



University  
of Glasgow

# UNDERGRADUATE PROSPECTUS 2021

WORLD  
CHANGERS  
WELCOME



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**ONE OF THE  
TOP 100  
UNIVERSITIES  
IN THE WORLD**

**29,000  
STUDENTS  
FROM MORE  
THAN 140  
COUNTRIES**

**IN THE TOP  
5 OF THE  
RUSSELL  
GROUP FOR  
STUDENT  
SATISFACTION  
(NSS 2019)**

**A MEMBER OF  
THE RUSSELL  
GROUP OF  
RESEARCH-  
INTENSIVE UK  
UNIVERSITIES**

**FOUR-YEAR  
DEGREE  
PROGRAMMES  
OFFERING  
FLEXIBILITY  
& CHOICE**





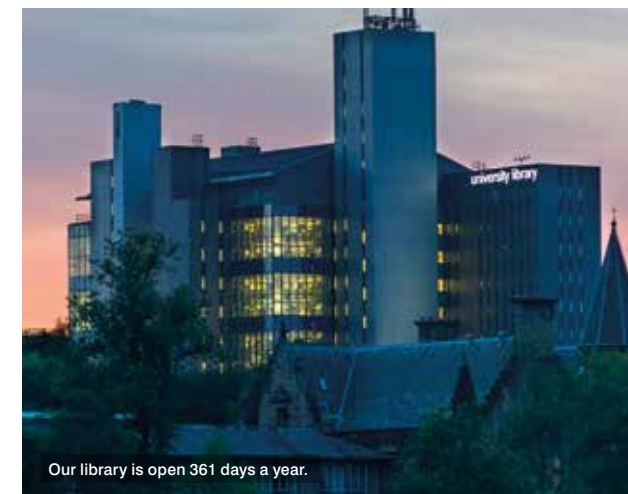


**ESTABLISHED  
IN 1451**

Our stunning Gilbert Scott Building dates from 1870.



Our iconic Cloisters have appeared in many films and TV shows.



Our library is open 361 days a year.

## OUR CAMPUSES

### Gilmorehill campus

Our main Gilmorehill campus is based in the West End of the city, within easy reach of the city centre by public transport or on foot. It's a compact, campus-style environment with all the benefits of being in a major city.

Gilmorehill is home to the majority of our teaching and research facilities and will soon be expanded as part of our £1 billion campus development programme to include a mix of research, teaching and public spaces.

At the centre of the campus lies the stunning Gilbert Scott building, with an iconic bell tower that is one of Glasgow's most notable landmarks.

On this campus we have great indoor sports facilities including a 25m swimming pool, two student unions, our museum and art gallery and an enormous library over 12 floors.

And as we're right in the heart of the West End, the campus is surrounded by shops, cafes, bars, restaurants, supermarkets and a cinema.

### Garscube campus

Spanning 200 acres at the north-west boundary of the city lies our beautiful Garscube estate, just four miles from the University's Gilmorehill campus.

Garscube is home to the School of Veterinary Medicine, our Wolfson Hall of Residence and outdoor sports facilities which include both grass and synthetic pitches.

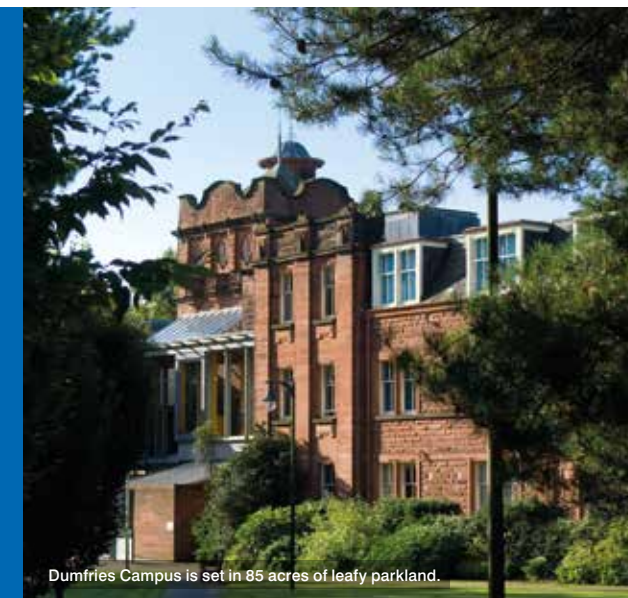
### Dumfries campus

The University of Glasgow at Dumfries offers three undergraduate programmes through the School of Interdisciplinary Studies.

- Environmental Science & Sustainability
- Health & Social Sector Leadership
- Primary Education with Teaching Qualification

Dumfries campus is a rural campus in south-west Scotland with a close-knit student community and proximity to hiking and cycling trails, rivers and lochs, and amazing views from places such as the Criffell on the Solway Coast, The Devil's Beef Tub in Moffat and Galloway Forest Park.

With excellent transport links, the rest of the UK is within easy reach: Glasgow and Edinburgh are less than two hours away, while Carlisle is under an hour.



Dumfries Campus is set in 85 acres of leafy parkland.



# LIFE AT GLASGOW

Follow us on Instagram  
@UofGlasgow for an insight into student life



♥ Q ▼  
Saturday night's alright in Ashton Lane



♥ Q ▼  
Working hard in UofG library



♥ Q ▼  
World's friendliest people



♥ Q ▼  
Night at the Museum



♥ Q ▼  
Honorary 'Dogtorate'



♥ Q ▼  
'Doon the watter'



♥ Q ▼  
Summer days in Kelvingrove Park



♥ Q ▼  
#TeamUofG all the way



♥ Q ▼  
Oh so twinkly cloisters



♥ Q ▼  
Travelling to uni in style



♥ Q ▼  
Future world changer



♥ Q ▼  
A land for all seasons



♥ Q ▼  
Soaking up the rays



♥ Q ▼  
Best. Day. Ever.



♥ Q ▼  
'Woohoo' dissertation submitted



♥ Q ▼  
Peeking down the road



♥ Q ▼  
Music is in the air



♥ Q ▼  
Bloomin' lovely



♥ Q ▼  
Welcome to #TeamUofG



♥ Q ▼  
Autumn feels



♥ Q ▼  
Gus, the UofG sporting legend



**WE ARE  
RANKED 2ND  
IN THE RUSSELL  
GROUP FOR  
TEACHING**  
(NSS 2019)



Dr Ian Shaw is a senior lecturer in Geography.

## YOUR LEARNING ENVIRONMENT

From the moment you start your studies at Glasgow, you'll be taught by dedicated and passionate academics in a flexible and innovative learning environment.

To help you develop the ability to direct your own learning, you will experience a range of teaching methods.

- Lectures are large sessions led by a lecturer, which give a foundation for gathering information about your subject.

- Tutorials are smaller group meetings led by a tutor, which offer in-depth analysis of lecture information.
- Seminars are larger group sessions that allow for more intensive discussions.
- Practicals or laboratories are hands-on sessions where you will develop subject-related skills.
- Fieldtrips and placements help you develop and extend practical skills with a focus on group projects, data collection, problem solving and presentations.

### Maximise your skills

We have advisers who can help you develop your academic skills by offering classes and one-to-one consultations on essay writing, exam preparation, and Maths and Statistics support.

See [glasgow.ac.uk/leads](http://glasgow.ac.uk/leads).

### Library

Open daily from 7.15am to 2.00am with online access 24/7, our library has one of the largest collections in Europe.

See [glasgow.ac.uk/library](http://glasgow.ac.uk/library).



New styles of teaching focus on active learning, where students can interact with one another.

## Revolutionising your teaching and learning

We're creating a campus to inspire the next generation of world changers. A 14-acre site beside our main campus is being developed with a planned total investment of £1 billion. Our flagship James McCune Smith Learning Hub is the first building to be delivered through our campus development programme, with completion due by summer 2020.

The £90m building will include flexible learning spaces and technology-enabled teaching resources. As well as increasing our teaching capacity, this modern study space will offer flexible spaces for clubs and societies, conferences and events, becoming the student-focused heart of the campus.

- Round-the-clock access
- Capacity for 2,500 students
- 500-seat lecture theatre
- Interactive teaching spaces
- Cafe

See [glasgow.ac.uk/explore](http://glasgow.ac.uk/explore).



## OVER 50 SPORTS CLUBS FROM AMERICAN FOOTBALL TO WAKEBOARDING

[glasgow.ac.uk/sport](http://glasgow.ac.uk/sport)



Students from our main student bodies celebrate the start of a new semester.

### Be active

At UofG Sport, we know how much staying fit and active can help your studies and university experience. Our programmes are designed for you and are flexible enough to fit around your schedule.

UofG Sport membership includes access to

- Over 350 group exercise classes each month
- Revolve, our award-winning indoor cycling studio
- Pulse cardio suite with fully interactive equipment
- PowerPlay strength suite, a premier conditioning facility
- 25m swimming pool with six lanes
- Sauna and steam rooms
- Squash courts and sport halls
- Tennis courts, exercise studios, six grass and two synthetic football pitches and a cricket oval.

See [glasgow.ac.uk/sport](http://glasgow.ac.uk/sport).



## LIFE BEYOND THE BOOKS

### Get involved

Joining student clubs and societies is a great way to learn new skills and make friends. The Students' Representative Council (SRC) offers more than 250 clubs and societies, from a Charity Fashion Show to TEDx to Physics, as well as over 40 volunteering opportunities.

Explore the possibilities at [glasgowstudent.net](http://glasgowstudent.net).

### Choose from two unions

Queen Margaret Union hosts new music, local bands, big-name acts, student-run club nights and a variety of events from quizzes to open mic nights and a spoken word night. It is also home to two catering outlets.

See [qmunion.org.uk](http://qmunion.org.uk).

Glasgow University Union has everything a student needs within the stunning old Union building and purpose-built extension nightclub, with no fewer than nine bars, two libraries, a debating chamber, snooker and pool hall, convenience store, two cafes and a coffee shop.

See [guu.co.uk](http://guu.co.uk).



**CHOOSE FROM  
MORE THAN 180  
DESTINATIONS  
ACROSS THE  
GLOBE**



Veronika completed a traineeship in Cadiz, Spain.

## GLOBAL OPPORTUNITIES

### Go abroad for up to a year

In 2018, 26% of our graduates completed part of their degree in another country. Courses taken overseas through our exchange programme form part of your degree without adding an extra year or semester, and there are many additional benefits.

We currently have over 120\* partners across Europe and more than 80 international partners across the world.

\*This may change once the UK has exited the EU.

Where and when you can go depends on the subject you study but it is possible to go abroad with most degree programmes. Our study exchange programme is usually for a semester or a full year, and some students are able to complete a work placement abroad. Most students who go abroad do so in their third year of study.

We also offer short-term opportunities such as summer schools abroad and other international activities via our network of partners.

### You don't need to speak a foreign language

Many of our partners teach in English. You can also take free language classes to prepare for your time abroad as part of our Learn a Language Initiative.

### Students with a disability

We welcome applications from students with a disability and work with colleagues from the Disability Service to prepare and support disabled students for going abroad.



## Reasons to go abroad

- Work or study abroad as part of your degree: no need for a gap year
- Develop a new perspective on your studies
- Explore the world and develop a more international outlook
- Expand your intercultural awareness and competences
- Build an international network
- Gain skills and experiences that will enhance your CV
- Travel to new and amazing places
- Learn a language

Remember there are no additional tuition fees and you get support and recognition for your time abroad through the programme.

Find out more at [glasgow.ac.uk/students/goabroad](http://glasgow.ac.uk/students/goabroad).



## CHAT TO CURRENT STUDENTS ABOUT LIFE AT GLASGOW

[glasgow.ac.uk/askastudent](http://glasgow.ac.uk/askastudent)



Wolfson Hall of Residence is located on our Garscube Campus.

### Accommodation

Accommodation Services are here to help you find a suitable place to live and, providing you've applied for residence and met the conditions of your offer of study before 22 August, we guarantee a place in one of our university residences.

Benefits include

- an excellent way to make new friends and the opportunity to share accommodation with other University of Glasgow students
- round-the-clock access to trained University Living Support staff
- membership of the University's sport facilities included in your fees
- 24/7 internet access incorporating wi-fi in all rooms
- 39-week contracts offered instead of 44-week contracts offered by private providers
- bed linen provided at all residences
- personal contents insurance included
- managed on-site laundry facilities.

To find out more, see [glasgow.ac.uk/accommodation](http://glasgow.ac.uk/accommodation).

### Taigh na Gàidhlig

Tha sinn a' toirt cothrom do dh'oileanaich aig a bheil Gàidhlig, fuireach ann am flat ri chèile airson na bliadhna acadaimigich. 'S e cothrom air leth a tha seo do luchd-labhairt na Gàidhlig a bhith stèidhichte ann an àrainneachd Ghàidhlig fad bliadhna air àrainn an Oilthighe.

### Gaelic Language Residency Scheme

Taigh na Gàidhlig is a unique residency scheme offering Gaelic-speaking students the opportunity to live together on campus in a Gaelic environment for the academic year.

Find out more at [glasgow.ac.uk/gaelic](http://glasgow.ac.uk/gaelic).

## SUPPORT ALONG THE WAY

### The Students' Representative Council

The Students' Representative Council provides high-quality, impartial advice on a range of welfare and academic issues, in addition to a Welcome Point, second-hand bookshop, and printing and binding services.

See [glasgowstudent.net](http://glasgowstudent.net).

### Student Services

Our Student Services Enquiry Team is here to help you make the most of your time at Glasgow. We can help with everything from the registration process to support with welfare and pastoral issues.

See [glasgow.ac.uk/students](http://glasgow.ac.uk/students).

### Careers Service

We can help you to find work experience and advise you on getting your dream job. Support includes one-to-one guidance from professionally trained managers, access to thousands of potential employers for work experience, internships and jobs, and training and coaching in job-hunting techniques including CV building.

See [glasgow.ac.uk/careers](http://glasgow.ac.uk/careers).



**WE WELCOME STUDENTS FROM OVER 140 COUNTRIES**



Outside the Fraser Building is a popular place for students to hang out.



Glasgow has many green spaces, including Kelvingrove Park situated right next to our main Gilmorehill Campus.

## WELCOMING THE WORLD

### Meet us in your own country

Members of our International Recruitment team travel throughout the world to attend exhibitions, offer information sessions and interview candidates. We also have staff based in America, China, India, Indonesia, Nigeria and Singapore, who are there to assist international applicants. To find out where we will be visiting and for contact details of our in-country resident staff, see [glasgow.ac.uk/international](http://glasgow.ac.uk/international).

### International student support

Our International Student Support team can give you advice on any concerns you may have prior to arrival, including immigration, working regulations and finance.

Once you arrive, the team will be on hand to offer advice and support, including access to a full orientation programme in September and January to ensure you settle in as smoothly as possible.

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

### International Summer School

International high school students have the opportunity to join our Pre-University International Summer School, choosing from Medicine, Veterinary Medicine and Life Sciences.

Undergraduate students studying at any university in the world may choose to spend their summer at Glasgow attending one of our International Summer Schools.

Courses range from 1 to 8 weeks, across a variety of subjects and disciplines, and are credit bearing. See [glasgow.ac.uk/iss](http://glasgow.ac.uk/iss).

### Glasgow International College

If you're an international student but not quite ready to study at Glasgow, our partner institution, Glasgow International College, can help you to achieve the required standards for admission to the University. If you successfully complete a foundation programme at the required level, you can progress directly to the second year of a degree programme in business, engineering, science or social sciences.

See [glasgow.ac.uk/gic](http://glasgow.ac.uk/gic).



There's a range of different study spaces in our library.

## Improving competence in English

Our minimum English language proficiency level for degree-level study is

- IELTS (Academic) 6.5 (with no sub-test less than 6)
- TOEFL iBT: 90; with sub-tests no less than: Reading: 20; Listening: 19; Speaking: 19; Writing: 23
- C1 Advanced (formerly Cambridge Certificate of Advanced English): 176 overall; no sub-test less than 169
- C2 Proficiency (formerly Cambridge Certificate of Proficiency in English): 176 overall; no sub-test less than 169
- PTE Academic (Pearson Test of English, Academic test): 60; no sub-test less than 59.

We provide courses to help you reach a proficiency level equivalent to the required IELTS score through our English for Academic Study (EAS). Pre-session EAS courses can last 5–36 weeks depending on your entry level.

For more information, see [glasgow.ac.uk/eas](http://glasgow.ac.uk/eas).



**TIME OUT NAMED  
GLASGOW 1ST FOR  
FRIENDLINESS AND  
AFFORDABILITY (2019)**



Ashton Lane, a lively cobbled lane next to the University which is packed with bars, restaurants and a cinema.



Kelvingrove Park, on the banks of the River Kelvin next to the University.



Buchanan Street, part of Glasgow's Style Mile.

## PEOPLE MAKE GLASGOW

### West End

The University's main campus is nestled within Glasgow's cosy and cultural West End, home to bohemian Byres Road and the Instagrammable Ashton Lane. Both of these are great spots to explore, with plenty of student-friendly bars and restaurants.

### Shopping

Glasgow is a shopper's paradise, with the city catering for all tastes and budgets. From the biggest high street brands to vintage wares, from one-off speciality stores to exclusive designer gear – you will find it all in Glasgow.

### Museums and art galleries

Glasgow has over 20 fantastic museums and galleries, where visitors of all ages can enjoy one of the richest and most varied collections in Europe. Special mention to The Hunterian, which is located on campus and home to one of the largest collections outside the national museums.

### Parks

With a name meaning "Dear Green Place" in Gaelic, the city has over 90 parks and gardens to explore, with many housing some of the city's top attractions. So whether you're looking for a tranquil spot

to study, a beautiful viewpoint of the city, or even somewhere to spot a Highland cow, you'll be spoilt for choice.

### Sports

Glasgow is synonymous with sport. In fact, the city recently won the award for the world's "Best Small City for hosting sporting events" (SportBusiness International, 2018).

As successful co-host of the 2018 European Championships, the city is now looking ahead to hosting duties for UEFA EURO 2020.

See [peoplemakeglasgow.com](http://peoplemakeglasgow.com).



The SSE Hydro is the world's second-busiest arena venue, behind New York's Madison Square Gardens (Pollstar).

## Music and nightlife

As the UK's first UNESCO City of Music, Glasgow is a place where music is not simply confined to the four walls of venues – it's the beating heart of the city. Each winter, Glasgow welcomes an array of international artists for the Celtic Connections festival showcasing traditional folk, roots and world music.

Our top picks are

- Barrowland Ballroom
- King Tut's Wah Wah Hut
- SWG3
- SSE Hydro.

### Eating out

Glasgow has an ever-evolving food and drink scene, with options to suit all tastes and pockets. The Finnieston neighbourhood (next to the University) is considered the city's "foodie quarter" with a brilliant mix of cool, quality and affordable venues. Glasgow is also recognised as one of the UK's most vegan-friendly cities.



# SCOTLAND IS THE MOST BEAUTIFUL COUNTRY IN THE WORLD

(Rough Guides 2017)



The Three Sisters, Glencoe.



Camusdarach beach, Arisaig, Scottish Highlands.

## GATEWAY TO SCOTLAND

### Outdoor activities

Scotland's land and coast were made for exploration and adventures. From world-class watersports and walking, to cycling and mountain climbing, the possibilities for getting active in Scotland's magnificent great outdoors are endless.

### Beaches

You'll find some of the UK's most spectacular beaches dotted along Scotland's entire coastline.

Whether you decide to take part in watersport activities or just go for a relaxing walk, keep your eyes peeled for marine life in the waters and seabirds flying overhead.

### Attractions

Scotland is filled with attractions to suit every taste and budget, including iconic castles, world-class museums and galleries, fascinating heritage sites and beautiful gardens.

### Film and TV locations

Scotland has played a starring role on the big and small screen, as the filming location for top films and TV shows including *Outlaw King*, *1917*, *Skyfall*, *Outlander*, *Harry Potter* and upcoming *The Batman*. In fact, the University itself is frequently used as a filming location and as a result will host the first major academic *Outlander* conference in June 2020. See [visitscotland.com](http://visitscotland.com).



