science with a Language/Extended Studies in Europe please see Science entries

Entrance Requirements

Post A-level

A-level: ABB including Spanish for BA Single and BA Joint Honours except BA Joint Honours with 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 BA Single and BA Joint Honours except BA Joint Honours with Anthropology for which the target is BBB + GCSE Spanish grade B or evidence of linguistic ability in another language.

Note: the Beginners' option is not available to those who have studied A-level or AS-level Spanish.

All applicants:

If you plan to study Spanish as a Joint Honours degree or as part of a BSc/LLB/MSci degree you should refer to the subject requirements for the other course.

For students whose first language is not English

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

through a personal tutoring system, skills development programme and a structured framework for feedback.

Careers/Further Study

Studying for a Spanish degree at Queen's will assist students in developing the core skills and employment-related experiences that are valued by employers, professional organisations and academic institutions. Graduates from this degree at Queen's are well regarded by many employers (local, national and international) and over half of all graduate jobs are now open to graduates of any discipline.

The First Destination Survey showed that none of our language graduates were unemployed six months after graduating in 2010. A Higher Education Funding Council report for 2008 also showed that 3.5 years after graduation, languages students have the fourth highest mean salary (after graduates in Medicine, Pharmacy and Architecture).

Although the majority of our graduates are interested in pursuing careers in law, business, banking and translation, significant numbers develop careers in a wide range of other sectors. Typical careers pursued by graduates in Spanish can include publishing, education/teaching, translation/interpreting, PR, fast stream Civil Service, and banking.

Consultations

We regularly consult and develop links with a large number of employers including, for example, Santander and the British Council, who provide sponsorship for our year abroad placements as well as Rolls Royce, PwC and Moy Park / MARFRIG who are members of the employer liaison panel for the course.

Placement Employers

Our past students have also gained work placement with organisations such as the British Council Assistantships Program, Santander Bank, and PwC.

Graduate Careers and Achievements

Many of our former graduates have risen to the top of their fields and include many famous figures, for example:

- Hilary Oliver, Managing Director, Cameo Productions
- Carla Leonard, Business Performance Manager, Barclays
- Nuala McKeever, Comedian
- Niall Donnelly, Reporter, UTV

Further Study

Further study, including Master's programmes, is also an option; see the School website for further information.



Iberian Languages at Queen's was ranked 5th in the UK by the Sunday Times Good University Guide 2016. In the most recent research assessment (REF 2014), Languages at Queen's were ranked 3rd in the UK.

Entrance requirements

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

Course information

Dr Gabriel Sánchez Espinosa, Head of Spanish and Portuguese Studies
 School of Arts, English and Languages
 E: g.sanchez@qub.ac.uk
 T: +44 (0)28 9097 3636
www.qub.ac.uk/ael

STRUCTURAL ENGINEERING WITH ARCHITECTURE

Structural Engineering with Architecture is concerned with the planning, design, construction, sustainability, management, energy use, aesthetics and rehabilitation of the built environment. Fields of activity include architectural design, structures, foundations, building technology, urban space and form and architecture. Structural engineers require not only technical skills, but are also concerned with working in, and managing, multidisciplinary design teams. Structural Engineering with Architecture is one of a family of Civil Engineering degrees at Queen's University Belfast. Civil Engineering was one of the founding degrees at Queen's, making it one of the oldest in the UK and Ireland. Lecturers lead high-quality research, which is reflected in their excellence in teaching.

Course Content

This degree is designed to provide students with a good basis for a professional career, with its emphasis on the application of theory to the practical situation through design, laboratory, field courses and studio work.

Stage 1

Students study the fundamentals of civil engineering theory and practice. This forms the transition from the basic mathematics and sciences studied at secondary level to the application of engineering. At the end of Stage 1 all students take part in a week-long residential surveying field course.

Stage 2

The major knowledge of civil engineering subjects, concentrating on structural analysis, and their application within design are developed. Students are introduced to site layout and design, architectural design and the application of communications in a professional context is further enhanced.