Knockengoroch is a world music festival held annually in south-west Scotland.

## Our top 5 events in Scotland

### Hogmanay

No other nation celebrates the New Year quite like Scotland. Ring in the bells at traditional and unique events like Edinburgh's Hogmanay, Inverness's Red Hot Highland Fling, Stonehaven's Fireballs, Biggar Bonfire and The Kirkwall Ba' Game in Orkney.

### TRNSMT Festival

Hosted in Glasgow, TRNSMT is Scotland's biggest music festival. Welcoming 150,000 fans across one incredible weekend, it attracts some of the biggest artists in the world. Previous years have seen the likes of Arctic Monkeys, Radiohead, The Killers, Stormzy, Queen & Adam Lambert and George Ezra perform.

### Edinburgh Festivals

Over the summer, seven spectacular festivals take place in Scotland's capital including the world-famous Fringe, the largest arts festival in the world.

### Burns Night

Scotland celebrates its National Bard, Robert Burns, every year on and around 25 January. Special events include the Burns An' A' That Festival across Ayrshire but it's likely you'll find "haggis, neeps and tatties" on the menu in most Scottish eateries up and down the country.

### Highland Games

Experience Scottish culture and traditions at over 70 events across the country, taking place between May and September.



## YOU CAN GET FURTHER INFORMATION ABOUT ADMISSION TO THE UNIVERSITY ON OUR WEBSITE

See [glasgow.ac.uk/admissions](https://glasgow.ac.uk/admissions)

Students studying in the library.

# HOW TO APPLY

### How do I apply?

If you are seeking full-time study you must apply through the Universities & Colleges Admissions Service (UCAS).

See [ucas.com](https://ucas.com).

### What do I need to apply?

You'll need academic qualifications, a personal statement and a reference. For some specific degree programmes you may also need to

- come to an interview or audition
- sit an admissions test
- provide evidence of relevant work or voluntary experience.

If English is not your first language, you will normally need to provide evidence of your English language skills through suitable qualifications.

### When do I apply?

UCAS closing dates for 2021 are:

- 15 October 2020 if applying to Dentistry, Medicine, Veterinary Medicine or applying to Oxford or Cambridge
- 15 January 2021 for all other degree programmes for UK/EU students
- 30 June 2021 for all other degree programmes from international (non-EU) students

### How soon will I receive a decision?

We respond to all applications as soon as possible. For UK students we will normally respond by no later than 31 March 2021. If we can make you an offer, you will receive either an unconditional or conditional offer.

### Is deferred entry possible?

Dentistry and Veterinary Medicine are unable to consider deferred entry. In other cases it may be possible but it is not granted automatically. Contact our Admissions team for information.

### Is advanced entry possible?

If you attain exceptional entry grades you may be considered for advanced entry (start at year 2) or faster route (condense a four-year Honours degree into three years). If you are interested you should apply for year 2 (Y2) on your UCAS application. Availability varies by subject and if it is unavailable or your application is unsuccessful you will automatically be considered for year 1 without having to submit a separate UCAS application.

### Is part-time study possible?

You may be able to study MA and some BSc programmes part-time. See [glasgow.ac.uk/admissions](https://glasgow.ac.uk/admissions) for more information.

## Entry requirements definitions

### What is the difference between standard and adjusted SQA entry requirements?

SQA Higher entry requirements can be met from qualifications completed in S4, S5 and S6. The S5 minimum indicates the minimum grades that you must have obtained at the end of S5 to be considered for an offer.

SQA Higher adjusted entry requirements are used to make offers if you meet our Widening Access eligibility criteria (see page 22). Requirements can be met from qualifications completed in S4, S5 and S6. An offer is guaranteed if you meet our criteria and have the potential to meet all academic and additional entry requirements.

### Will you consider my SQA Advanced Highers?

SQA Advanced Highers can be considered instead of a Higher for all degree programmes except Medicine, Dentistry and Veterinary Medicine. An A or B grade in an Advanced Higher can be considered as equivalent to an A grade at Higher; a C grade in an Advanced Higher can be considered as equivalent to a B grade at Higher.

You require Highers/Advanced Highers across four distinct subjects. Highers and Advanced Highers in the same subject will be considered providing your academic profile covers the requisite number of subjects.

### What subjects do you accept as a relevant Humanities or Science subject?

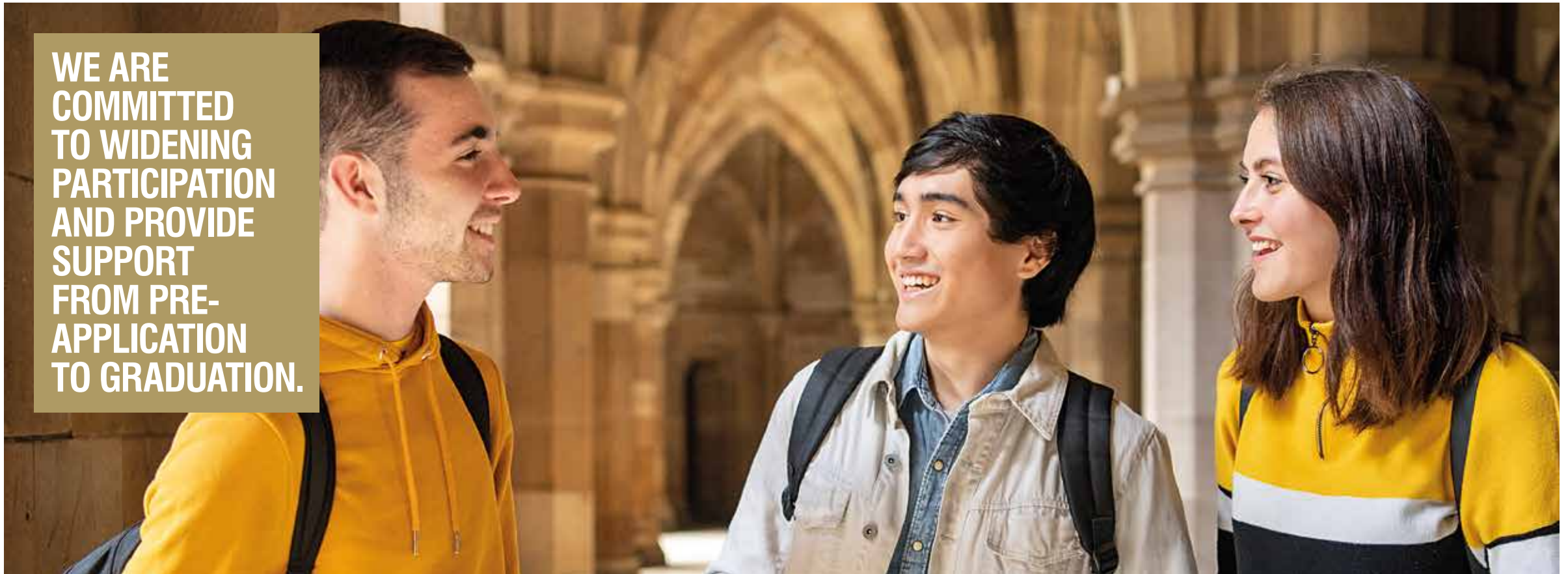
Details on the Higher, Advanced Higher, A-level and IB Higher and Standard level subjects that we can accept as an appropriate Humanities or Science subject can be found at [glasgow.ac.uk/ug/entryrequirements](https://glasgow.ac.uk/ug/entryrequirements).

### Does my offer change if I apply for Joint Honours?

The additional requirements listed on individual programme pages are required for both Joint Honours subjects.



**WE ARE COMMITTED TO WIDENING PARTICIPATION AND PROVIDE SUPPORT FROM PRE-APPLICATION TO GRADUATION.**



## WIDENING PARTICIPATION

We believe everyone should have an equal chance of entry regardless of background or life circumstance. On an individual basis, we consider any circumstances which may have prevented you from meeting our standard entry requirements.

We guarantee to make you an adjusted offer if you meet one or more of the eligibility criteria below, have successfully completed a pre-entry programme and achieve our adjusted entry requirements, plus any additional requirements.

### Eligibility criteria

- You live in a specified Scottish postcode area
- You have care experience
- You are estranged from family and living without family support
- You are a carer.

### School learners

You may be considered for an adjusted offer if you do not meet the above criteria, but are seeking asylum in the UK or have refugee status.

Our Pre-entry programmes for learners in schools include

- Top-Up
- Summer School
- Reach
- Access to a Career
- Taster Week
- Sutton Trust Summer School.

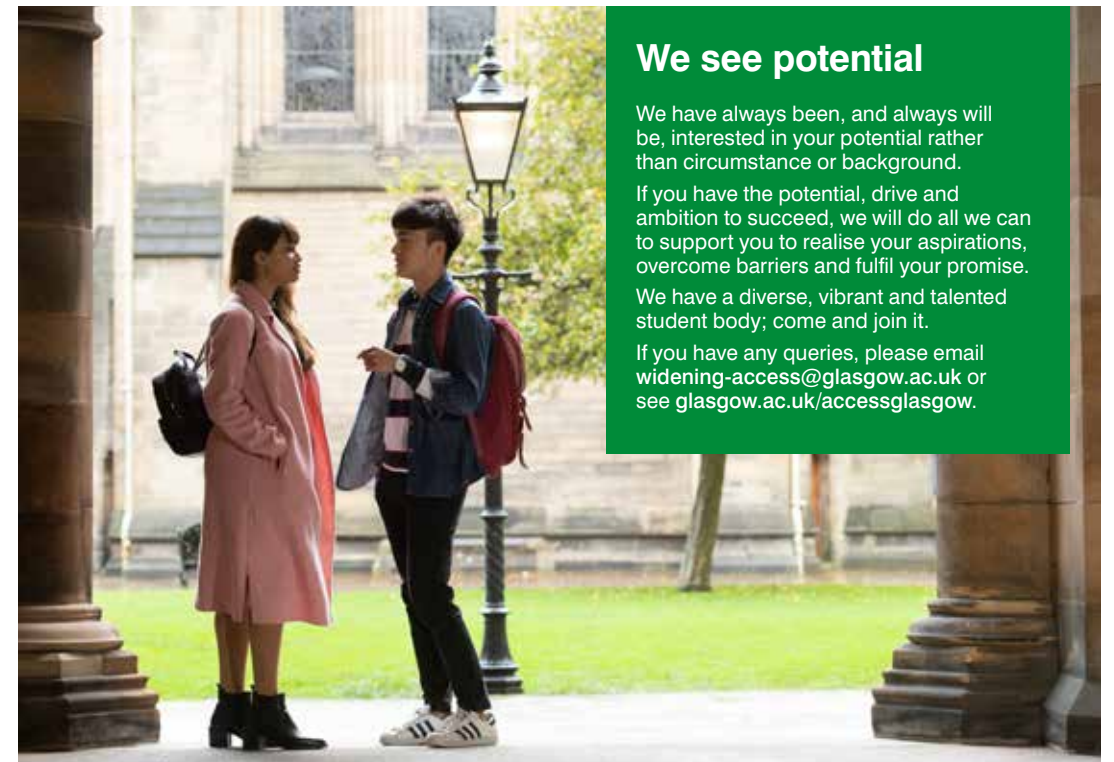
We may also accept successful completion of a comparable Pre-entry programme at another university if you have not completed one of the above.

### College learners

Higher National Certificates (HNCs) and Higher National Diplomas (HNDs) may allow you to enter either year 1 or 2 of a degree at Glasgow. We run bespoke HNC courses for some subjects, in partnership with some FE Colleges, which guarantee entry to year 2 if successfully completed. Details can be found in the Higher National Qualifications section at [glasgow.ac.uk/ug/entryrequirements](http://glasgow.ac.uk/ug/entryrequirements).

### Adult learners

Programmes include UofG Access Courses ([glasgow.ac.uk/access](http://glasgow.ac.uk/access)) and Scottish Wider Access Programme (SWAP) Access Courses (taught in FE Colleges) ([scottishwideraccess.org](http://scottishwideraccess.org)).



### We see potential

We have always been, and always will be, interested in your potential rather than circumstance or background.

If you have the potential, drive and ambition to succeed, we will do all we can to support you to realise your aspirations, overcome barriers and fulfil your promise.

We have a diverse, vibrant and talented student body; come and join it.

If you have any queries, please email [widening-access@glasgow.ac.uk](mailto:widening-access@glasgow.ac.uk) or see [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow).



# FEES, COSTS & SCHOLARSHIPS

## Tuition fees

How and when you pay tuition fees depends on where you're from. We provide up-to-the-minute information about our tuition fees and how to pay at [glasgow.ac.uk/study/fees](http://glasgow.ac.uk/study/fees).

## Cost of living\*

### Average cost per month of living in self-catered accommodation

Accommodation	£550
Food	£180
Clothes	£70
Travel in Glasgow	£40
Laundry/stationery etc	£30
Telephone/internet	£40
Entertainment	£120
<b>Total</b>	<b>£1,030</b>

### Additional costs per year

Books	£400
UK travel	£300
<b>Total</b>	<b>£700</b>

## Support

We believe academic excellence should be supported. If you want to join us as an undergraduate, you'll be pleased to know there's a wide range of financial help available to you.

This includes bursaries and scholarships for students who

- have demonstrated excellent academic achievement
- are facing financial hardship
- are talented athletes
- have spent time in care or who will be studying without family support
- are staying in the UK on humanitarian grounds and are facing challenges in progressing to higher education.

## More information and options

There are many potential sources of financial support available. For the latest information see [glasgow.ac.uk/scholarships](http://glasgow.ac.uk/scholarships).

\*The living costs quoted are not related to funding requirements for entry clearance. At the time of going to press, UK Visas and Immigration (UKVI) states that Tier 4 visa applicants planning to study outside London must demonstrate that they have funds to cover living costs for up to a maximum of nine months (depending on the length of the course) at £1,015 per month. For up-to-date information on entry clearance requirements, see [gov.uk/tier-4-general-visa](http://gov.uk/tier-4-general-visa).

## EU students

As you'll be aware, the UK exited the European Union on 31 January 2020. The UK and Scottish Governments will confirm the immigration process and fee status for EU nationals wishing to study in the UK from 2021 onwards. Please be aware that this may mean the introduction of undergraduate tuition fees.

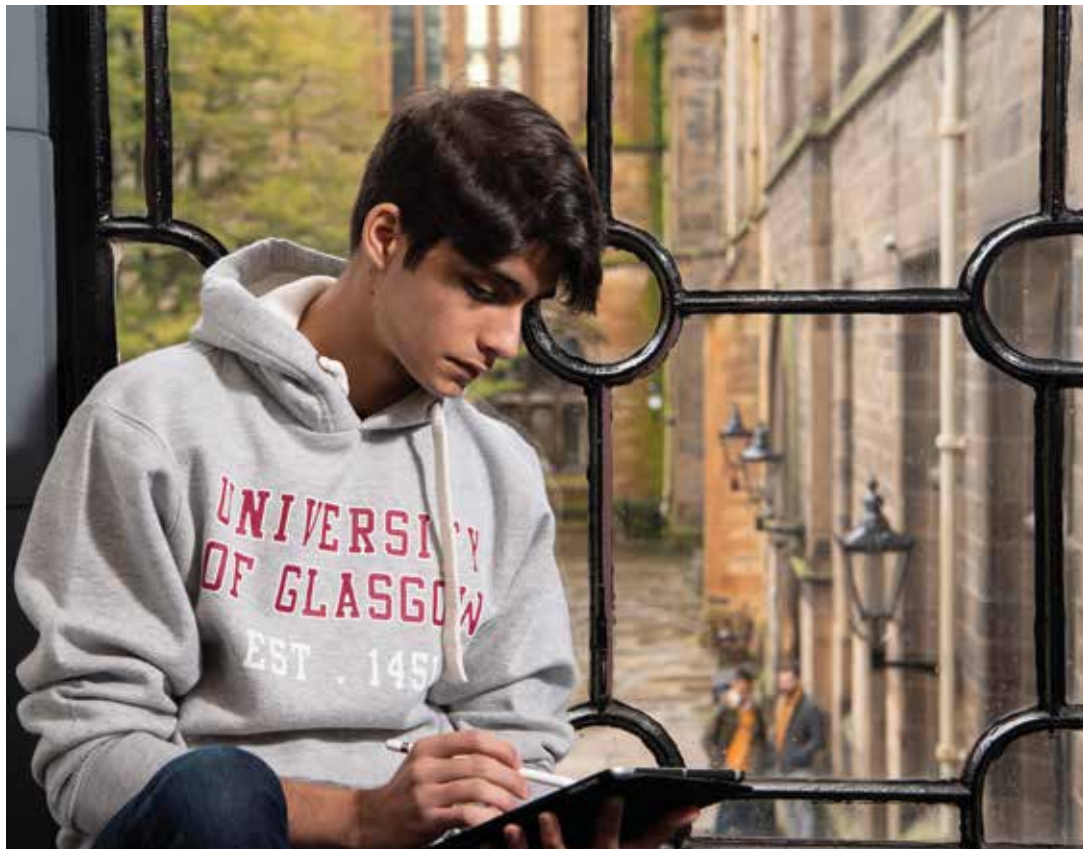
We appreciate that uncertainty is unsettling but please be assured that the University of Glasgow is a proudly international institution, committed to being open and welcoming to students from all nations. We will continue to offer you the widest possible opportunity to study and succeed at Glasgow and very much value the contribution of our EU staff and students.

For up-to-date information, advice and guidance as decisions are made, please see [glasgow.ac.uk/study/eu](http://glasgow.ac.uk/study/eu).



Our staff are here to help.





# CHOOSING YOUR DEGREE

## Professional degrees

- Bachelor of Accountancy (BAcc)
- Bachelor of Dental Surgery (BDS)
- Bachelor of Divinity (BD)
- Bachelor of Engineering (BEng)
- Bachelor of Finance (BFin)
- Bachelor of Laws (LLB)
- Bachelor of Medicine, Bachelor of Surgery (MBChB)
- Bachelor of Music (BMus)
- Bachelor of Nursing (BN)
- Bachelor of Veterinary Medicine & Surgery (BVMS)
- Master of Design & Technology Education (MDTechEd)
- Master of Education (MEduc)
- Master of Engineering (MEng)

These degrees follow a set curriculum to meet the requirements of the relevant professional organisation so that you can enter your chosen profession after you graduate.

## Flexible degrees

- Bachelor of Science (BSc)
- Master of Arts (MA)\*
- Master of Arts (MA) (Social Sciences)\*
- Master in Science (MSci)

BSc, MA and MA (SocSci) degrees normally take four years. MSci degrees normally take five years. Degrees which involve a modern language take five years to complete because they include a language year abroad.

If you apply to these degree programmes, you'll be offered a flexible degree structure which, in most cases, means that you are not committed to a completely prescribed selection of subjects from the outset of your degree.

All MA, MA (SocSci), BSc and MSci students are normally required to study three subjects in year 1. For most Single Honours degrees, there will be one compulsory subject; for most Joint Honours degrees, there will be two compulsory subjects.

Students will be guaranteed enrolment in any subject that is compulsory for the degree that they entered on their UCAS form. At the point of enrolment (September), Single Honours students will select two additional subjects and Joint Honours students will select one additional subject from a wide range of options.

See the table opposite or view our guidance videos for help with your degree subject choice: [glasgow.ac.uk/degreestructure](http://glasgow.ac.uk/degreestructure).

## Flexible degree path examples

### Example of BSc Single Honours degree path

(A Joint Honours BSc is also possible on this path with two subjects studied in both years 3 and 4.)

#### Year 1

Study three different subjects. Please note that you must meet the entry requirements for ALL of your subjects of interest.

CHEMISTRY LEVEL 1 + GEOLOGY LEVEL 1 + BIOLOGY LEVEL 1

#### Year 2

Continue two subjects to level 2.