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.

Why Queen's?

Accreditation: this degree is accredited as fully satisfying the educational base for a Chartered Engineer (CEng), see 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

MEng Honours

Structural Engineering with Architecture
4 yrs (H2K1)
Structural Engineering with Architecture with
a Year in Industry 5-yr SW (H2KC)

Entrance Requirements

A-level:

AAB including Mathematics and at least one from Biology, Chemistry, Computing, Digital Technology, Geography, ICT, Physics, Software Systems Development or Technology and Design.

BTEC Extended Diploma:

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

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

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

Option to Transfer: transfers between BEng Civil Engineering degree and this MEng may be possible at the end of Stage 2.

For students whose first language is not English

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



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.

Entrance requirements

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

Course information

Dr V Sivakumar
School of Natural and Built Environment

E: snbe@qub.ac.uk
T: +44 (0)28 9097 4006
www.qub.ac.uk/schools/NBE/

Theology at Queen's offers students the opportunity to explore the breadth of theological thinking, both past and present, and specialise in any area of Theology (Biblical Studies, Systematics, Church History, Practical Theology) or pursue any theme of particular theological interest.

Course Content

Stage 1

Compulsory modules

- From Paradise to the Promised Land: exploring the Pentateuch
- Early Church History
- Introduction to Theological Thinking
- Introduction to Jesus and the Gospels
- Introduction to Pastoral Theology

Optional modules

- Introduction to Biblical Languages or
- Biblical Texts

Stage 2

Students will take a total of 120 CATS at Stage 2, with at least 20 CATS being taken from four of the five groups below. All modules in Stage 2 are 20 CATS.

Note: not all modules are available each year.

Group 1 – Old Testament

- Old Testament Selected Texts
- Old Testament Historical Books
- Biblical Theology

Group 2 – New Testament

- New Testament Epistles A
- Revelation

Group 3 – Theology/Philosophy

- The Christian Doctrinal Tradition
- In Search of the Good Life: Ethics from Plato to Postmodernity
- CS Lewis: Christian author and apologist

Group 4 – Church History

- Christianity in Ireland since the Reformation
- Church History Project: Boyne Valley Fieldtrip

Group 5 – Practical Theology

- Youth Ministry 1
- Study of World Religions
- The Theology and Practice of Pastoral Care

Other optional modules

- Biblical Hebrew Texts
- NT Greek Texts

Stage 3

Students will take a total of 120 CATS. Students are permitted to take up to 40 CATS from Group 1 Independent Research.

Note: not all modules are available each year.

Group 1 – Independent Research

- Placement Theological Reflection
- Dissertation
- Research Project
- Double Dissertation

Group 2 – Old Testament/New Testament

- Old Testament Theology
- Old Testament: The Megillot
- Old Testament Prophetic Texts
- John
- The Epistle to the Hebrews
- Romans

Group 3 – Church History/Theology/Philosophy

- Western Christian Spirituality
- Trends in Modern Theology
- Current Issues in Philosophical Theology
- Church History Fieldtrip to World War I Battlefields
- Oral Church History
- Christianity in the Sixteenth Century
- Christianity in the Nineteenth Century

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.

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

Group 4 – Practical Theology

- Missiology
- The Church, Ministries and Society 3
- Issues in Practical Ecclesiology
- Youth Ministry 2
- Reconciliation Studies 1
- Spiritual Theology for Pastoral Ministry

Group 5 – Biblical Languages

- Aramaic with Set Texts
- Advanced Hebrew

Why Queen's?

Global Opportunities

You will have the opportunity to take part in field trips to Belgium or Italy as well as elsewhere in the UK and Ireland. Erasmus exchanges (typically one semester long) are available in Budapest (Hungary) and Kampen (the Netherlands) or you may avail of the Study USA programme.

Internationally Renowned Experts

By its very nature, and of necessity, Theology is authentically rooted in and focused on its immediate community setting: accordingly, all College staff are experienced and active practitioners in the Irish and British contexts. In addition, some enjoy international recognition and exposure, or have practised/taught or published, in Europe, North America or the developing world.