CHEMISTRY LEVEL 2 + GEOLOGY LEVEL 2

#### Years 3 & 4

You'll study your degree subject(s) (Single or Joint Honours) exclusively from year 3 onwards.

CHEMISTRY LEVELS 3 & 4

#### Honours Degree Destination

BSc with Honours in Chemistry

### Example of MA Joint Honours degree path

(An MA Single Honours is also possible on this path with one subject studied in both years 3 and 4. The MA (SocSci) Joint Honours degree programme follows a similar format.)

#### Year 1

Study three different subjects. Please note that you must meet the entry requirements for ALL of your subjects of interest.

ARCHAEOLOGY LEVEL 1 + GEOGRAPHY LEVEL 1 + CLASSICS LEVEL 1

#### Year 2

Continue two subjects to level 2 and choose another.

ARCHAEOLOGY LEVEL 2 + GEOGRAPHY LEVEL 2 + PHILOSOPHY LEVEL 1

#### Years 3 & 4

Specialisation in two chosen subjects in the final two years.

ARCHAEOLOGY LEVELS 3 & 4 + GEOGRAPHY LEVELS 3 & 4

#### Honours Degree Destination

MA with Honours in Archaeology & Geography

## Progression to Honours level

Being admitted on a particular UCAS code does not mean that you will automatically progress to Honours level in that subject or subjects. In most cases, a decision will be made at the end of year 2 (or sometimes year 3) about

whether you can progress to Honours level. Decisions about progression will be based on your academic performance during your first two years. The entry threshold to Honours varies by School/College and may change on a year-to-year basis.

\*At Glasgow (and the other three ancient universities in Scotland), an Honours level degree in the Arts is called a Master of Arts (MA) and an Honours level degree in the Social Sciences a Master of Arts (Social Sciences). These should not be confused with the Master of Arts offered by some universities in England, which refers to a postgraduate qualification.



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English Literature	64
Film & Television Studies	67
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Greek	77
History	79
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Scottish Literature	119
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# WHAT CAN I STUDY?





## ACCOUNTANCY & FINANCE

Accountancy is the process by which financial information about a business is recorded, classified, summarised, interpreted and communicated.



### BAcc: Four years

The BAcc is offered in five variants.

- Accountancy (N400)
- Accountancy with Finance (N4N3)
- Accountancy with International Accounting (N401)
- Accountancy with Languages (N4T9)
- Accountancy/Economics (LN14)

### Year 1

The Accounting profession course will provide a flavour of the profession you hope to work in after graduation. You will be introduced to the theory and practice of financial accounting, management accounting and finance. You will learn about the processes of accounting and the structure and development of accounting statements, budgeting and management control within organisations, as well as the nature of the financial markets. You will also study economics and management.

### Year 2

You will concentrate on the regulatory framework of accounting practice, standard setting, the use of cost information and the provision of information for decision making and the operation of the financial markets. You will also study business law, taxation and statistics.

### Years 3 and 4

You will study advanced financial accounting and audit. You will also complete a dissertation, an extended piece of personal research on a topic of your own choice guided by a member of academic staff.

### Summary of entry requirements for Accountancy & Finance

#### SQA Higher Entry Requirements (by end of S6)

AAAAAB (ABBB S5 minimum for consideration)

Additional requirements: Higher Mathematics and Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABBB – BBBBB

Additional requirements: Higher Mathematics and Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAA – ABB

Additional requirements: A-level Mathematics and GCSE English Grade B/5.

#### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL Mathematics and SL English 5.

For detailed entry requirements see [glasgow.ac.uk/ug/accountancy](http://glasgow.ac.uk/ug/accountancy).

### Career prospects

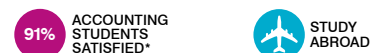
The BAcc provides many career opportunities besides the accounting profession itself. The study of accountancy and finance is a firm foundation on which to base careers in business management and the financial services sector. The analytical and communication skills that are essential to accounting and finance are also recognised as important attributes for careers in many other areas. Our recent graduates have been employed by PwC, KPMG, Grant Thornton, Alexander Sloan, Cigna, Deloitte, Royal Bank of Scotland, Credit Suisse, EY and Morgan Stanley.

### Why choose Glasgow?

A major benefit is our use of guest speakers. These professionals will offer you the opportunity to discuss issues and learn from their experience. This is possible due to the high reputation our degree enjoys among the accountancy profession.

## ACCOUNTING & MATHEMATICS

Accounting is the process of collecting, measuring, analysing and communicating information to aid decision making within business and other organisations. Mathematics incorporates successful explorations of numerical, geometrical and logical relationships.



### BSc (Hons) (NG4C): Four years

#### Note

Although you will not be a qualified accountant when you graduate, this degree offers exemption from some professional accountancy exams.

### Years 1 and 2

You will take courses in:

- Economics
- Finance
- Financial accounting
- Management accounting
- Mathematics
- Statistics.

### Years 3 and 4

Students who qualify for Honours (years 3 and 4) will take a range of core and optional courses including:

- Algebra
- Mathematical methods 1
- Metric spaces and basic topology
- Advanced financial accounting practices
- Audit theory and practice.

In fourth year you will also undertake a research project/dissertation, usually supervised within the School of Mathematics and Statistics, although a limited number of projects will be supervised by the Adam Smith Business School.

### Summary of entry requirements for Accounting & Mathematics

#### SQA Higher Entry Requirements

BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and a Higher Science subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher Mathematics and a Higher Science subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Mathematics.

#### IB Standard Entry Requirements

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics.

For detailed entry requirements see [glasgow.ac.uk/ug/accountingmathematics](http://glasgow.ac.uk/ug/accountingmathematics).

### Career prospects

The financial sector, locally and throughout the UK, actively recruits graduates skilled in all aspects of mathematics, and a significant number of our Honours graduates find employment in the commercial sector, in insurance, accounting, finance or banking.

Our recent graduates have been employed by PricewaterhouseCoopers, Grant Thornton, Alexander Sloan, Cigna, Deloitte, Royal Bank of Scotland and Credit Suisse.

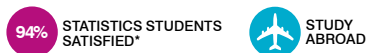
### Why choose Glasgow?

This degree offers exemptions for some professional accountancy exams.



## ACCOUNTING & STATISTICS

Accounting is the process of collecting, measuring, analysing and communicating information to aid decision making within business and other organisations. Statistics is concerned with the drawing of objective conclusions from investigations where outcomes are subject to uncertainty or variability.



### BSc (Hons) (GN34): Four years

*Note*  
Although you will not be a qualified accountant when you graduate, this degree offers exemption from some professional accountancy exams.

### Years 1 and 2

You will take courses in:

- Economics
- Finance
- Financial accounting
- Management accounting
- Mathematics
- Statistics.

### Years 3 and 4

Students who qualify for Honours (years 3 and 4) will take a range of core and optional courses, including courses in accounting and statistics.

In fourth year you will also undertake a dissertation supervised within the Adam Smith Business School.

### Summary of entry requirements for Accounting & Statistics

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.  
Additional requirements: Higher Mathematics and a Higher Science subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB  
Additional requirements: Higher Mathematics and a Higher Science subject. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB  
Additional requirements: A-level Mathematics.

**IB Standard Entry Requirements**  
36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)  
Additional requirements: HL Mathematics.

For detailed entry requirements see [glasgow.ac.uk/ug/accountingstatistics](http://glasgow.ac.uk/ug/accountingstatistics).

### Career prospects

The financial sector, locally and throughout the UK, actively recruits graduates skilled in all aspects of statistics, and a significant number of our Honours graduates find employment in the commercial sector, in insurance, accounting, finance or banking.

Our recent graduates have been employed by PricewaterhouseCoopers, Grant Thornton, Alexander Sloan, Cigna, Deloitte, Royal Bank of Scotland and Credit Suisse.

### Why choose Glasgow?

This degree offers exemptions for some professional accountancy exams.

## AERONAUTICAL ENGINEERING

Aeronautical engineering is about how aircraft are designed, constructed and powered, how they are used and how they are controlled for safe operation.



BEng (H415): Four years  
MEng (H410): Five years

You will study the same courses in the first three years whether you are on the BEng or MEng degree programme.

### Year 1

In your first year, you will take courses in aeronautical engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

### Years 2 and 3

In year 2 you will study fluid mechanics, dynamics, aeronautical engineering, thermodynamics and mathematics. In year 3 you will learn about the design of aircraft. You will begin to analyse and understand aircraft behaviour, aircraft performance and propulsion systems, and perform detailed analysis of aircraft structural components.

### Years 4 and 5

In year 4 you will begin to deal with some of the advanced concepts in aeronautics, including the study of composite materials, aeroelasticity, high-speed aerodynamics, fluid dynamics, flight dynamics and control theory.

BEng students undertake an individual project to solve a problem in aeronautical engineering. MEng students undertake an interdisciplinary team project.

In year 5 MEng students learn about aircraft handling qualities, aircraft operations, and advanced structural analysis techniques.

Half of this year is devoted to project work, which can be carried out in industry, within the university or via a placement abroad. A range of optional courses are available in years 4 and 5.

### Summary of entry requirements for Aeronautical Engineering

**SQA Higher Entry Requirements**  
BEng: AABB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*  
MEng: AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

**BEng: AABB**  
Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

**BEng: AAB – BBB**  
**MEng: AAA – ABB**  
Additional requirements: A-level Mathematics and Physics or Technology and Design.

**IB Standard Entry Requirements**  
**BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)**  
**MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)**  
Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/aeronauticalengineering](http://glasgow.ac.uk/ug/aeronauticalengineering).

### Career prospects

Our graduates have been employed by organisations such as Williams F1, Nuclear Decommissioning Authority, the RAF, Fluid Gravity Engineer, Rolls-Royce plc and the Met Office.

### Why choose Glasgow?

You'll take part in practical laboratories, including running a jet engine test, and a flight-testing course in a Jetstream aircraft during year 5 of the MEng.



## AEROSPACE SYSTEMS

Aerospace systems focuses on the design and use of onboard systems found on most aircraft and spacecraft, and how these systems may be used to improve the operation and performance of aerospace vehicles.



**BEng (H402): Four years**  
**MEng (H401): Five years**

You will study the same courses in the first three years whether on the BEng or MEng degree programme.

### Year 1

In your first year, you will take a wide-ranging curriculum which includes courses in aerospace engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

### Years 2 and 3

You will concentrate on aerospace dynamics, aeronautical engineering, electronics and systems, electrical circuits and mathematics. There will be a focus on developing key software programming skills.

### Years 4 and 5

In year 4 you will study topics including flight simulation, aerospace vehicle guidance and control, radio and radar, dynamics, aircraft handling qualities and aircraft operations.

BEng students undertake an individual project to solve a problem in aerospace systems. MEng students undertake an interdisciplinary team project.

MEng students in year 5 learn about aircraft handling qualities, aircraft operations, and advanced control concepts. Half of this year is devoted to project work, which can be carried out in industry, within the University or via a placement abroad. A range of optional courses are available in years 4 and 5.

### Summary of entry requirements for Aerospace Systems

#### SQA Higher Entry Requirements

**BEng:** AABB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*  
**MEng:** AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### BEng: AABB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### BEng: AAB – BBB

##### MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

#### IB Standard Entry Requirements

##### BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

##### MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/aerospacesystems](http://glasgow.ac.uk/ug/aerospacesystems).

### Career prospects

The development of new aircraft and the increase in the complexity of aircraft systems fuel the demand for aerospace systems engineers, with opportunities in the fields of software and hardware design, simulation and expert systems. Past graduates have gained employment with companies such as QinetiQ, Logica, BAE Systems, Thales and Unisys.

### Why choose Glasgow?

You'll take part in practical laboratories, including running a jet engine test, and a flight-testing course in a Jetstream aircraft during year 5 of the MEng.

## ANATOMY

Anatomy is the scientific study of the human body in relation to its function.



**BSc (Hons) (B110): Four years**  
**MSci: Five years**

#### Note

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study other subjects in years 1 and 2.

### Year 2

You will develop your knowledge of fundamental aspects of biology. You will then be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you meet the requirements for progress to Honours (years 3 and 4), you will take courses that will provide you with a more detailed understanding of human anatomy, histology and embryology. You will also study the related physiology, pharmacology and pathology. You will gain hands-on laboratory experience of techniques including human dissection, histology and light and electron microscopy, and molecular techniques.

In year 4 a major component of your studies is to complete an independent research project. You will also study some anatomical topics in more depth, in areas such as clinical applied anatomy, problems in mammalian reproduction and advances in lower limb anatomy.

You can take Anatomy as an MSci, which includes an additional placement year between the third and final years of the degree, normally spent doing research in industry or a research institute in the UK or overseas.

The list of final-year optional courses is subject to change each year. Places on particular optional courses may be limited.

### Summary of entry requirements for Anatomy

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### AAB – BBB

Additional requirements: A-level Biology or Chemistry.

#### IB Standard Entry Requirements

##### 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/anatomy](http://glasgow.ac.uk/ug/anatomy).

### Career prospects

Our graduates are employed in biomedical laboratories (in both industry and hospitals), forensic science, the paramedical services, publishing and teaching. Many continue in postgraduate training, or become graduate entrants into Medicine or Dentistry.

### Why choose Glasgow?

You'll benefit from access to state-of-the-art facilities and a dedicated Anatomy Museum, all housed in the Anatomy Building.



## ANCIENT HISTORY

Ancient history involves the study of the history and culture of Greece, Rome and the wider Mediterranean between the 8th century BC and the 5th century AD with the opportunity to learn Latin and ancient Greek if you wish.



**MA (Hons) (V160): Four years**

Joint Honours available; see page 136.

### Year 1

In year 1 you will study the history and culture of archaic Greece and republican Rome, using a wide variety of source material, including buildings, coins and artefacts and literary works such as epic poetry and plays alongside historical texts.

**You will also study other subjects in years 1 and 2.**

### Year 2

In year 2 you will study the history and culture of classical Greece and of imperial Rome. Alongside the historians Thucydides and Tacitus, the texts you read may include Plato's philosophy, the *Aeneid* of Virgil and the ancient novel.

It is possible to take any of these pre-Honours courses in an online format as an alternative to the traditional face-to-face courses, for greater flexibility.

### Years 3 and 4

You will choose from a wide variety of options in ancient history driven by the research strengths and interests of members of staff. These could include, for example, courses in Ancient medicine, Ancient technology in context, Athenian democracy, From the Gracchi to Sulla, The Roman historical imagination, Greek religion, Cleopatra, and The fall of the Roman Empire. You will write a dissertation on a topic of your choosing, and you will also design and implement a study visit to Greece or Italy. There is also the opportunity to start or continue study of Latin and/or Greek.

### Summary of entry requirements for Ancient History

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/ancienthistory](http://glasgow.ac.uk/ug/ancienthistory).

### Career prospects

In recent years our graduates have found employment as teachers, civil servants, administrators, librarians, archivists and experts in museums and galleries.

#### Why choose Glasgow?

You will have the opportunity to visit archaeological sites and museums in Italy and Greece as part of your programme.

## ARCHAEOLOGY

Archaeology is the study of how people in the past interacted with their world, through a detailed study of their objects, sites, monuments and landscapes.



**MA (Hons) (V400): Four years**

**BSc (Hons) (V402): Four years**

Joint Honours available; see page 136.

### Year 1

You will study the social and cultural development of Scotland from the end of the last Ice Age until the modern era. You will also explore issues involved in the presentation, interpretation and relevance of the past in contemporary society.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will study the archaeology of Europe and the Mediterranean, which introduces key research themes. You will also be introduced to concepts, theories and practical skills and techniques of archaeology.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you can choose courses that explore key themes in landscape, digital practice, material culture and heritage, as well as studies of specific periods and areas such as British prehistory, Celtic and Viking archaeology, historical archaeology, contemporary archaeology, the Near East and Eastern Mediterranean, public archaeology and archaeological science.

You will also complete a dissertation based on an original piece of research and undertake a range of practical work based on your own excavation and fieldwork experiences.

You will also be able to take part in current staff research projects including survey and excavation as well as archaeological archives and collection-based projects, and gain personal work experience in various heritage and museum organisations through our network of placement providers.

### Summary of entry requirements for Archaeology

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/archaeology](http://glasgow.ac.uk/ug/archaeology).

### Career prospects

Many of our graduates find employment in the cultural heritage sector, and employers, from banking and law to business and tourism, value the transferable skills that an archaeology degree offers such as teamworking, practical problem solving and critical analysis.

#### Why choose Glasgow?

You will have the opportunity to gain practical fieldwork skills in the UK and also abroad. Recent students have worked in the Baltic states, Cyprus, Finland, France, Germany, Greece, Iceland, Italy and Portugal.



# ASTRONOMY

Astronomy is the study of the physical universe, from the Earth and the solar system to galaxies at the edge of the cosmos.



**BSc (Hons): Four years**  
**MSci: Five years**

*Note*  
Astronomy can only be taken as a Joint Honours degree with either Physics or Mathematics. See page 136 for UCAS codes.

## Year 1

You will survey the observable universe on all scales – from planets through stars and galaxies to cosmology – and gain a basic understanding of the core theoretical and observational principles of modern astronomy.

**You will study mathematics in years 1 and 2 and, for joint degrees with Physics, you will study physics in years 1 and 2.**

## Year 2

You will study key aspects of astronomy and astrophysics in greater depth and undergo further training in the use of optical and radio telescopes.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) Astronomy can only be taken as a Joint Honours degree with either Physics or Mathematics. In Honours your studies will include modern observational methods and you will undertake project work using advanced astronomical instrumentation and data analysis techniques. Your core courses will be supplemented by options enabling you to follow your particular areas of interest. All courses include training in transferable skills such as teamwork, presentation and technical writing. In the final year, all students work on an independent research project embedded in one of the school's active research groups.

There is an opportunity to take an MSci degree, which explores astronomy topics in greater depth and includes an individually supervised project working at the cutting edge of international research.

## Summary of entry requirements for Astronomy

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.  
Additional requirements: Higher Mathematics and Physics.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB  
Additional requirements: Higher Mathematics and Physics. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB  
Additional requirements: A-level Mathematics and Physics.

**IB Standard Entry Requirements**  
36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)  
Additional requirements: HL Mathematics and Physics.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/astronomy](http://glasgow.ac.uk/ug/astronomy).

## Career prospects

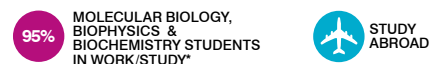
The scientific knowledge and mathematical and analytical skills you acquire will equip you to work across a wide range of industries. Many of our graduates choose to continue their studies for a higher degree such as an MSc or a PhD in a specialised area of astronomy, or a related subject, before entering the job market.

## Why choose Glasgow?

Astronomy lectures are complemented by our observatory, planetarium and telescope facilities. You will learn about the latest developments in astrophysics from research leaders.

# BIOCHEMISTRY

Biochemistry combines the study of the biology and chemistry of living organisms to allow us to understand the molecular basis of life.



**BSc (Hons) (C700): Four years**  
**MSci: Five years**

*Note*  
You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

## Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will develop your knowledge of fundamental aspects of biology. You will then be introduced to specialist subject areas according to your interests.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will focus on proteins and nucleic acids as the key molecules in understanding living organisms including viruses, bacteria, plants and animals, including humans. There is a strong emphasis on practical laboratory work, allowing you hands-on experience of major techniques including DNA technology, characterisation of proteins and bioinformatics. Your fourth year will feature a research project, a dissertation, and advanced-level Honours option courses.

Biochemistry can be taken as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing research in industry or an organisation such as a research institute in the UK or overseas.

The final-year optional courses may be subject to change each year. Places on particular optional courses may be limited.

## Summary of entry requirements for Biochemistry

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

**IB Standard Entry Requirements**  
36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/biochemistry](http://glasgow.ac.uk/ug/biochemistry).

## Career prospects

You will be well equipped for a wide variety of careers both inside and outside of science. Many of our graduates work in research laboratories in academic institutions, or in the pharmaceutical or biotechnology industry. Around half of our graduates go on to further study. Recent graduates have also secured positions in non-science careers as diverse as accountancy, IT, journalism and government.

## Why choose Glasgow?

You will have the opportunity to run your own experiments, collate and analyse your data and report results.



## BIOMEDICAL ENGINEERING

Biomedical engineering is about finding engineering solutions to medical problems. As a rapidly expanding industry, biomedical engineering meets the demands of healthcare through the development of technology.



**BEng (J750): Four years**  
**MEng (J751): Five years**

You will study the same courses in the first three years whether on the BEng or MEng degree programme.

### Year 1

In your first year, you will take courses in biomedical engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

### Year 2

You will study further engineering and biomedical subjects including engineering mathematics, mechanics, biomaterials, biomedical engineering skills, electronic engineering, engineering design and engineering in biological systems from the cell to the whole body.

### Year 3

You will study more advanced engineering and biomedical subjects including biological fluid mechanics, biomechanics, modelling, instrumentation and control, statistics, medical imaging and human biological sciences.

### Years 4 and 5

In year 4 of the BEng programme you will complete a project. Year 4 MEng students undertake a multidisciplinary design project. All year 4 students continue to take courses in engineering, biomedical and life sciences and medicine, as well as a range of options.

As an MEng student, in your fifth year you will work on a detailed research-based project in industry, at a hospital or at another university.

### Summary of entry requirements for Biomedical Engineering

#### SQA Higher Entry Requirements

**BEng:** AAB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*  
**MEng:** AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### BEng: AAB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### BEng: AAB – BBB

##### MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

#### IB Standard Entry Requirements

##### BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

##### MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/biomedicalengineering](http://glasgow.ac.uk/ug/biomedicalengineering).

### Career prospects

Our graduates are well represented in manufacturing companies and the National Health Service and in a wide range of industries in this country and abroad. Biomedical Engineering can be an excellent preliminary degree for graduate entry into Medicine. The degree also provides graduates with strong transferable skills.

### Why choose Glasgow?

You'll take part in practical activities including visits to local hospitals. You will benefit from our strong links with industry and the NHS, with engineers and clinicians contributing to lectures, projects and case studies, as well as offering work placements.

## BUSINESS & MANAGEMENT

The study of business and management offers you a structured insight into both the theoretical and practical dimensions of organisations and management.



### MA (SocSci) (Hons) (N200): Four years

Joint Honours available; see page 136.

#### Note

You do not need to have studied business or management previously to enter the first year of this programme.

### Year 1

You will take four courses:

Organisational behaviour; Introduction to marketing; Principles of management; Foundations of finance.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will take four courses:

Fundamentals of human resource management; Business decision analysis; Entrepreneurship; Service operations management.

### Years 3 and 4

In the Honours programme, you will study five core classes including Strategic management, Global business, Ethics and business, Research methods and an integrative experiential learning course. Optional courses are offered from a range of disciplines including entrepreneurship, marketing, human resource management and organisational behaviour, international business, service operations and finance.

### Summary of entry requirements for Business & Management

#### SQA Higher Entry Requirements (by end of S6)

AAAAB (AAB at S5 minimum for consideration)

Additional requirements: Higher English or Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### AAB – BBB

Additional requirements: A-level English or Humanities subject.

#### IB Standard Entry Requirements

##### 38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/businessmanagement](http://glasgow.ac.uk/ug/businessmanagement).

### Career prospects

Recent graduates have gone on to a vast array of jobs in public and private sector organisations, taking on roles such as: IT consultants with Prudential, market research managers and analysts with Procter & Gamble and managers in financial services including HBOS and Morgan Stanley.

### Why choose Glasgow?

You will benefit from a wide range of diverse expertise within Business & Management, as well as our collaborative ties with local industry and commerce which make significant contributions to the degree programme. Theory and practice are taught through a variety of innovative learning methods and opportunities.

Triple-crown accreditation puts the Adam Smith Business School in the top league of international business schools.



# BUSINESS ECONOMICS

Business economics is the study of economic concepts of relevance to modern business, to develop a sound understanding of the resource allocation issues facing the business corporation and the environment in which it operates.



## MA (SocSci) (Hons) (L112): Four years

Joint Honours available; see page 136.

### Note

No previous knowledge of economics is required for entry to first year.

## Year 1

You will study:

- Introduction to the market mechanism
- International trade
- Economic development
- Macroeconomics
- Macroeconomic policy in an open economy
- Introductory mathematical economics
- Introductory quantitative techniques.

You will also study other subjects in years 1 and 2.

## Year 2

You will study Intermediate macroeconomics, Intermediate microeconomics, Introduction to mathematical economics (continued) and Economic data analysis.

Subject to approval, you will also study Introductory mathematics and Introductory statistics.

## Years 3 and 4

If you qualify for Honours (years 3 and 4), you will choose a selection of business economics, industry and finance related courses over the course of your Honours years. These are designed to put economic tools to work analysing activities inside a business and explore how stock markets and other financial markets work and how the strategic decisions of corporations interact with financial markets.

You will also have the opportunity to take further optional courses on econometrics and mathematical methods, as well as courses dedicated to a wide range of economics topics including core economic skills, firm behaviour, growth and development, policy, alternative perspectives and other areas of interest. You can structure your studies to select and combine subjects relevant to your individual career path.

You will research and write a dissertation in your final year.

## Summary of entry requirements for Business Economics

### SQA Higher Entry Requirements (by end of S6) AAAAB (AABB S5 minimum for consideration)

Additional requirements: Higher English or Higher Humanities subject and National 5 Mathematics Grade B.

### SQA Higher Adjusted Entry Requirements\* (by end of S6) AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject and National 5 Mathematics Grade B. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level English or Humanities subject and GCSE Mathematics Grade B/5.

### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject and SL Mathematics Grade 5.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/businesseconomics](http://glasgow.ac.uk/ug/businesseconomics).

## Career prospects

Our graduates develop skills in research, analysis, communication, teamworking, decision making and problem solving. Recent graduates have been employed by HMRC, PricewaterhouseCoopers, Barclays, DESMI Africa and Taleveras Group, among many other organisations.

## Why choose Glasgow?

Economics at Glasgow dates back to Adam Smith, who was a Professor at the University in the 18th century and is widely renowned as the father of modern economics.

# CELTIC CIVILISATION

Celtic Civilisation immerses you in the history of the Celts, the development of their societies, their literature, material culture, art and religion, from earliest times on the European continent to the present-day British Isles.



## MA (Hons)/MA (SocSci) (Hons): Four years

Celtic Civilisation can only be taken as a Joint Honours degree. See page 136 for options and UCAS codes.

### Note

No prior knowledge of a Celtic language is required and all reading materials will be studied in English.

## Year 1

You will explore the history, culture and religious beliefs of the ancient Celts who, at their maximum extent, occupied much of Western and Central Europe, from Britain and Ireland in the west, to Asia Minor in the east. You will also examine the society, art and literature of the early Christian Celts of Britain and Ireland.

You will also study other subjects in years 1 and 2.

## Year 2

You will study the most important aspects of the histories, institutions, cultures and literatures of Scottish Gaelic, Irish and Welsh societies in two courses: Celtic societies, 1066–1603 and Celtic societies and the modern world.

## Years 3 and 4

If you progress to Honours (years 3 and 4) you will have the opportunity to deepen your understanding of specific aspects of Celtic history, literatures and cultures, such as belief and culture in early medieval Ireland and Gaelic Scotland, Celtic place-names of Scotland, early Gaelic literature, Celtic art, medieval Welsh literature and Gaelic folklore.

You will have access to a series of courses on Celtic history and culture on topics such as medieval Ireland, the Northern Britons and the Picts. You will also write a dissertation on a topic of your own choosing.

## Summary of entry requirements for Celtic Civilisation

### SQA Higher Entry Requirements (by end of S6) AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6) AAB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/celticcivilisation](http://glasgow.ac.uk/ug/celticcivilisation).

## Career prospects

Recent graduates have entered a range of careers including primary and secondary teaching; work with museums and government heritage bodies; publishing and book marketing. Others have gone on to further study and to successfully pursue a career in research and academic work.

## Why choose Glasgow?

You will have the opportunity to study the medieval and modern cultures of the Celtic-speaking peoples, with scholars at the cutting edge of research – as part of a joint degree, with no requirement to learn a Celtic language.



## CELTIC STUDIES

Celtic Studies provides the opportunity to combine language study with a range of courses on the medieval and modern Celtic cultures of the British Isles.



**MA (Hons) (Q504): Four years**

Joint Honours available; see page 137.

*Note*

No prior knowledge of a Celtic language is required.

### Years 1 and 2

In the first two years you will take courses from the Celtic Civilisation and/or Gaelic programmes.

### Years 3 and 4

If you successfully complete the courses in first and second years, you may move on to Honours Celtic Studies, where you will study various aspects of Celtic societies in their historical and cultural contexts.

You will study at least one language:

- Early Gaelic
- Medieval Welsh
- Modern Scottish Gaelic
- Modern Irish.

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If you studied Celtic Civilisation in the first two years you may begin to study Scottish Gaelic; or you may wish to combine studying medieval Celtic history with learning one of the medieval Celtic languages.

You can also choose from a range of courses on specific aspects of Celtic culture and literature, such as belief and culture in early medieval Ireland and Gaelic Scotland, language policy and planning in Scotland, Gaelic folklore, early Gaelic literature, medieval Welsh literature and Celtic art.

Honours students on this programme also have access to a series of courses on Celtic history and culture on topics such as medieval Ireland, the Northern Britons and the Picts. You will also write a dissertation on a topic of your own choosing.

### Summary of entry requirements for Celtic Studies

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### AAB – BBB

Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

##### 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/celticstudies](http://glasgow.ac.uk/ug/celticstudies).

### Career prospects

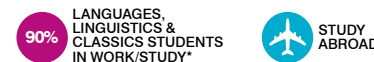
Recent graduates have entered a range of careers including primary and secondary teaching; work with museums and government heritage bodies; publishing and book marketing; music; entrepreneurship. Others have gone on to further study and to pursue successfully a career in research and academic work.

### Why choose Glasgow?

You will have the opportunity to study the medieval and modern cultures of the Celtic-speaking peoples, with scholars at the cutting edge of research – and learn a Celtic language of the British Isles.

## CENTRAL & EAST EUROPEAN STUDIES

You will study the history, economics, politics and sociology of the countries of Central and Eastern Europe.



**MA (SocSci) (Hons) (R900): Four years**

Joint Honours available; see page 137.

### Year 1

You will study the collapse of the Russian, German and Habsburg Empires and the emergence and expansion of the Soviet system after 1917. You will examine the origin, nature and consequences of communist and nationalist ideologies, as well as the culture, civil society, and the reasons for the collapse of communism in the region during 1989–91.

You will also study other subjects in years 1 and 2.

### Year 2

You will chart developments in the societies of the region from 1989 to the present day, including processes of economic, political and territorial change, aspects of social and cultural diversity, migration and the role of the media. You will examine the impact of the end of the Soviet Union on the development of “transition” ideologies, the emergence of civil society, and the integration of the region into the European Union and NATO.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose from a wide range of subject areas and topics, including nationality and identity, migration, the media, economic and social history, modern political history including the impact of war and revolution, security and international relations, and civil society and the state, among others. Honours students will have the opportunity to undertake a fieldtrip to one of the countries of the region.

### Summary of entry requirements for Central & East European Studies

#### SQA Higher Entry Requirements (by end of S6)

AAAAA (AABB S5 minimum for consideration)  
Additional requirements: Higher English or Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### AAB – BBB

Additional requirements: A-level English or Humanities subject.

#### IB Standard Entry Requirements

##### 38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/cees](http://glasgow.ac.uk/ug/cees).

### Career prospects

The 2004 and 2007 eastward enlargement of the EU and NATO, as well as ongoing developments in Russia, Ukraine, the other former Soviet states and the Balkans, mean there is a high demand for specialists in the field. Graduates have developed careers in the European Commission, the Foreign and Commonwealth Office, non-governmental organisations (NGOs), journalism and the business community.

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### Why choose Glasgow?

The University is a hub for a government-funded Centre of Excellence for Russian, Central & East European Studies, which hosts cultural, social and academic events throughout the year.

It is not compulsory but you may wish to study one of the following languages: Hungarian, Czech, Polish or Russian.



## CHEMICAL PHYSICS

Chemical physics is concerned with electrons, nuclei, atoms and molecules in all states of matter, and how they interact with their environment. This degree programme covers the area in which chemistry and physics overlap.



BSc (Hons) (F335): Four years  
MSci (F322): Five years  
MSci with work placement (F320): Five years

### Years 1 and 2

You will study chemistry, physics and mathematics in both years 1 and 2.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study:

- In physics:** a range of courses including quantum mechanics, thermal physics, solid state physics, waves and diffraction, electromagnetism, nuclear and particle physics, and atomic systems.
- In chemistry:** various aspects of physical and inorganic chemistry including catalysis, solid state chemistry, coordination chemistry, quantum mechanics and symmetry, spectroscopy, thermodynamics and diffraction.

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You will gain an in-depth knowledge of chemistry, physics, mathematics and computing, and will be able to tackle most problems in chemistry and physics. In the final year, you will work closely with a member of staff on a research project.

You can take Chemical Physics as an MSci degree, which may include an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute like CERN or an academic laboratory. Placements may be in the UK, but are often taken overseas. They happen between third year and the final year of the degree.

### Summary of entry requirements for Chemical Physics

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.  
Additional requirements: Higher Chemistry, Mathematics and Physics.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Chemistry, Mathematics and Physics. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB

Additional requirements: A-level Chemistry, Mathematics and Physics.

**IB Standard Entry Requirements**  
36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Chemistry, Mathematics and Physics.

For detailed entry requirements see [glasgow.ac.uk/ug/chemicalphysics](http://glasgow.ac.uk/ug/chemicalphysics).

### Career prospects

Our graduates are employed in industry, commerce, government research and education. Many graduates proceed to research leading to a higher degree. Some of our recent graduates have been employed by EDF Energy, Quotient Clinical, Reckitt Benckiser, Sterling Medical Innovation, and Synergy Outsourcing, among many other companies.

### Why choose Glasgow?

You will learn how to understand the laws of physics so that you can apply the latest technologies to control molecules and make new materials.

## CHEMISTRY

Chemistry is the science of molecules and materials. It is a science with a well-developed theory base which is central to modern life and which continues to make advances in, for example, new materials, antibiotics, semiconductors and trace analysis.



BSc (Hons) (F100): Four years  
MSci with European placement (F102): Five years  
MSci with work placement (F101): Five years

Joint Honours available; see page 137.

### Year 1

The topics covered include the periodic table and main group chemistry, transition metal chemistry, organic chemistry, chemical kinetics, states of matter, chemical energy changes, aqueous equilibria and pH, and macromolecules.

You will also study other subjects in years 1 and 2.

### Year 2

The topics covered include molecular thermodynamics, organic stereochemistry, quantum mechanics and chemical bonding, organometallic chemistry, main group chemistry, enols and enolates, spectroscopy, solids and surfaces, aromatic chemistry, coordination chemistry, organic synthesis, electrochemistry and applied organic chemistry.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study advanced topics in chemistry including aspects of synthetic methods, medicinal chemistry, colloids, catalysis, quantum mechanics, spectroscopy, and main group and transition metal chemistry. In your final year you will undertake a research project at the frontiers of the subject.

You can take Chemistry as an MSci degree which includes an additional work placement year in the UK or overseas, between the third and final years of the degree.

### Summary of entry requirements for Chemistry

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAB at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Mathematics and Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
ABB – BBB

Additional requirements: A-level Mathematics and Chemistry.

**IB Standard Entry Requirements**  
36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Chemistry.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/chemistry](http://glasgow.ac.uk/ug/chemistry).

### Career prospects

Our graduates are employed as chemists working in research, process development and analysis, as well as in management, marketing, environmental control, patents and finance. Recent graduates have been employed by EDF Energy, Quotient Clinical, Reckitt Benckiser, Sterling Medical Innovation and Synergy Outsourcing.

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### Why choose Glasgow?

Two interactive teaching units that concentrate on ethical, environmental and financial issues in chemistry will help you develop teamworking and presentation skills.



## CHEMISTRY WITH MEDICINAL CHEMISTRY

This degree programme provides a thorough training in the main branches of chemistry and also concentrates on the study of areas of medicinal chemistry and pharmacology most relevant to carrying out research with medicinal and other biologically active compounds.



**BSc (Hons) (F103): Four years**  
**MSci with European placement (F105): Five years**  
**MSci with work placement (F104): Five years**

### Year 1

The topics covered include the periodic table and main group chemistry, transition metal chemistry, organic chemistry, chemical kinetics, states of matter, chemical energy changes, aqueous equilibria and pH, and macromolecules.

### Year 2

The topics covered include molecular thermodynamics, organic stereochemistry, quantum mechanics and chemical bonding, organometallic chemistry, main group chemistry, enols and enolates, spectroscopy, solids and surfaces, aromatic chemistry, coordination chemistry, organic synthesis, electrochemistry and applied organic chemistry.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4), you will choose courses from a list of topics which includes anticancer compounds, antibiotics, analgesics and antivirals. In the final year you will undertake a project involving research in chemistry with medicinal or pharmacological applications: for example, making selected compounds and testing them for specific biological activity.

You can take Chemistry with Medicinal Chemistry as an MSci degree, which includes an additional work placement year in the UK or overseas, between the third and final years of the degree.

### Summary of entry requirements for Chemistry with Medicinal Chemistry

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAB at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Mathematics and Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
ABB – BBB

Additional requirements: A-level Mathematics and Chemistry.

**IB Standard Entry Requirements**  
36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Chemistry.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/chemistrymedicinal](http://glasgow.ac.uk/ug/chemistrymedicinal).

### Career prospects

Our graduates are employed in research in the pharmaceutical industry, forensic science and related areas. Many graduates also go on to postgraduate study or directly into employment in the chemical industry. Recent graduates have been employed by EDF Energy, Quotient Clinical, Reckitt Benckiser, Sterling Medical Innovation and Synergy Outsourcing.

### Why choose Glasgow?

You'll benefit from a lecture course on industrial medicinal chemistry presented by research workers from a pharmaceutical company on topics such as drug/receptor interactions and the design, synthesis, transport and metabolism of important drugs.

## CHILDHOOD PRACTICE

This programme has been developed to enable students with experience of working in childhood practice to meet the requirements of the Standard for Childhood Practice (SSSC, 2015). The programme has been designed to enable practitioners to gain an academic and professional qualification while remaining in employment.

100% STUDENTS SATISFIED\*

### BA: Up to six years on a part-time basis

All students will be required to have completed an HNC, SVQ3, SVQ4 or equivalent professional qualification in Children's Care, Learning and Development or Playwork. Students will be expected to undertake placement-based assignments and must currently be working in a pre-five setting, out of school care service or similar working environment and have a minimum of two years' experience in a childhood practice setting.

*How to apply*  
Please apply online at [glasgow.ac.uk/ug/childhoodpractice](http://glasgow.ac.uk/ug/childhoodpractice).

Courses to be studied are dependent on your previous qualifications (HNCs, PDAs and SVQs). In consultation with the programme leader, your studies will be made up of the following courses.

### Core courses

- The standard for childhood practice
- Planning a project
- E-learning developments & communication
- Taking action & making an intervention
- Sustaining & communicating improvements in practice
- Leadership, management & professional values
- Practice placement.

Additional courses that may be required to gain credit:

- Key issues & debates in childhood practice (courses A and B)
- Multi-professional collaboration in children's services
- Social & cultural concepts of childhood.

As this is a work-based learning programme, in addition to formal learning, you will draw from your own practice in the field of childhood practice.

### Summary of entry requirements for Childhood Practice

Attainment of SNEB, HNC, SVQ3, SVQ4, PDA or similar professional qualification in the childhood practice field. You must be currently working in a childhood practice setting such as a nursery or out of school provision and be registered with the SSSC. You must also possess a minimum of two years' work experience in childhood practice.

For detailed entry requirements see [glasgow.ac.uk/ug/childhoodpractice](http://glasgow.ac.uk/ug/childhoodpractice).