Student Experience

Theology students gave a 100 per cent overall satisfaction rating for their degree in the most recent National Student Survey results (2016).

Prizes and Awards

Top performing students are awarded a scholarship by the Institute of Theology.

Careers/Further Study

Gaining your degree from Queen's Institute of Theology will put you in a strong position among UK Theology graduates. The excellent standards of our education are recognised by employers who value the quality of our programmes and recognise the skills of our graduates.

Close Links with Employers

Theology at Queen's liaises closely with employers to offer guest lectures and

on-site visits, amongst other activities. Theology students also take part in tailored employability and skills workshops, developed with the Student Guidance Centre.

Skills to Enhance Employability

The analytical and communication skills that are essential to theology are also recognised as important attributes for careers in many other areas, so there are job opportunities in many fields for successful graduates. Holders of a Theology degree will have demonstrated through their studies a capacity for assessing problems, exploring solutions and presenting the results of their work in a variety of media.

Employment After the Course

- Social and community workers
- Teachers (primary and secondary)
- Civil servants
- Lawyers
- Journalists and media commentators
- Christian Ministry
- Youth work

Graduate employers include DEL, PCI, Lloyds Banking Group, Housing Executive, Health and Social Care Trust.

In the most recent National Student Survey (2016), 98 per cent of our Theology students said they were satisfied with the teaching on this course.

Entrance requirements

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

Course information

The Director of the Institute of Theology
E: theology@qub.ac.uk
T: +44 (0)28 9097 3612/3656
www.qub.ac.uk/ithe/



ZOOLOGY

Zoology is the study of animals, from the simplest invertebrates to the largest land or marine mammals. Simple animals often provide models for the study of higher, more complex species (including humans) and help drive basic research that transcends the subject boundaries. Animals interact with each other and with their environment, forming complex relationships such that zoologists need a broad understanding of the living world, life processes and the animal kingdom. Exciting progress is being made in animal biology and behaviour, animal health and welfare and in the management of animal communities, making this the perfect time to study Zoology.

Course Content

The BSc in Zoology at Queen's aims to provide students with a broad coverage of the biology of animals and how they interact with other living organisms.

Stage 1

- Biodiversity
- Molecular Basis of Life
- The World of Microorganisms

This module combination provides students, who may be undecided as to their final specialist degree area, with considerable flexibility as they enter Stage 2; at this stage students enrolled in Zoology can move into Marine Biology or Biological Sciences.

Stage 2

- Animal Behaviour
- Animal Biology and Physiology
- Cell Biology 2 OR
- Cell Biology 1
- Ecology and Evolution
- Microbes in Action
- Work Placement (16 weeks, excluding Professional Studies programmes)

Year Out (Professional Studies programmes only)

All students will spend a minimum of 46 weeks in a work placement during which they will carry out some project type work. Students will begin preparations for the placement in the first semester of Stage 2 and the placement will be assessed within the module Professional Studies

Stage 3

- Conservation Biology
- Future Oceans
- Global Change Biology
- Immunology and Virology
- Parasitology and Zoonoses
- Research Project (BSc students only)

During third year, Zoology BSc students undertake a two-module research project, carried out under the supervision of one or more members of academic staff.

Stage 4

- Research Project (MSci students only)

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.

Why Queen's?

Student Experience

Students can complete an optional 16-week work placement period as a component of Stage 2, or choose to complete a year out (BSc/MSci Zoology with Professional Studies). Past students have gained work placement within organisations such as Northern Ireland Environment Agency, Castle Espie, National Trust, North Atlantic Whale Foundation, Ulster Wildlife Trust, Health Service, and many more.