### Why choose Glasgow?

This degree has been designed to meet the registration requirements of the Scottish Social Services Council for managers/lead practitioners in day care services for children.



# CIVIL ENGINEERING

Civil engineers design and build major structures and provide the skills and expertise to design, build and maintain the country's infrastructure.



**BEng (H202): Four years**  
**MEng (H200): Five years**

You will study the same courses in the first three years whether you are on the BEng or MEng degree programme.

## Year 1

In your first year, you will take a wide-ranging curriculum which includes courses in civil engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Years 2 and 3

You will take a range of courses within structural engineering, water engineering, transportation, geotechnical engineering and construction management. Courses cover both fundamental principles and practical applications. We place considerable emphasis on practical work, in the form of laboratory classes, physical and computational modelling exercises, project work, surveying fieldwork, design projects and site visits.

## Years 4 and 5

In fourth year, MEng students study a greater range of advanced analytical topics than BEng students. Year 5 of the MEng programme contains a mix of advanced courses and major design project work, some at overseas institutions or involving practising engineers, which are intended to develop professional-level skills.

## Summary of entry requirements for Civil Engineering

### SQA Higher Entry Requirements

**BEng:** AABB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*

**MEng:** AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*

\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**BEng:** AABB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**BEng:** AAB – BBB

**MEng:** AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

**BEng:** 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

**MEng:** 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/civilengineering](http://glasgow.ac.uk/ug/civilengineering).

## Career prospects

Recent graduates have been employed by ARUP, civil engineer; Jacobs Engineering Ltd, civil engineer; Balfour Consultancy Ltd, structural engineer; BAM Nuttall, civil engineer; Laing O'Rourke, civil engineer; Scottish Southern Energy, civil engineer; WSP Group, civil engineer; Atkins Global, graduate civil engineer; and SEPA, trainee flood risk scientist.

## Why choose Glasgow?

This programme's strengths lie in its synthesis of scientific enquiry, engineering design and creative problem solving to tackle the challenging and complex real-life problems encountered by professional civil engineers.

# CIVIL ENGINEERING WITH ARCHITECTURE

Civil Engineering with Architecture will give you an understanding of the architect's role in construction and the interaction between architect and civil engineer.



**BEng (H2KC): Four years**  
**MEng (H2K1): Five years**

You will study the same courses in the first three years whether you are on the BEng or MEng degree programme.

## Year 1

You will take a wide-ranging curriculum which includes courses in architecture, civil engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. These courses are supported by individual and group project work and laboratory work. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Years 2 and 3

You will take a range of courses within civil and structural engineering, and architecture. We place considerable emphasis on practical work, in the form of laboratory classes, physical and computational modelling exercises, project work, surveying fieldwork, design projects and site visits.

In year 3 you will take part in a multidisciplinary design project. Together with students of architecture and quantity surveying from other universities, you will work in small teams to solve real-life design problems, just as you would do in professional life.

## Years 4 and 5

In fourth year, MEng students study a greater range of advanced analytical topics than BEng students. Year 5 of the MEng programme is largely devoted to engineering design project work, architectural studies and an individual project, which are intended to develop creative problem-solving skills.

## Summary of entry requirements for Civil Engineering with Architecture

### SQA Higher Entry Requirements

**BEng:** AABB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*

**MEng:** AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*

\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**BEng:** AABB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**BEng:** AAB – BBB

**MEng:** AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

**BEng:** 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

**MEng:** 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/civilengineeringwitharchitecture](http://glasgow.ac.uk/ug/civilengineeringwitharchitecture).

## Career prospects

Our recent graduates have been employed by companies such as WSP, Atkins Global and Mott MacDonald.

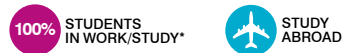
## Why choose Glasgow?

This is a unique degree programme in collaboration with the Glasgow School of Art. The architectural component is entirely design-oriented, studio-based and directed towards the production of sketches, drawings and models and their compilation into a portfolio.



## CLASSICS CLASSICAL CIVILISATION

Classics involves the study of the literature, history, art and material culture of ancient Greece and Rome. Study of Latin and/or Greek language is possible at any level.



### MA (Hons) (Q820): Four years

Joint Honours available; see page 137.

**Note**  
You do not require a knowledge of the Greek and Latin languages.

#### Year 1

You will study classical civilisation, covering the history, literature and culture of archaic Greece and republican Rome. You will read Homer alongside the histories of Herodotus and Sallust, the plays of Plautus, and the speeches of Cicero.

**You will also study other subjects in years 1 and 2.**

#### Year 2

You will study the literature, culture, history and politics of democratic Athens and of the Roman Empire at its height. You will read plays by Aeschylus, Sophocles, Euripides and Aristophanes; a dialogue by Plato; the histories of Thucydides and Tacitus; the *Aeneid* of Virgil; the satirical writings of Juvenal; and Petronius' extraordinary novel.

You can now take any of the pre-Honours Classical Civilisation courses (1A, 1B, 2A, 2B) in an online format as an alternative to the traditional face-to-face courses, for greater flexibility.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose options from a wide range that reflects the research interests of members of staff. Courses may include: Interpreting Greek tragedy, The Roman stage, Greek/Roman art, Gender and sexuality in ancient Rome, Ancient medicine, Homer and his readers, Rhetoric at Rome, Myths, fictions and histories of Alexander the Great, Greek religion, Cleopatra: life and legend and The later Roman Empire. There is also the opportunity to start or continue study of Latin and/or Greek.

### Summary of entry requirements for Classics

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/classics](http://glasgow.ac.uk/ug/classics).

### Career prospects

In recent years our graduates have found employment as teachers, civil servants, administrators, librarians, archivists, and experts in museums and galleries.

#### Why choose Glasgow?

You will have the opportunity to visit archaeological sites and museums in Italy and Greece as part of your programme.

## COMMUNITY DEVELOPMENT

You will develop both the practical and analytical skills to work effectively with a range of communities to bring about social change.



### BA (Hons) (XL35): Four years

This is a work-based learning programme and therefore all applicants must have at least 10 hours per week of paid or voluntary work in the broad field of community development. Applicants with no formal qualifications are encouraged to apply on the premise that they have extensive experience within a community development setting.

This programme is specifically designed for people who are currently working within the field. You will normally attend classes approximately a day and a half per week from September to May.

#### Year 1

You will study Introduction to academic study, Introduction to community development, Engagement strategies for community development, Introduction to social theories, and Community development practice 1.

#### Year 2

You will study Power and empowerment; Challenge, change and action; Study trip: local and global contexts; Popular education; and Community development practice 2.

#### Year 3

You will study Social justice and contemporary issues; Introduction to research; Space, place and community; and Community development placement.

#### Year 4

You will study elective options spanning a range of areas such as Community arts, Urban studies and Business, and complete an applied research practices course to support a research-based project in the field.

### Summary of entry requirements for Community Development

Applications are welcomed from those without formal qualifications, who can be considered on the basis of relevant experience in the field of community development.

#### SQA Higher Entry Requirements (by end of S6)

AAB/ABBB  
Additional requirements: Work-based learning requires a minimum of two days' work in the field of community development.

#### SQA Higher Adjusted Entry Requirements

#### No Adjusted Higher Requirements

#### A-level Standard Entry Requirements

BBB – CCC  
Additional requirements: Work-based learning requires a minimum of two days' work in the field of community development.

#### IB Standard Entry Requirements

30 (6,5,5 HL) – 28 (5,5,5 HL)  
Additional requirements: Students must be involved in work-based practice (paid or voluntary) for two days per week in the field of community development.

For detailed entry requirements see [glasgow.ac.uk/ug/communitydevelopment](http://glasgow.ac.uk/ug/communitydevelopment).

### Career prospects

Students who complete this degree go on to work in many aspects of community development. These include youth work, community arts, housing, addictions, economic development, adult education and community regeneration work.

#### Why choose Glasgow?

You'll have the opportunity to gain invaluable practice experiences both locally and internationally.



# COMPARATIVE LITERATURE

Comparative literature is the study of literature across cultural and national frontiers, time periods, languages and genres, even across the boundaries between literature and the other arts.



## MA (Hons): Four years

Comparative Literature can only be taken as a Joint Honours degree. See page 138 for options and UCAS codes.

### Year 1

You will read a wide variety of texts from different cultural contexts, which all engage with the same general theme, such as heroism. We offer three different courses in Level 1, one of which focuses on the study of Russian & central European cultures.

You will also study other subjects in years 1 and 2.

### Year 2

In the second year you will focus on other wide-ranging intercultural themes such as frontiers. This includes thinking about the depiction of various forms of discovery and borders: geographic, scientific, psychological, gender-oriented and cultural. There will be opportunities to focus on various literary and cinematic depictions of the chosen theme, including in the context of Central European cultures.

### Years 3 and 4

If you progress to Honours (years 3 and 4) Comparative Literature may only be taken as a Joint Honours degree, meaning that you will also study another subject.

At Honours level you choose your own optional courses, which reflect the research specialisms of our staff. You will take core courses on literary and cultural theories, and you will read texts from an intercultural perspective. You will also gain an awareness of issues of language and translation as they relate to the reading of texts from different cultures.

## Summary of entry requirements for Comparative Literature

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/comparativeliterature](http://glasgow.ac.uk/ug/comparativeliterature).

## Career prospects

Our graduates have gone on to pursue rewarding careers in the media, teaching, journalism, tourism, translating and interpreting, and the Civil Service, as well as business, commerce and marketing.

## Why choose Glasgow?

You can study Comparative Literature alongside a whole range of other subjects and you may want to consider studying it with a foreign language to further expand your horizons.

# COMPUTING SCIENCE

Computing science is wide-ranging: from programming and engineering large software systems, to the design and evaluation of human-computer interfaces, algorithms, computer and network systems, artificial intelligence, information retrieval and big data systems.



**BSc (Hons) (G400): Four years**  
**MSci (G402): Five years**  
**Faster Route BSc (Hons) (3N7R): Three years**  
**Faster Route MSci (7G3F): Four years**

Joint Honours available; see page 138.

The School of Computing Science launched the pioneering Centre for Computing Science Education in 2017, in recognition of our commitment to leadership and innovation in educational practice.

### Year 1

There is a substantial emphasis on programming, which we view as a fundamental skill. We mostly use the Python language. We also provide a broad introduction to other key areas of the subject, including computer systems, databases, and human-computer interaction.

You will also study other subjects in years 1 and 2.

### Year 2

You will study Java programming, object-oriented software engineering, data structures and algorithms, algorithmic foundations, computer networks, operating systems, and web application development.

### Years 3, 4 and 5

As an Honours student (years 3 and 4), you will cover the essential aspects of computing science in depth. Our curriculum is driven by our world-leading research sections and we offer opportunities for programme specialisms from year 3 onwards. Together with team projects and a substantial individual project, the programme provides excellent preparation for professional computing scientists. Computing Science can be taken as an MSci, which includes an additional year. Students on the MSci programme follow the BSc Honours degree programme, followed by an additional year studying advanced modules and a substantial research-oriented project.

## Summary of entry requirements for Computing Science

**SQA Higher Entry Requirements**  
AABB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics (AH recommended) and Computing (if Higher Mathematics A grade is not achieved in S5).

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher Mathematics (AH recommended) and Computing (if Higher Mathematics A grade is not achieved in S5). Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAA – ABB  
Additional requirements: A-level Mathematics.

### IB Standard Entry Requirements

38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)  
Additional requirements: HL Mathematics.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/computingscience](http://glasgow.ac.uk/ug/computingscience).

## Career prospects

Recent graduates are employed as software engineers and systems analysts with companies such as Google, JP Morgan, Morgan Stanley, Skyscanner and Yahoo.

## Why choose Glasgow?

Computer Science at Glasgow is ranked 2nd in Scotland and 7th in the UK (*Complete University Guide 2020*).

## DENTISTRY

Glasgow Dental Hospital & School is located in the city centre with facilities for patient care, student clinical practice and training, and education and research in dental and oral diseases and disorders.



**BDS (A200): Five years**

### Year 1

You will be introduced to clinical dentistry, supported by the teaching of clinical medicine, patient management and health promotion, and biomedical sciences such as anatomy, physiology and microbiology.

### Year 2

You will be introduced to the theory and practice of the subjects that form the clinical basis of dentistry: operative dentistry, prosthodontics and periodontics. As part of the introduction to operative dentistry you will learn about the treatment of dental caries, carried out in a simulated clinical setting. You will also begin the management and treatment of patients.

### Year 3

You will expand your skills in all aspects of restorative dentistry and will also carry out your first extraction. You will attend outreach placements in paediatric dentistry. Other teaching includes a comprehensive head and neck anatomy course, the dentist's role in providing smoking and alcohol advice and initial preparation for the provision of sedation.

### Year 4

You will continue to work in the Dental School and in the community and will have an opportunity to develop your clinical skills through exposure to patients in all the dental disciplines. At the end of fourth year you are required to undertake a period of elective study of around four weeks' duration. This is an opportunity for personal and professional development.

### Year 5

You will spend half your time in the Dental School and half working in a community outreach centre. There will be no lectures; instead you will attend eight sessions in each of the following core units: Crown and bridge; Minor oral surgery; Endodontics; Paediatric dentistry; Prosthodontics; Periodontics; Consultant clinics (1); Consultant clinics (2). You will be allocated to one residential and one non-residential outreach centre.

### Career prospects

Most dental graduates become general dental practitioners. Other possible careers lie in the hospital service or the community dental service. Choosing a career in NHS general dental practice requires you to undertake a period of vocational training designed to ease the transition between dental school and general dental practice. This vocational training period lasts one year. However, in some areas, it has been voluntarily extended to two years, to provide experience in the provision of dental care in both primary and secondary settings.

[glasgow.ac.uk/ug/dentistry](http://glasgow.ac.uk/ug/dentistry)

### Summary of entry requirements for Dentistry

**SQA Higher Entry Requirements (by end of S6)**  
AAAAB Higher + B Advanced Higher (AABB S5 minimum for consideration)

Additional requirements: Biology and Chemistry at grade A, Maths/Physics and English/ESOL at grade C. Advanced Higher in Biology or Chemistry at grade B. Work shadowing. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AAABB Higher + B Advanced Higher (AABB S5 minimum for consideration)

Additional requirements: Biology and Chemistry at grade A, Maths/Physics and English/ESOL at grade C. Advanced Higher in Biology or Chemistry at grade B. Work shadowing. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview. Successful completion of Reach.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAA

Additional requirements: Chemistry and Biology at grade A. 6 GCSE subjects at Grade A/7. Maths/Physics and English language/literature (English accepted at grade B/6 provided all other GCSEs are attained at grade A/7). Work shadowing. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview.

### IB Standard Entry Requirements

36 (6,6,6 HL)

Additional requirements: Chemistry and Biology at HL, Maths/Physics at HL (if HL not possible then SL6 will be considered). Work shadowing. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview.

Interviews – We will invite selected applicants to a multiple mini-interview in late January/early February.

For detailed entry requirements see [glasgow.ac.uk/ug/dentistry](http://glasgow.ac.uk/ug/dentistry).

### Screening and immunisation

For important information on Fitness to Practise, Hepatitis B immunisation, Hepatitis C screening and HIV screening, please see [glasgow.ac.uk/ug/dentistry](http://glasgow.ac.uk/ug/dentistry).

### Disclosure Scotland – Protection of Vulnerable Groups Scheme

If you are admitted to the BDS programme you will be required to undertake a Criminal Convictions check prior to registration. We require full declaration of convictions, including anything deemed "spent". It is your responsibility to pay for the check.

### International applicants

Please be aware that the University is neither responsible for, nor in a position to offer, entry to the Scottish dental workforce following successful completion of the BDS programme.

### Why choose Glasgow?

Dentistry at Glasgow is ranked first in the UK (*The Times & Sunday Times Good University Guide 2020*).

## DIGITAL MEDIA & INFORMATION STUDIES

Digital Media & Information Studies explores the creation, use and impact of digital content and information in the arts, humanities and society at large. It brings a human perspective to the issues of the digital age.



**MA (Hons) (I150): Four years**

Joint Honours available; see page 138.

### Year 1

You will learn about the value and role of information in professional and social environments, through theory, practice and hands-on sessions with digital media technologies. You will discover how to maximise the potential of information for work and everyday life, through key information literacy skills. Topics include: digital media in cultural heritage; publishing information on the web; digitisation; information governance, security and legislation; database development; data analytics and visualisation; and text analysis.

You will also study other subjects in years 1 and 2.

### Year 2

You will be introduced to new concepts and applications including: artificial intelligence, basics of 3D modelling, information systems, cyberspace, digital sound and video, digital curation and stewardship.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will gain a broader theoretical understanding along with a chance to study the creation, application and use of particular technologies in more detail.

You will choose from courses such as Enterprise, creative and citizenship online; Heritage cultural informatics; Multimedia analysis and design; 2D digitisation; Document encoding; Records, society and accountability; Music curation and analytics; History of ICT; Digital creativity; Books and new media; Introduction to digital humanities; Data analysis and visualisation; and you will complete a dissertation.

### Summary of entry requirements for Digital Media & Information Studies

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/digitalmedia](http://glasgow.ac.uk/ug/digitalmedia).

### Career prospects

This degree opens a range of careers and further study opportunities and helps you stand out in the crowded graduate jobs market. Our graduates have pursued careers in multimedia design, advertising, digital content management, human resources, research, journalism, digital marketing, music promotion, film production, academia, archives, museums, galleries and management consultancy.

### Why choose Glasgow?

We are the only university to offer this innovative programme at undergraduate level in the UK and are CILIP accredited.

[glasgow.ac.uk/ug/digitalmedia](http://glasgow.ac.uk/ug/digitalmedia)



## ECONOMIC & SOCIAL HISTORY

Economic and social history is the study of the way societies change in their economic activities and social organisation. It is concerned with how people in the past lived and worked, and how this has affected the development of today's world.



### MA (SocSci) (Hons) (V300): Four years

Joint Honours available; see page 138.

*Note*  
Previous knowledge of economics or history is not necessary.

You will study economic and social trends from 1750 to the present day, in Britain and internationally, and with an emphasis on the development of a wide range of transferable skills.

#### Year 1

You will take two courses around the themes of globalisation, the workplace, social order and conflict, gender and the family, immigration and the community, and international economic relations.

You will be introduced to major themes in history, including sources of economic growth and social change, and the international transmission of social and economic trends.

**You will also study other subjects in years 1 and 2.**

#### Year 2

You will study economic and social changes in the UK since 1750, in two courses, exploring such themes as industrialisation and its social dimensions and global trade and competition.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) you will select courses on a variety of themes, in a range of national and international contexts, and mainly in the period from 1750 to the present. In Junior Honours (year 3), core course students work in small groups on research projects, supervised by staff, and have the opportunity to explore their own specialist interests with the Senior Honours (year 4) dissertation.

### Summary of entry requirements for Economic & Social History

#### SQA Higher Entry Requirements (by end of S6)

AAAAB (AABB S5 minimum for consideration)  
Additional requirements: Higher English or Higher Humanities subject and National 5 Mathematics Grade B.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABBB – BBBBB  
Additional requirements: Higher English or Higher Humanities subject and National 5 Mathematics Grade B. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level English or Humanities subject and GCSE Mathematics Grade B/5.

#### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English or Humanities subject and SL Mathematics Grade 5.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/economicsocialhistory](http://glasgow.ac.uk/ug/economicsocialhistory).

#### Career prospects

Our graduates have found employment in a very wide range of careers including: management in industry, retailing, marketing and financial services; central and local government; the media and information technology; teaching at all levels; libraries, museums and archives; social work and other personnel services.

#### Why choose Glasgow?

It is possible to do this degree together with a language, including a year abroad.

## ECONOMICS

In studying economics you will learn how individuals and society make choices about how scarce resources are used, what products are produced and who gets to consume them. These choices depend on evaluating costs, benefits, risks and effects on others.



### MA (SocSci) (Hons) (L150): Four years

Joint Honours available; see page 139.

*Note*  
No previous knowledge of economics is required for entry to first year.

You will study the principles of microeconomics and macroeconomics and will have the opportunity to develop an interest in fields such as government policy, developing countries, the economics of business and international trade and finance.

#### Year 1

You will study Introduction to the market mechanism, International trade, Economic development, Macroeconomics, Macroeconomic policy in an open economy and Introductory mathematical economics.

**You will also study other subjects in years 1 and 2.**

#### Year 2

You will study Intermediate macroeconomics, Intermediate microeconomics, Introduction to mathematical economics (continued) and Economic data analysis.

Subject to approval, you will also study Introductory mathematics and Introductory statistics.

#### Years 3 and 4

Students who qualify for Honours will take advanced courses in microeconomic analysis and macroeconomic analysis. There is also the opportunity to take courses in econometrics, which involves the statistical techniques of economic analysis, and others from a wide range of optional courses which put the skills you have developed into action. You will also research and write a dissertation in your final year.

### Summary of entry requirements for Economics

#### SQA Higher Entry Requirements (by end of S6)

AAAAB (AABB S5 minimum for consideration)  
Additional requirements: Higher English or Higher Humanities subject and National 5 Mathematics Grade B.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABBB – BBBBB  
Additional requirements: Higher English or Higher Humanities subject and National 5 Mathematics Grade B. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level English or Humanities subject and GCSE Mathematics Grade B/5.

#### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English or Humanities subject and SL Mathematics Grade 5.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/economics](http://glasgow.ac.uk/ug/economics).

#### Career prospects

Our graduates develop skills in research, analysis, communication, teamworking, decision making and problem solving. Recent graduates have been employed by Ernst & Young, Morgan Stanley, Shell, Scottish Government, National Australia Group Europe and Hays plc, among many other organisations.

#### Why choose Glasgow?

Economics at Glasgow dates back to Adam Smith, who was a Professor at the University in the 18th century and is widely renowned as the father of modern economics.

# ELECTRONIC & SOFTWARE ENGINEERING

Electronic and software engineering combines the study of both hardware and software within modern computing and engineering. It will give you the knowledge required to lead teams that will design and build the computerised and embedded systems of the future.



**BSc (Hons) (GH66): Four years**  
**BEng (GHP6): Four years**  
**MEng (HG66): Five years**

Accreditation has been sought for this programme. Please check the website for updates. You will study the same courses in the first three years whether you are on the BEng, BSc or MEng degree programme.

## Year 1

You will study core courses in electronics & electrical engineering, mathematics and computing science. In engineering, you will develop key skills in design, simulation and testing analogue and digital circuits in the laboratory. In computing science you will develop computer problem-solving skills applicable in any programming language.

## Years 2 and 3

You will gain a thorough grounding in the hardware and software aspects of computer systems, including expertise in programming and software engineering using Java, detailed knowledge of operating systems and networking, a solid foundation in databases and experience with electronic design software. This will be combined with a working knowledge of electrical circuit theory, analogue and digital electronic system design and digital communications.

## Years 4 and 5

You will have a wide choice of technical options in fourth year, choosing half your specialist topics from electronics & electrical engineering and half from computing science. You will study professional aspects including economics, project organisation, environmental issues and safety. MEng students can take part in an integrated system design project, working in multidisciplinary teams.

In fifth year a six-month project, normally undertaken abroad, is followed by further advanced technical subjects.

## Summary of entry requirements for Electronic & Software Engineering

### SQA Higher Entry Requirements

**BSc/BEng: AABB at S5 will be considered**  
Typically S6 entrants will have AAAAA at Higher.\*  
**MEng: AAAB at S5 will be considered.** Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**BSc/BEng: AABB**

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**BSc/BEng: AAB – BBB**

**MEng: AAA – ABB**

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

**BSc/BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)**

**MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)**

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/electronicsoftwareengineering](http://glasgow.ac.uk/ug/electronicsoftwareengineering).

## Career prospects

Previous graduates have found employment in a wide range of industries, such as software houses, electronics companies and commercial institutions, including Agilent, ARM, BMW, Ion Torrents, Thales and Wolfson Microelectronics, among many others.

### Why choose Glasgow?

Between years 3 and 4 you will undertake a work placement in industry, either in the UK or overseas.

# ELECTRONICS & ELECTRICAL ENGINEERING

This degree programme covers a wide range of topics relating to electronics & electrical engineering within modern life. It will enable you, as a graduate engineer, to be employed in a large number of industries, from power engineering to nanoelectronics, radar and telecommunication systems to the design of digital technology.



**BEng (H600): Four years**  
**MEng (H601): Five years**

You will study the same courses in the first three years whether on the BEng or MEng degree programme.

## Year 1

In your first year, you will take a wide-ranging curriculum, which includes courses in analogue & digital electronics, mathematics, dynamics, materials and thermodynamics. These courses are supported by project and laboratory work, which allow you to develop the much-needed skills and experience required for a career in engineering. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Years 2 and 3

The following two years will contain a core of compulsory subjects that are needed for electronics and electrical engineering. These courses will give you a firm grounding in the knowledge and skills required of any professional electronics or electrical engineer. These courses are augmented with practical construction and project work in each year, working both alone and in teams.

## Years 4 and 5

You will have a wide choice of technical options in fourth year. You will also gain expertise in professional subjects including economics, project organisation, environmental issues and safety. BEng students will complete a substantial individual project.

MEng students take part in an integrated system design project, learning the skills of project management and working in multidisciplinary teams. Half of the fifth year is devoted to individual project work, normally carried out in industry, and often via a placement abroad.

## Summary of entry requirements for Electronics & Electrical Engineering

### SQA Higher Entry Requirements

**BEng: AABB at S5 will be considered.** Typically S6 entrants will have AAAAA at Higher.\*  
**MEng: AAAB at S5 will be considered.** Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**BEng: AABB**

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**BEng: AAB – BBB**

**MEng: AAA – ABB**

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

**BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)**

**MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)**

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/electronics](http://glasgow.ac.uk/ug/electronics).

## Career prospects

Our recent graduates have been employed by McLaren, Cadence, Leonardo, Cirrus Logic, Nordic Semiconductors, Analog Devices, Clyde Space, SP Energy Networks, Jaguar Land Rover, Royal Bank of Scotland, among many other organisations.

### Why choose Glasgow?

You will undertake a team design project in which the complete design process of an item of electronic equipment is carried out, from the initial specification to the completed product.



## ELECTRONICS WITH MUSIC

This exciting degree brings together the world of music with a thorough study of modern electronics. This fusion of arts and engineering produces graduates that are fully qualified electronics engineers with particular skills in music technology.



**BEng (H6W3): Four years**  
**MEng (H6WJ): Five years**

You will study the same courses in the first three years whether you are on the BEng or MEng degree programme. Approximately two-thirds of these programmes are engineering-based, except year 5 of the MEng programme.

### Year 1

You will take courses in mathematics and key engineering fundamentals including computing and analogue and digital electronics. The music component includes Listening in culture, plus either Listening through analysis or Performance (subject to audition at the start of the year).

### Year 2

This involves core engineering subjects of analogue and digital electronics, electrical circuits and computer systems. These courses are reinforced by a design project and mathematics. The music topics cover composing with recorded sound and studio techniques and one other music option.

### Year 3

The third year delves deeper into such engineering topics as systems design, communication systems, control, real-time systems, electromagnetic compatibility and mathematics, while the music element encompasses such topics as sound for narrative film and interactive audiovisual media, plus further music options. Most courses are supported by laboratory and project work.

### Years 4 and 5

On the MEng programme your choice of fourth-year technical options is the same as that of the BEng degree but instead of an individual project you will carry out practical team projects with other engineers. These projects will prepare you for a six-month placement, normally in industry and often abroad. On your return, you will complete your degree with further advanced technical options. In year 4, you will also take two courses in music, alongside your engineering options.

### Summary of entry requirements for Electronics with Music

#### SQA Higher Entry Requirements

**BEng: AAB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\***  
**MEng: AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\***  
**\*B at Advanced Higher is equivalent to A at Higher.**

Additional requirements: Higher Mathematics and Physics or Engineering Science. Higher Music or Music Technology or Grade 6 ABRSM.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### BEng: AAB Higher

Additional requirements: Higher Mathematics and Physics or Engineering Science. Higher Music or Music Technology or Grade 6 ABRSM. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### BEng: AAB – BBB

##### MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design. A-level Music or Music Technology or Grade 6 ABRSM.

#### IB Standard Entry Requirements

##### BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

##### MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics / Design Technology). IB HL Music or Grade 6 ABRSM.

For detailed entry requirements see [glasgow.ac.uk/ug/electronicswithmusic](http://glasgow.ac.uk/ug/electronicswithmusic).

### Career prospects

Graduates are fully qualified electronics and electrical engineers with particular skills in music technology. This prestigious degree will enable you to seek employment in both the recording and broadcasting industries as well as in the wider electronics industry as a whole.

#### Why choose Glasgow?

Glasgow is a UNESCO city of music, where you can study performance, composition and technology alongside a range of other music options.

## ENGLISH LANGUAGE & LINGUISTICS

English Language & Linguistics combines the study of the history, structure and meaning of the English language, to see what all this tells us about our culture, our society and ourselves.



**MA (Hons) (Q300): Four years**

Joint Honours available; see page 139.

You will learn how our language now and in the past influences our interactions with each other and with the world.

### Year 1

Here, we give you a taster of every part of language study: how we get meaning through manipulating sounds, words and sentences; how different varieties of English and Scots can convey identity across Scotland and the world; and how English as a language developed from its earliest roots to its current form.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will deepen your exploration of the use and history of English. You will learn how we colour our speech with melody and rhythm; convey unspoken meaning in conversation; and transform thought into words in our minds. You will also trace the earliest forms of the language through texts, artefacts and the histories of the words and names themselves.

### Years 3 and 4

At Honours you choose from a variety of advanced courses, including discourse and conversation, digital humanities, the history of English, narrative and the mind, manuscript studies and book history, medieval literature, name studies, phonetics, semantics, Old Icelandic, psycholinguistics, sociolinguistics, the language of laws and the Scots language.

### Summary of entry requirements for English Language & Linguistics

**SQA Higher Entry Requirements (by end of S6)**  
**AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)**  
Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

##### AAB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### AAB – BBB

Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

##### 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/englishlanguage](http://glasgow.ac.uk/ug/englishlanguage).

### Career prospects

As a graduate in English Language & Linguistics you will be an expert in language, communication and the rigorous analysis of texts and events in the real world. You will have a broad range of career opportunities, drawing on your research skills and knowledge. Our graduates find jobs in traditional and new media, publishing, marketing, speech therapy and dictionary-making, and many of them teach English as a foreign language, often in Europe, Asia or South America.

#### Why choose Glasgow?

Over 50 years, we created the world-leading *Historical Thesaurus of English*. You will also have access to dedicated laboratories for analysing spoken and written language.

## ENGLISH LITERATURE

You will explore all aspects of literature in English, benefiting from our expertise in a wide range of areas, including American, Irish and postcolonial literatures, critical theory, creative writing, and the relationship between literature and other arts, media and science.



### MA (Hons) (Q301): Four years

Joint Honours available; see page 139.

If you wish to be considered for English Literature you must apply using a UCAS code for English Literature, either as a single subject or as part of a Joint Honours combination.

#### Year 1

The first course focuses on poetry and the second on narrative prose. You will develop skills in critical and creative writing and in analysing and arguing about literature while also gaining insights into how speaking and performing texts enhances literary study. Both contain diverse texts from different periods and cultures. There are also opportunities to develop creative skills in writing poetry and fiction.

You will also study other subjects in years 1 and 2.

#### Year 2

Where Level 1 takes form as its starting point, Level 2 is more conceptual in focus and begins by examining the urgent question of literature's relationship to both environment and energy. Its starting point is how literature has represented and engaged with the human relationship to and responsibility for the natural world and encourages students to think about the real-world impact of these questions. The second half builds on this by investigating the concept of ideology through an examination of the relationship between a wide range of literary texts and their historical, cultural and political contexts.

#### Years 3 and 4

Progression into the Honours programme (years 3 and 4) allows you to choose from a huge range of both period and topic-based courses in a range of specialist fields. Our courses on, for example, energy humanities, fantasy, children's literature, contemporary literature, literary theory, global literatures, Irish and Scottish literature and modernism are all taught by staff who are leading researchers in their fields. You have the opportunity to choose from a range of courses in creative writing and to carry out an independent research project which can take the form of a dissertation, creative writing portfolio or dissertation by work placement.

### Summary of entry requirements for English Literature

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

**AABB – BBBB**  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

**AAB – BBB**  
Additional requirements: one A-level Humanities subject.

**IB Standard Entry Requirements**

**36 (6,6,5 HL) – 32 (6,5,5 HL)**  
Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/englishliterature](http://glasgow.ac.uk/ug/englishliterature).

#### Career prospects

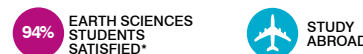
A degree in English Literature is highly respected in the current job market, not just by employers in the arts, education and media sectors but also in public relations, finance, business and technology. This is because graduates in English Literature possess valuable skills for the future, such as argumentation, cognitive flexibility, coordinating with others, creativity and critical analysis and we work hard, with the support of our careers support advisers, to prepare our students for a wide range of future employment.

#### Why choose Glasgow?

You will benefit from access to the University's world-class Hunterian collection and the Library's Special Collections, with strengths in the 18th and 19th-centuries, travel, illuminated manuscripts and significant single-author holdings.

## ENVIRONMENTAL GEOSCIENCE (EARTH SCIENCE)

Environmental Geoscience is the study of the Earth system, in particular the interaction of geology with surface processes and environments, and associated natural and anthropogenic changes. This programme was formerly named Earth Science.



### BSc (Hons) (F600): Four years MSci (F601): Five years

Joint Honours available; see page 140.

#### Note

No prior knowledge is required and Environmental Geoscience can be studied with many other first-year subjects.

#### Year 1

You will undertake two courses in your first year. The first course covers fundamental geological principles, including the structure of the Earth, plate tectonics, earthquakes, volcanoes, how rocks deform and the evolution of the oceans and continents. The second course covers the evolution of life, surface processes and environments, climate change, the sustainable exploration for resources and energy and associated environmental remediation.

You will also study other subjects in years 1 and 2.

#### Year 2

You will undertake two courses in the second year. The first course builds your knowledge of the solid Earth, focusing on key geological, geochemical and geophysical processes. The second course develops your understanding of the evolution of Earth life and environments, changing climate and biogeochemical cycles, Earth exploration and resource management.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) you will study a number of core courses covering past and future climates, hydrogeology, environmental geochemistry, landscape change and Quaternary geoscience, developing spatial and numerical skills in the laboratory and field. You will participate in two residential field classes and many local day field classes and undertake an independent project, involving mapping and analysis, in your final year.

#### Year 5

You can take Environmental Geoscience as an MSci degree, which is particularly suited to those interested in further study, and centres on an extensive independent research project.

### Summary of entry requirements for Environmental Geoscience (Earth Science)

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAB at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: National 5 Maths at grade B and two Higher Science subjects.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

**AABB – BBBB**  
Additional requirements: National 5 Maths at grade B and two Higher Science subjects. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

**BBB – BCC**  
Additional requirements: A-level Science subject.

**IB Standard Entry Requirements**

**38 (6,6,6 HL) – 34 (6,5,5 HL)**  
Additional requirements: HL Science subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/environmentalgeoscience](http://glasgow.ac.uk/ug/environmentalgeoscience).

#### Career prospects

Our recent graduates are employed by a range of organisations across the environmental sector including Atkins, BAM Nuttall Ltd, BAM Ritchies, Equinor Hywind, Mason Evans, Scottish Environment, Scottish Water and SEPA.

#### Why choose Glasgow?

The flexibility of our programmes will enable you to choose your specialist subject after an integrated first and second year which will prepare you for both degrees.



Accredited by the Institution of Environmental Sciences and based at our Dumfries Campus, Environmental Science & Sustainability utilises fieldwork, organisations and lab practicals to demonstrate environmental work in practice.



### BSc (Hons) (D447): Four years

This degree is taught at our Dumfries campus; see page 3.

#### Year 1

Your core courses will cover Introduction to environmental science, Earth system science and Introduction to global environmental issues.

#### Year 2

You will take the core courses of Research methods for environmental scientists, Human impacts on the environment, Sustainability of farming systems and Energy: options for sustainability. At each level you can also choose from a range of elective courses across other disciplines.

#### Year 3

You will study Applied ecology & conservation, Aquatic environment: processes, monitoring & management, and Rural tourism & stewardship. You will also undertake either a dissertation or placement where you will gain experience in the environmental sector.

#### Year 4

The Honours year consists of an environmental stewardship project on a research interest of your choice, and courses on Environmental policy & management, Perspectives on the environment and a residential Environmental field course.

### Summary of entry requirements for Environmental Science & Sustainability

#### SQA Higher Entry Requirements (by end of S6) BBBB

Additional requirements: Higher Science subject (two Higher Sciences are recommended).

#### SQA Higher Adjusted Entry Requirements No Adjusted Higher Requirements

#### A-level Standard Entry Requirements BBB – CCC

Additional requirements: A-level Science subject.

#### IB Standard Entry Requirements 30 (6,5,5 HL) – 28 (5,5,5 HL)

Additional requirements: HL Science subject.

For detailed entry requirements see [glasgow.ac.uk/ug/environmentalsciencesustainability](http://glasgow.ac.uk/ug/environmentalsciencesustainability).

#### Career prospects

You will develop a range of skills in environmental management techniques, preparing you to enter the graduate job market in a wide variety of roles concerned with implementing sustainability objectives. The combination of a broad-based education with specialist input, supplemented with real work experience, will equip you with essential skills.

#### Why choose Dumfries?

Fieldwork and practical experience are at the core of this programme, providing you with valuable skills for a career in the environmental sector. Our Dumfries campus is located close to a range of natural resources, unique fieldwork environments and placement providers: a diverse outdoor laboratory only minutes from the classroom.

This degree programme studies cinema and television as major forces of enjoyment and knowledge within modern culture.



### MA (Hons) (P390): Four years

Joint Honours available; see page 140.

Due to high demand, if you wish to be considered for Honours Film & Television Studies you must apply using a UCAS code for Film & Television Studies.

#### Year 1

You will take two courses, which introduce techniques of film and television analysis, offer perspectives on film and television history, and examine the changing structures of cinema and television as industries: Looking, listening, reading; Key moments in the development of film and television.

**You will also study other subjects in years 1 and 2.**

#### Year 2

You will extend this study with more detailed consideration of key theoretical concepts and historical methods, studying film and television alongside one another in two courses: Spectatorship, audiences and identities; History, aesthetics and genre. You will also study other subjects in years 1 and 2, as part of your degree programme.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) your studies will consist of a combination of compulsory core courses (Film analysis, Television analysis, Media and cultural policy) and specialist options. These will typically include courses on particular periods and places (eg postwar Japanese cinema, Scottish film and television); genres (eg animation, amateur cinema); theory and practice of film and television (eg digital media, television production); and specific themes (eg screen performance, children's television).

### Summary of entry requirements for Film & Television Studies

#### SQA Higher Entry Requirements (by end of S6) AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6) AAB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements AAB – BBB

Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/filmtelevisionstudies](http://glasgow.ac.uk/ug/filmtelevisionstudies).

#### Career prospects

This programme is a valuable preparation for careers in various aspects of the media, arts and cultural industries. The immediate job destinations of some of our recent graduates have included production trainee for the Scottish Media Group and graphics operator for the sports technology specialists Deltatre. Older graduates are now firmly established in their chosen creative fields, working for leading media companies such as Google and the BBC or as arts administrators, journalists and media academics.

#### Why choose Glasgow?

The city of Glasgow is a major centre for film and television production, and practitioners and policymakers from the creative industries visit the University regularly.

## FINANCE

Finance is the study of the practical and theoretical dimensions around the financial decisions made by consumers, corporations, governments and society. Studying finance provides a sound understanding of risk, money management, banking, capital markets and investments.