BSc Honours

Zoology 3 yrs (C300)
Zoology with Professional Studies 4-yr SW (C301)

MSci Honours

Zoology 4 yrs (C302)
Zoology with Professional Studies 5-yr SW (C305)

Entrance Requirements

BSc

A-level:

BBB including Biology and at least one from Chemistry (preferred), Geography, Mathematics or Physics + GCSE Chemistry grade C or GCSE Double Award Science grades CC + GCSE Mathematics grade C
OR

BBB including Double Award Applied Science + 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 entry to the MSci, both at initial offer-making stage and when results are received.

All applicants:

It would be an advantage to have studied Chemistry beyond GCSE level.

Option to Transfer: transfers between BSc and MSci may be possible at the end of Stage 2.

For students whose first language is not English

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

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.

Careers/Further Study

Graduates are qualified to take up both scientific and non-scientific careers. These positions encompass areas of innovative research and development of new products, advisory and consultancy work, particularly in companies or organisations concerned with animal and plant health, environmental management, pharmaceutical products and biotechnology.

Graduates pursue careers in teaching, nature conservation and laboratory-based posts in biomedical, industrial, pharmaceutical, academic and government institutions as well as in universities and colleges of higher education. The remainder undertake further training in areas such as computing, administration and management or medicine (human or veterinary), developing their skills from a sound scientific background. Further training also helps them to find employment in a variety of non-biological careers, including public service

administration, industrial management, accountancy and computing.

Employers are looking for graduates with generic skills of communication, problem-solving, data analysis, social skills, a range of interests and a record of success. We believe that a degree in Zoology will help our students to develop these skills.

Career Services

The School of Biological Sciences employs a dedicated careers adviser who has developed an extensive portfolio of employers, both nationally and internationally, within the science sector. Advice is also provided on CV preparation, interview techniques and securing summer work or longer placements.

Placement Employers

Our past students have also gained work placement with organisations such as:

- Northern Ireland Water Ltd
- Environment Agency
- Forensic Service
- Moy Park
- North Atlantic Whale Foundation
- National Trust
- Randox Laboratories
- Norbrook Laboratories Ltd
- The Almac Group

Further Study

Many students complete higher degrees, either in the UK or overseas, before embarking on a career in medical, agricultural and environmental research. Students can choose from a wide range of Master's programmes at Queen's, as well as a comprehensive list of research topics.

Zoologists at Queen's have the opportunity to avail of the strong international links with Universities in South Africa, America and Canada. In addition there is the opportunity to volunteer or carry out projects at many international sites including an elephant sanctuary in Thailand.

"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
BSc Zoology Graduate (2014) and recipient of a Society of Biology award, 2014

Entrance requirements

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

Course information

Dr Nikki Marks, Reader
School of Biological Sciences
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This publication is also available in alternative formats on request, including large print, Braille, tape, audio CD and Daisy CD. For further information, please contact the University's Marketing, Recruitment, Communications and Internationalisation team on t +44 (0)28 9097 2586.

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Visit our online Course Finder
go.qub.ac.uk/coursefinder

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Get in touch

OPEN DAYS

To get a taste of Queen's, visit our Open Days. 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

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

International students should contact the International Office
t: +44 (0)28 9097 5088
e: 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

KEY DATES

WELCOME WEEK
17 – 21 September 2018

AUTUMN SEMESTER
24 September – 14 December 2018

CHRISTMAS VACATION
17 December 2018 – 4 January 2019

SPRING SEMESTER
7 January – 29 March 2019

EASTER VACATION
8 – 26 April 2019

ASSESSMENT AND DEVELOPMENT
29 April – 31 May 2019

KEY CONTACTS

Undergraduate Admissions Inquiries

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e: admissions@qub.ac.uk
w: qub.ac.uk/ado

General Undergraduate Inquiries

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International Student Support

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Student Finance

t: +44 (0)28 9097 3223 (Helpline)
e: qub.ac.uk/TuitionFees

Queen's Accommodation

t: +44 (0)28 9097 4525
e: accommodation@qub.ac.uk
w: stayatqueens.com

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This prospectus is published annually and therefore represents the course structure at the time of publication (February 2017).

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