### BFin (NL30): Four years

This programme is subject to approval.

Year 1 is a broad-based curriculum with students beginning to specialise in finance in year 2. In Honours, a combination of core and optional finance courses allows you to tailor your programme.

#### Year 1

First-year foundation courses cover the subjects of finance, economics, accounting and management. You will develop knowledge and intellectual skills in these fields, as well as developing your numeracy, communication and teamwork skills.

#### Year 2

In your second year, you will begin to specialise by studying finance courses that will advance your theoretical understanding of the subject. You will develop your knowledge of asset pricing, corporate finance, statistics, risk, financial markets and financial technology. You will also develop your research, presentation, data management and statistical analysis skills by undertaking projects using real-world financial data.

#### Years 3 and 4

At Honours level (years 3 and 4), you will supplement your core courses with optional courses, selecting these from a wide range of topics such as capital markets and portfolio management, derivative securities, international financial management, corporate finance, corporate restructuring, psychology and financial management, econometric methods, mergers and acquisitions, and financial statement analysis.

You will continue to develop your skills in critical analysis, communication, advanced statistics and time management. You will also advance your research skills in taught courses and will be able to apply these in your final year by undertaking a project in finance. This will require you to work independently and allows you to apply the skills that you have acquired during the programme.

### Summary of entry requirements for Finance

#### SQA Higher Entry Requirements (by end of S6)

AAAAAB (ABBB S5 minimum for consideration)

Additional requirements: Higher Mathematics and Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABBB – BBBBB

Additional requirements: Higher Mathematics and Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAA – ABB

Additional requirements: A-level Mathematics and GCSE English Grade B/5.

#### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL Mathematics and SL English 5.

For detailed entry requirements see [glasgow.ac.uk/ug/finance](http://glasgow.ac.uk/ug/finance).

### Career prospects

The BFin in Finance provides the foundation for careers in the thriving finance and financial services sector, including insurance, accounting and banking. The degree provides graduates with strong transferable skills that are recognised as important attributes for careers in many other areas.

### Why choose Glasgow?

The new BFin will complement a highly successful Accounting & Finance degree portfolio, with international appeal, offering courses based on world-class research, enhanced by a strong focus on skills and industry connections to produce well-equipped graduates.

## FINANCE & MATHEMATICS

Finance is the study of the theory and practice of financial decision making. Mathematics incorporates successful explorations of numerical, geometrical and logical relationships.



### BSc (Hons) (NG3C): Four years

#### Years 1 and 2

You will take courses in:

- Mathematics
- Statistics
- Financial accounting
- Economics
- Management accounting
- Finance.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) you will take a range of core and optional courses including:

- Algebra
- Mathematical methods 1
- Metric spaces and basic topology
- Capital markets
- International financial markets
- Financial statement analysis
- Financial markets and financial institutions.

In fourth year you will also undertake a research project/dissertation, usually supervised within the School of Mathematics & Statistics, although a limited number of projects will be supervised by the Adam Smith Business School.

### Summary of entry requirements for Finance & Mathematics

#### SQA Higher Entry Requirements

BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and a Higher Science subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher Mathematics and a Higher Science subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Mathematics.

#### IB Standard Entry Requirements

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics.

For detailed entry requirements see [glasgow.ac.uk/ug/financemathematics](http://glasgow.ac.uk/ug/financemathematics).

### Career prospects

The financial sector, locally and throughout the UK, actively recruits graduates skilled in all aspects of mathematics, and a significant number of our Honours graduates find employment in the commercial sector, in insurance, accounting, finance or banking.

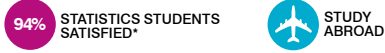
### Why choose Glasgow?

This programme will train you in both mathematics and finance, making you highly desirable to employers, and uses guest lecturers and tutors from the financial sector.



## FINANCE & STATISTICS

Finance is the study of the theory and practice of financial decision making. Statistics is a scientific discipline that is concerned with the drawing of objective conclusions from investigations where outcomes are subject to uncertainty or variability.



**BSc (Hons) (GN33): Four years**

### Years 1 and 2

You will take courses in:

- Economics
- Finance
- Financial accounting
- Management accounting
- Mathematics
- Statistics.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will take a range of core and optional courses, including courses in finance and statistics.

In fourth year you will also undertake a dissertation supervised within the Adam Smith Business School.

### Partnership and industry links

The University has close links with professional bodies and employers, many of whom offer placement opportunities to students. Some professional firms run presentations and drop-in sessions for prospective graduates and also run separate events to give students a chance to interact with their staff.

### Summary of entry requirements for Finance & Statistics

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and a Higher Science subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Mathematics and a Higher Science subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB

Additional requirements: A-level Mathematics.

**IB Standard Entry Requirements**  
36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics.

For detailed entry requirements see [glasgow.ac.uk/ug/financestatistics](http://glasgow.ac.uk/ug/financestatistics).

### Career prospects

The financial sector, locally and throughout the UK, actively recruits graduates skilled in all aspects of statistics, and a significant number of our Honours graduates find employment in the commercial sector, in insurance, accounting, finance or banking.

### Why choose Glasgow?

This programme will train you in both mathematics and finance, making you highly desirable to employers, and uses guest lecturers and tutors from the financial sector.

## FRENCH

French involves the study of a key European and international language as well as the cultures it has influenced across the world.



**MA (Hons) (R120): Five years**

Joint Honours available; see page 140.

### Year 1

The course you study in year 1 depends on how much French you have studied before. If you have an SQA Higher or A-level in French (grade A or B), you will take the non-beginners' language course alongside our French culture course.

If you are a beginner or near-beginner and have some previous language experience, you can take the Level-1 beginners' course, which provides an intensive foundation in reading, writing and speaking French.

**You will also study other subjects in years 1 and 2.**

### Year 2

In your second year, you will extend your linguistic skills in our language and culture courses using authentic French texts and media sources.

Students progressing from the first-year beginners' course normally study French culture 1 alongside French 2 courses.

### Year 3 (year abroad)

If you progress to Honours you will spend your third year abroad, normally either working as a language assistant in a school or studying at a university. The University has a number of exchange programmes and will provide support and advice.

### Years 4 and 5

Along with core language study, you will be able to choose from a wide range of options including literature, cinema, history and other aspects of the language and cultures of the French-speaking world.

### Summary of entry requirements for French

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB

Additional requirements: one A-level Humanities subject.

**IB Standard Entry Requirements**  
36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/french](http://glasgow.ac.uk/ug/french).

### Career prospects

Graduates have gone on to pursue rewarding careers in the media, teaching (both at home and abroad), journalism, tourism, translating and interpreting, and the Civil Service, as well as business, commerce and marketing.

### Why choose Glasgow?

As part of your French degree you can choose to focus on a whole range of topics including French comics, French song, travel writing, medieval France and contemporary French history.

# GAELIC / Gàidhlig

Explore Scottish Gaelic language and culture through the centuries to the present day, and develop your Gaelic language skills for the contemporary job market.

Ionnsaich mu chultar na Gàidhlig tro na linntean, agus leasaich do sgilean cànan airson chothroman cosnaidh nas fheàrr.



## MA (Hons) (Q530): Four years

Joint Honours available; see page 140.

### Note

No prior knowledge of Scottish Gaelic is required.

### Year 1

There are three courses: Advanced 1 for students with a good pass in Higher Gàidhlig; Intermediate 1 for those with a good pass in Higher Gaelic; and Beginners 1 for absolute/near beginners.

You will also study other subjects in years 1 and 2.

### Year 2

You will continue to develop your language skills and knowledge of Gaelic culture, including aspects of contemporary sociolinguistics, through either of two courses: Advanced 2 (taught in Gaelic) if progressing from Advanced 1 or Intermediate 1; Intermediate 2 (taught in English and Gaelic) if progressing from Beginners 1.

### Years 3 and 4

If you progress to Honours (years 3 and 4), you will concentrate on modern Scottish Gaelic language and literature, as well as studying Irish and the development and varieties of the Gaelic languages. Most of your courses will be taught through the medium of Gaelic. You will also write a dissertation. For a broader Celtic curriculum incorporating Gaelic language skills, please see Celtic Studies.

## Summary of entry requirements for Gaelic

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: one A-level Humanities subject.

**IB Standard Entry Requirements**

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/gaelic](http://glasgow.ac.uk/ug/gaelic).

## Career prospects

Recent developments in support of Gaelic mean that Gaelic is a language with expanding career opportunities. Our graduates have gone on to a wide range of careers in the media, publishing, the arts, teaching, academia, librarianship and law. Others find careers in the Civil Service, language planning/development with local authorities and Bòrd na Gàidhlig.

## Why choose Glasgow?

You can study Gaelic folklore, song, modern poetry, autobiography and contemporary fiction all through Gaelic, while the University's Gaelic initiative and the city's vibrant Gaelic community also provide opportunities to use Gaelic outside the classroom.

# GENETICS

Understanding genetics and molecular genetics is fundamental to all aspects of biology, modern medicine and biotechnology. Genetics affects all aspects of life. A Genetics degree opens up a whole world of job opportunities in science, industry, healthcare, forensics, and beyond.



**BSc (Hons) (C400): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study other subjects in years 1 and 2.

### Year 2

In semester 1, you will develop your knowledge of fundamental aspects of biology. In semester 2, you will be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will develop an in-depth understanding of the principles of genetics and biomolecular science. Laboratory work and small-group teaching are important parts of the Honours programme, allowing you to develop problem-solving, group-working and communication skills. In fourth year you will be able to follow your interests and choose four advanced Honours option courses. You will also perform your own research with one of the genetics research teams.

You can take Genetics as an MSci, which includes an additional work placement year, between the third and final years of the degree. This is normally spent doing research in industry or an organisation such as a research institute in the UK or overseas.

Final-year optional courses may change and places may be limited. Students are not guaranteed a place on a particular final-year option.

## Summary of entry requirements for Genetics

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

**IB Standard Entry Requirements**

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/genetics](http://glasgow.ac.uk/ug/genetics).

## Career prospects

Recent graduates have taken research, support or leadership roles in academia, industry and public services. Many graduates have entered teaching, medicine, management and journalism.

## Why choose Glasgow?

You will undertake laboratory training and acquire important transferable skills including problem solving, writing and presenting of reports, and critical analysis of written reports and data.



# GEOGRAPHY

Geography is the study of the surface of the Earth as the site of human living and working. It considers the variability in physical and human landscapes, along with the interrelationships binding them together.

93% MA (SocSci) STUDENTS SATISFIED\*



**BSc (Hons) (F800): Four years**  
**MA (Hons) (L702): Four years**  
**MA (SocSci) (Hons) (L700): Four years**

Joint Honours available; see page 140.

Geography can be studied as one of three different degrees in Arts, Science or Social Sciences. The Geography component of each degree is identical; the difference is additional subjects that can be taken in years 1 and 2.

## Year 1

You will explore an equal balance of physical and human geography themes including a world of resources, a world of development, a world of changing environments, a shrinking world, a world of conflict and a world of interactions.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will explore human and physical processes, examining environmental problems and their possible resolutions, and you will be trained in statistical methods, geographic information systems (GIS) and laboratory analysis using a mixture of fieldwork and our own IT and physical geography laboratories.

## Years 3 and 4

If you progress to Honours (years 3 and 4) you will study both core and optional courses.

Core courses are related to advanced training methods such as computerised data analysis, modelling, GIS, interviewing and interpretative methods and dissertation training. Core courses also support the development and articulation of graduate attributes and communication strategies for beyond the academy.

A wide range of optional courses complement the core courses and allow you to build a programme around your particular interests. Some Environmental Geoscience optional courses may also be available to Geography students.

## Summary of entry requirements for Geography

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAB at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements:

Applicants to Geography (BSc): Higher Geography and a Higher Science subject.

Applicants to Geography (MA): Higher Geography and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements:

Applicants to Geography (BSc): Higher Geography and a Higher Science subject.

Applicants to Geography (MA): Higher Geography and a Higher Humanities subject.

Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
BBB – BCC

Additional requirements:

Applicants to Geography (BSc): A-Level Science subject.

Applicants to Geography (MA): A-level Science or Humanities subject.

**IB Standard Entry Requirements**  
38 – 34 points  
38 (6,6,6 HL) – 34 (6,5,5 HL)

Additional requirements:

Applicants to Geography (BSc): HL Science subject.

Applicants to Geography (MA): HL Science or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/geography](http://glasgow.ac.uk/ug/geography).

## Career prospects

Our recent Geography graduates have been employed as coastal and river engineers, field studies tutors, public engagement officer, and hydrographic surveyors, and have found opportunities with the Scottish Government, British Red Cross, Glasgow City Council, Prince & Princess of Wales Trust, Foreign Office, Transport Scotland, Scottish Water, SNH, SEPA, Brewgooder and Historic Environment Scotland.

## Why choose Glasgow?

Our Honours programme is highly flexible and is a combination of core and optional courses. This allows you to tailor your option choices towards a wide range of potential careers.

[glasgow.ac.uk/ug/geography](http://glasgow.ac.uk/ug/geography)

# GEOLOGY

Geology is the study of the Earth, its structure, composition, and history, and its hazards and resources. Geology uses rocks, minerals and fossils to provide an integrated understanding of whole Earth processes in 4D, linking the deep Earth, its crust, the surface and associated environments.

94% EARTH SCIENCES STUDENTS SATISFIED\*



**BSc (Hons) (F610): Four years**  
**MSci (Hons) (F611): Five years**

## Note

No prior knowledge is required and Geology can be studied with many other first-year subjects.

## Year 1

Initially you will study the major themes of geology and environmental geoscience using a problem-based approach to learning integrated with topical examples. Your first course covers fundamental geological principles, including plate tectonics, the structure of the Earth, earthquakes, volcanoes, how rocks deform, and the evolution of the oceans and continents. The second course covers the evolution of life, surface processes and environments, climate change, the sustainable exploration for resources and energy, water security, and environmental remediation.

**You will also study other subjects in years 1 and 2.**

## Year 2

Your first course in second year builds your knowledge of the solid Earth and the relationship between the deep Earth and crustal and surface processes. The second course explores the evolution of Earth life and environments, changing climate and biogeochemical cycles, and Earth exploration, including resource, waste and contaminated land management. You will participate in a residential field class where you will develop your practical and problem-solving skills.

## Years 3 and 4

If you progress to Honours (years 3 and 4) you will study a number of core courses covering igneous geology (including geochemistry, chronology and volcanology), sedimentary geology (including environments and basin analysis), metamorphic & structural geology, stratigraphy and tectonic synthesis. You will participate in residential field classes integrated into the core courses and undertake an independent project in your final year where you will develop and answer a research question based on data you have collected. You will also tailor your degree by choosing from a wide range of optional courses in geological and environmental topics.

## Year 5

You can take Geology as an MSci degree, which is particularly suited to those interested in further study and centres on an extensive independent research project.

[glasgow.ac.uk/ug/geology](http://glasgow.ac.uk/ug/geology)

## Summary of entry requirements for Geology

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAB at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: National 5 Maths at grade B and two Higher Science subjects.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: National 5 Maths at grade B and two Higher Science subjects. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
BBB – BCC

Additional requirements: A-level Science subject

**IB Standard Entry Requirements**  
38 (6,6,6 HL) – 34 (6,5,5 HL)

Additional requirements: HL Science subject

For detailed entry requirements see [glasgow.ac.uk/ug/geology](http://glasgow.ac.uk/ug/geology).

## Career prospects

Recent graduates from the School of Geographical & Earth Sciences are employed by organisations across the geological, environmental and engineering sectors, including: Atkins, BAM Nuttall Ltd, Chevron, Equinor, Laing O'Rourke, Nordgold, Scottish Water, Scottish Power Renewables, SEPA and Shell.

## Why choose Glasgow?

The flexibility of our programmes will enable you to choose your specialist subject after an integrated first and second year which will prepare you for both degrees.

# GERMAN

German involves the study of a key European language and its culture. At Glasgow we provide a wide spectrum of teaching, ranging from the 18th century to contemporary culture.



**MA (Hons) (R220): Five years**

Joint Honours available; see page 141.

## Year 1

The course you study in first year depends on how much German you have studied before. If you have an SQA Higher or A-level in German (grade A or B), you will take the Level-1 non-beginners' language and culture courses.

If you are a beginner or near-beginner in the language and have some previous language learning experience, you can take the Level-1 beginners' course, which provides an intensive foundation in reading, writing and speaking German.

**You will also study other subjects in years 1 and 2.**

## Year 2

The first-year language and culture course leads to German 2, which extends and develops your linguistic skills and builds your knowledge of German culture. Students progressing from the first-year beginners' course normally study German culture 1 alongside the German 2 course.

## Year 3 (year abroad)

If you progress to Honours you will spend your third year abroad working as a language assistant in a school or on an independent work placement, or studying at a university. The University has a number of exchange programmes and will provide support and advice.

## Years 4 and 5

Along with core language study, you will take courses from a wide variety of options, including German professional communication, modern German novels, liaison interpreting and modern German thought.

## Summary of entry requirements for German

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/german](http://glasgow.ac.uk/ug/german).

## Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in the media, teaching (both at home and abroad), journalism, tourism, translating and interpreting, and the Civil Service, as well as business, commerce and marketing.

## Why choose Glasgow?

You will combine the study of language and culture in courses that focus on using German in practical and professional contexts, which makes our graduates stand out when applying for jobs.

# GREEK

Greek involves the study of classical Greek language and literature and ancient Greek civilisation.



**MA (Hons) (Q700): Four years**

Joint Honours available; see page 141.

## Note

You do not require previous knowledge of Greek.

You will read (depending on options chosen) Homer and other Greek poets, Athenian tragedies and comedies, orators and historians, and the philosopher Plato. You will also learn about Greek political and social history, philosophy, religion and art.

If you have a good A-level pass in the subject, you may be able to start Greek at Level 2.

## Year 1

You will be provided with a strong foundation of grammar and vocabulary leading to the reading of simple passages of genuine ancient Greek. You will learn to read elementary texts in Greek and to translate Greek into English.

**You will also study other subjects in years 1 and 2.**

## Year 2

The focus is on developing translation skills, of both prepared and unprepared texts. There is also consolidation of grammatical foundations. We introduce continuous literary texts, typically from oratory, drama, historiography and epic. You will also develop your critical skills through commentary and essay work.

## Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose options from a wide range and study texts and genres in detail. Courses currently include Historiography, Epic, Comedy, Tragedy, Oratory and Lyric poetry.

There is also the opportunity within the Honours programme to start or continue the study of Latin.

## Summary of entry requirements for Greek

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/greek](http://glasgow.ac.uk/ug/greek).

## Career prospects

In recent years our graduates have found employment as teachers, civil servants, administrators, librarians and archivists, and in museums and galleries.

## Why choose Glasgow?

You will have the opportunity to visit archaeological sites and museums in Greece as part of your programme.



## HEALTH &amp; SOCIAL SECTOR LEADERSHIP

In testing times for the health and social sectors, this degree (formerly Health & Social Policy) equips you with the skills and confidence to think critically, identify key challenges, influence policy and lead change.


**MA (Hons) (LL34): Four years**

This degree is taught at our Dumfries campus; see page 3.

**Year 1**

There are three core courses in year 1. Society & social policy introduces you to the language of social science and fundamental theories. The focus of Contemporary health challenges is inequalities in health, particularly in Scotland. Communication, influence & leadership establishes a foundational understanding of the nature of leadership and the communication skills associated with it.

**Year 2**

Drawing on inputs from various guest practitioners, year 2 begins to explore the relationship between policy and actual services on the ground. Core courses are Integrating health & social policy, Human nature & wellbeing, and Research methods for social science.

**Year 3**

This year combines analytical insight with experiential learning. Health & social policy in a contemporary context instils theoretical and critical depth, while Professional leadership skills is a scenario-based course that provides the building blocks of effective leadership. Practical experience is essential for successful graduates and in semester 2 you can do a whole-semester work placement within a University-approved organisation. In addition, senior managers from the NHS offer career mentoring.

**Year 4**

In year 4 you progress to the year-long Honours Action Research Project. With the freedom to pursue a topic you are passionate about, you apply the knowledge you have gained to a real-world research situation, within the NHS, local council or a third sector organisation, culminating in the dissemination of your insights to practitioners.

**Summary of entry requirements for Health & Social Sector Leadership**

**SQA Higher Entry Requirements (by end of S6)**  
BBBB Higher

**SQA Higher Adjusted Entry Requirements**  
No Adjusted Higher Requirements

**A-level Standard Entry Requirements**  
BBB – CCC

**IB Standard Entry Requirements**  
30 (6,5,5 HL) – 28 (5,5,5 HL)

For detailed entry requirements see [glasgow.ac.uk/ug/healthsocialsectorleadership](http://glasgow.ac.uk/ug/healthsocialsectorleadership).

**Career prospects**

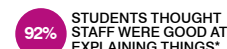
Graduates who achieve a 2:1 or above will be eligible for the prestigious Future Leaders scheme offered by Dumfries & Galloway Integrated Joint Board. This scheme intends to offer eligible graduates a year's employment in a graduate-level role with local NHS, council or third sector partners (subject to visa restrictions).

**Why choose Dumfries?**

You will be given the opportunity to complete a valuable work placement and will benefit from our excellent links with local employers.

## HISTORY

The study of history is the study of change and continuity in human society through time. In this wide-ranging programme you will learn different approaches to studying the past as a way of understanding the present in its political, economic, ideological, social and cultural sense.


**MA (Hons) (V100): Four years**

Joint Honours available; see page 141.

**Year 1**

You will be introduced to the study of historical change in the medieval, early modern and modern eras through the lens of Scottish history, followed by a closer look at medieval Europe. These courses combine lectures with small seminar groups.

**You will also study other subjects in years 1 and 2.**

**Year 2**

You will examine the early modern and modern era in Europe, followed by a thematic exploration of global history. You will engage with new historical skills and approaches, readying you for Honours study.

**Years 3 and 4**

At Honours level you will choose from a large variety of courses tackling topics in gender history, war studies, medieval history, US history, Scottish and Highland history and global history.

Sample courses include The Vietnam war in American history & culture; Traders, settlers and rebels: Africans in the Atlantic world, 1740–1938; France, 1789–1914: Nation, revolution & empire; The life & afterlife of Mary, Queen of Scots; Women & gender relations in Europe, 1789–1918; The Mongols and the West, c1200–c1500; Renaissance Florence.

In fourth year you can take a year-long special subject seminar course exploring a topic through primary sources.

**Summary of entry requirements for History**

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: one A-level Humanities subject.

**IB Standard Entry Requirements**

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/history](http://glasgow.ac.uk/ug/history).

**Career prospects**

As a History graduate you will be able to enter many different careers, from teaching to the financial services. Our recent History graduates have been employed by HarperCollins, Police Scotland, Oxfam, Glasgow Museums and Morgan Stanley.

**Why choose Glasgow?**

We offer a wide choice of Honours courses with small group teaching and one-to-one essay tutorials. We host leading research centres in gender history, war studies and Scottish and Celtic studies.

## HISTORY OF ART

History of art seeks to understand how and why paintings, sculptures, buildings and works in a variety of media come to look the way they do.



**MA (Hons) (V350): Four years**

Joint Honours available; see page 141.

### Year 1

The first year provides an introduction to history of art in two courses: Art history and its materials and techniques and Art history in action. These courses allow you to study works by some of the best-known artists, designers and architects of all time, including non-western material, and also introduce you to key issues in history of art. The two courses together will prepare you for further levels of study, but either can be taken as an introduction to the discipline by students not intending to take it beyond Level 1.

**You will also study other subjects in years 1 and 2.**

### Year 2

Greater emphasis is placed on theoretical and contextual issues. You will also be introduced to contrasted art-historical approaches and methods and to a range of backgrounds to the production and consumption of art.

### Year 3 and 4

If you progress to Honours (years 3 and 4), you will prepare a dissertation and study a wide range of special options concentrating on specific periods and artists, and normally including non-western as well as western art. There are core courses on methodological aspects of art history, and research skills in art history. You can apply to include a work placement as part of your Honours programme.

### Summary of entry requirements for History of Art

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/historyofart](http://glasgow.ac.uk/ug/historyofart).

### Career prospects

This degree can lead to careers in publishing, journalism, teaching and librarianship, museums, galleries, the heritage sector, and art dealing and auction houses. Examples of graduate destinations include a Getty Collections Management Internship in the USA, and curatorial or administrative posts at Dulwich Picture Gallery, Handel House and the Design and Artists Collecting Society.

### Why choose Glasgow?

You will benefit from the extensive resources of the University Library and Archives, and The Hunterian, the University's museum and art gallery, which feature the world-famous Hunter, Whistler and Mackintosh collections. You will also have access to Kelvin Hall, the University and City's innovative collections-access centre.

In your third-year vacation you will receive a grant to assist you to visit museums, galleries and buildings relevant to your studies.

## HUMAN BIOLOGY

Human biology explores the scientific principles that underlie investigations into the function of the human body from a molecular and cellular level to a whole-body level. It examines the way in which the body works in health, during normal healthy ageing and disease.



**BSc (Hons) (C1W3): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

Human Biology provides a wide-ranging approach to complement the traditional Anatomy, Neuroscience, Pharmacology and Physiology degree programmes.

If you progress to Honours (years 3 and 4), you will take courses which allow you to develop a broad understanding of human biology through the study of the anatomy and physiology of body systems, the assessment of cardiovascular and respiratory function, and introductory nutrition.

Students in year 4 choose four advanced Honours option courses. All year 4 students undertake an independent research project.

You can take Human Biology as an MSci, which includes an additional placement year between the third and final years of the degree, normally spent doing research in industry in the UK or overseas.

Final-year optional courses may change and places may be limited. Students are not guaranteed a place on a particular final-year option.

### Summary of entry requirements for Human Biology

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher Biology or Chemistry.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/humanbiology](http://glasgow.ac.uk/ug/humanbiology).

### Career prospects

This is a new programme and it is anticipated that graduates will be well qualified to seek employment in a broad range of scientific careers in the NHS, in commerce, education and management.

### Why choose Glasgow?

You'll be taught by world-class researchers from across our internationally renowned Medical, Veterinary & Life Sciences research institutes.



# HUMAN BIOLOGY & NUTRITION

Human Biology & Nutrition will equip students with a critical understanding of normal physiology and homeostatic mechanisms, and this will be related to both normal and disease-related conditions.



**BSc (Hons) (C1B4): Four years**

## Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

## Year 2

In semester 1, you will develop your knowledge of fundamental aspects of biology. In semester 2, you will be introduced to specialist subject areas according to your interests.

## Year 3 and 4

If you progress to Honours (years 3 and 4), you will take courses which allow you to develop a broad understanding of human biology through the study of the anatomy and physiology of body systems, and the assessment of cardiovascular and respiratory function, as well as introductory nutrition.

In year 4, you will take three compulsory courses: Energy balance (impact of lifestyle), Dietary assessment and nutrition epidemiology and Functional foods, and choose one from a range of optional courses. You will also carry out a substantial research project. You will develop a range of skills in nutrition and teamwork, and acquire useful experience for your future career.

## Summary of entry requirements for Human Biology & Nutrition

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/humanbiologynutrition](http://glasgow.ac.uk/ug/humanbiologynutrition).

## Career prospects

This degree will provide you with a variety of career opportunities. You may choose to go into health promotion, lifestyle consultancy, food industry related jobs or a range of other nutrition focused careers. Graduates may continue their education to Masters or PhD level. Graduates may also apply for professional postgraduate programmes such as dietetics and teaching.

## Why choose Glasgow?

You'll be taught by world-class researchers from across our internationally renowned Medical, Veterinary & Life Sciences research institutes.

# IMMUNOLOGY

Immunology is the study of the body's defence (immune) system and how it protects from, and contributes to, disease.



**BSc (Hons) (C550): Four years**

**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

## Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4), you will study the whole field of immunology as well as molecular biology, statistics and data analysis, in lectures and practical classes.

In year 4 you will study key concepts of immunology in greater depth. You will undertake a supervised laboratory research project.

The Honours programme covers the working of the immune system under physiological and pathological conditions, including infectious disease, vaccination, cancer, rheumatoid arthritis, cardiovascular diseases, and autoimmune and inflammatory pathologies.

Immunology can be taken as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing full-time research in industry, academia or another approved placement provider in the UK or overseas.

## Summary of entry requirements for Immunology

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/immunology](http://glasgow.ac.uk/ug/immunology).

## Career prospects

Many graduates continue to postgraduate Masters or PhD studies, or enter medicine, dentistry or veterinary medicine. Research-based career destinations include universities and research institutes and industry, and clinical research and diagnostic work in hospital laboratories. Many go on to a career in other fields of science, such as infection biology, and cancer or cardiovascular research, or areas such as teaching, scientific journalism, business and the Civil Service.

## Why choose Glasgow?

This is one of the few programmes in the UK which offer an Honours degree focusing solely on immunology for two years (years 3 and 4).

# INTERNATIONAL RELATIONS

International relations is the study of how states and national societies interact across borders, especially in the areas of political, military, economic and cultural relations.



POLITICS STUDENTS  
THOUGHT COURSE  
WAS INTELLECTUALLY  
STIMULATING\*



STUDY  
ABROAD

## MA (SocSci) (Hons) (L250): Four years

Joint Honours available; see page 142.

Due to high demand, if you wish to be considered for International Relations you must apply using a UCAS code for International Relations.

### Year 1

Introduction to politics examines the British and Scottish political systems in a comparative perspective to introduce key concepts in the study of politics and foreign policy making.

Introduction to international relations introduces students to key approaches to explaining and understanding key aspects of international order.

You will also study other subjects in years 1 and 2.

### Year 2

History of political thought examines political thought from the ancients, primarily Aristotle, through Machiavelli, Hobbes and Locke to Rousseau and Karl Marx.

Comparative politics in a globalising world explores and compares different countries to introduce students to the variety of political regimes that exist in the contemporary international system.

### Years 3 and 4

At Honours level (years 3 and 4) you can choose from over 30 courses in politics and international relations, including US foreign policy, Postcolonial international relations theory, International organisations, Gender & development and The politics of terror.

## Summary of entry requirements for International Relations

### SQA Higher Entry Requirements (by end of S6) AAAAB (AABB S5 minimum for consideration)

Additional requirements: Higher English or Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6) AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level English or Humanities subject.

### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/internationalrelations](http://glasgow.ac.uk/ug/internationalrelations).

## Career prospects

Popular career destinations for our school's graduates include the civil and foreign service, local government, the charity sector, international organisations, teaching, business and the armed forces.

## Why choose Glasgow?

Glasgow has a growing reputation for its research and teaching in the field of international relations, particularly in global security and conflict. You will be taught by leading academics who are experts in this field.

# ITALIAN

Studying Italian opens up the language and culture of a major EU country that has played a key role in Europe's political and artistic development.



LANGUAGES, LINGUISTICS  
& CLASSICS STUDENTS  
IN WORK/STUDY\*



STUDY  
ABROAD

## MA (Hons) (R310): Five years

Joint Honours available; see page 142.

### Year 1

The course you study in first year depends on how much Italian you have studied before. If you have an SQA Higher or A-level in Italian (grade A or B), you will take non-beginners' language and culture courses.

If you are a beginner or near-beginner and have some previous language learning experience, you will take the Level-1 beginners' course, which provides an intensive foundation in reading, writing and speaking Italian.

You will also study other subjects in years 1 and 2.

### Year 2

The first-year language and culture course leads to Italian 2, which extends and develops your linguistic skills and builds your knowledge of Italian culture, including the study of texts and films. Students progressing from the first-year beginners' course normally study Italian culture 1 alongside the second-year course.

### Year 3 (year abroad)

If you progress to Honours you will spend your third year abroad, normally either working as a language assistant in a school or studying at a university. The University has a number of exchange programmes and will provide support and advice.

### Years 4 and 5

In addition to further language work, our two-year Honours programme enables you to choose from a wide range of options including literature, cinema and other areas of culture.

## Summary of entry requirements for Italian

### SQA Higher Entry Requirements (by end of S6) AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6) AABBB – BBBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/italian](http://glasgow.ac.uk/ug/italian).

## Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in the media, teaching (both at home and abroad), journalism, tourism, translating and interpreting, and the Civil Service, as well as business, commerce and marketing.

## Why choose Glasgow?

Glasgow has a long tradition of teaching in Italian studies, supported by excellent library resources in the subject. You will be taught in small groups, mostly by native speakers of Italian, giving you the opportunity to develop a high level of fluency in written and spoken Italian.



## LATIN

Latin involves the study of the Latin language and literature, and Roman civilisation.



### MA (Hons) (Q600): Four years

Joint Honours available; see page 142.

*Note*  
You do not require previous knowledge of Latin.

The level at which you enter depends on whether you have taken Latin before. If you are a complete beginner, or have studied some Latin, you will enter our Level 1 class. If you have a good Higher or A-level pass, you may be able to start Latin at Level 2.

#### Year 1

You will be provided with a strong foundation of grammar and vocabulary, leading to the reading of simple passages of genuine Latin. You will learn to read elementary texts in Latin and to translate Latin into English.

You will also study other subjects in years 1 and 2.

#### Year 2

You will have the opportunity to increase your knowledge of vocabulary and grammar, enabling you to translate passages of literary Latin into English. You will read works by a range of authors, and study literary and social contexts as well as language and style, developing your critical skills, so that you may write well-argued and researched essays.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose from a wide range of topics and study texts and genres in detail. Courses currently include Historiography, Elegy, Epic, Fiction, Drama, Satire and Oratory. There is also the opportunity to start or continue the study of Greek.

### Summary of entry requirements for Latin

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: one A-level Humanities subject.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/latin](http://glasgow.ac.uk/ug/latin).

### Career prospects

In recent years our graduates have found employment as teachers, civil servants, administrators, librarians and archivists, and in museums and galleries.

#### Why choose Glasgow?

You will have the opportunity to visit archaeological sites and museums in Italy as part of your programme.

## LAW: COMMON LAW

The Common Law degree is intended for applicants from common law jurisdictions in countries such as England and Wales, Canada, the United States, India, Australia, New Zealand and Singapore. The Common Law curriculum offers intellectual depth and has a range of flexible options.



### Common Law LLB (Hons) (M100): Four years Common Law LLB (Fast Track) (M900): Two years, graduates only

Joint Honours available; see page 138.  
*Students taking a Joint Honours degree can complete all the courses necessary to apply for entry to the next stage of professional training for a career in England and Wales: the Legal Practice Course (LPC) or the Bar Professional Training Course (BPTC). A Joint Honours degree does not involve a period of additional study but please note that in some cases timetabling issues may arise.*

**Applicants should apply for either the Common Law LLB or the Scots Law LLB, not both, since we will only make an offer of a place on one LLB degree. Scottish students would normally be expected to apply for the Scots Law LLB. Scottish students applying for the Common Law LLB should make it clear in their application why they wish to be considered for this degree.**

#### Year 1

Initially you will study Common law tradition, Common law system and method, Constitutional law, Law of tort, English criminal law and Law of contract.

#### Year 2

In the following year, you will study European Union law, Jurisprudence, Law and government, English land law, Equity and trusts, Commercial law and Business organisations. In addition, there is a range of optional courses from which to choose.

#### Years 3 and 4

If you progress to Honours (years 3 and 4) you can choose from a wide range of individual courses available each year and you will have the opportunity to specialise in a chosen area of law.

#### Law with Languages or Law with Legal Studies

A language may be studied for three years of the Honours degree (the Law with Legal Studies programme) or throughout the four years of the degree (the Law with Languages programme). Language study is an integrated part of the degree, during the first two years of which language skills will be carefully developed. Both programmes require you to spend your third year studying Law in a partner university abroad, where teaching and learning take place in French, German, Italian or Spanish.

### Summary of entry requirements for Common Law

SQA Higher Entry Requirements (by end of S6)  
AAAAAA Higher or AAAA + BB Advanced Higher (AAABB S5 minimum for consideration)  
Additional requirements: Higher English.  
LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information).

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABBB – BBBBB  
Additional requirements: Higher English. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information). Successful completion of Reach.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAA  
Additional requirements: A-level English or GCSE English Grade A/ 7. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information).

#### IB Standard Entry Requirements

38 (6,6,6 HL) – 34 (6,5,5 HL)  
Additional requirements: HL English. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information).

For detailed entry requirements see [glasgow.ac.uk/ug/commonlaw](http://glasgow.ac.uk/ug/commonlaw).

### Two-year LLB (Fast track)

We offer an accelerated two-year programme for graduate entrants with a first degree at minimum of 2:1 or equivalent. For graduate entrants wishing to undertake three years of continuous study, the accelerated LLB can be followed by a one-year LLM.

### Career prospects

If you intend to become a solicitor or barrister in England and Wales you must, in addition to the Common Law LLB, complete a one-year postgraduate vocational qualification: the Legal Practice Course (LPC) for solicitors or the Bar Professional Training Course (BPTC) for barristers and proceed to the remaining requirements of full-time training for professional qualification. There is then a period of full-time training for two years to become a solicitor or one year to become a barrister. These are the current requirements. A new system of qualification is being introduced by the Solicitors Regulation Authority which will begin in 2021. To qualify for legal practice in other countries you must pass additional examinations in the appropriate legal system before proceeding to professional training and qualification. These requirements will vary according to the intended jurisdiction for professional practice.

The LLB provides a sound general foundation for a range of careers. These include the Civil Service, local government, journalism, industry and commerce, international institutions, administration, banking, insurance, social work and the police service.

#### Why choose Glasgow?

Glasgow School of Law has a hugely successful study abroad programme with more than 60% of students undertaking international mobility.

## LAW: SCOTS LAW

The Scots Law degree is intended for applicants from Scotland or who are intending to pursue a legal career in Scotland. The Scots Law curriculum offers intellectual depth and has a range of flexible options.



### LLB (Hons) (M114): Four years LLB (Fast Track) (M115) – graduates only

*Joint Honours available; see page 144. Students taking a Joint Honours degree can complete all the courses necessary to apply for entry to the next stage of professional training for a career in Scottish law, the Diploma in Professional Legal Practice. A Joint Honours degree does not involve a period of additional study but please note that in some cases timetabling issues may arise.*

**Applicants should apply for either the Scots Law LLB or the Common Law LLB, not both, since we will only make an offer of a place on one LLB degree. Scottish students would normally be expected to apply for the Scots Law LLB. Scottish students applying for the Common Law LLB should make it clear in their application why they wish to be considered for this degree.**

### Year 1

You will study Introduction to legal study, Constitutional law, Obligations (contract, delict and unjustified enrichment) and Family law. You will also have the opportunity to take options such as Roman law of properties and obligations and Criminal law and evidence.

### Year 2

You will study Jurisprudence, and Law and government. If you intend to enter the Scottish Legal Profession you must take the following courses during your degree, normally taken in year 2: Business organisations, Commercial law, Criminal law and evidence, European Union law and Property law. In addition there is a range of optional courses such as International private law.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you can choose from a wide range of courses and you will have the opportunity to specialise in a chosen area of law.

### Two-year LLB (Fast track)

The accelerated LLB allows graduates in other disciplines to obtain a degree in two years which will qualify them for entry to the Diploma in Professional Legal Practice and the solicitor branch of the legal profession. It is available to all applicants holding a first degree at minimum of 2:1 or equivalent.

### Law with Languages or Law with Legal Studies

A language may be studied for three years of the Honours degree (the Law with Legal Studies programme) or throughout the four years of the degree

[glasgow.ac.uk/ug/scotslaw](http://glasgow.ac.uk/ug/scotslaw)

### Summary of entry requirements for Scots Law

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA + BB Advanced Higher (AAABB S5 minimum for consideration)  
Additional requirements: Higher English. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information).

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABBB – BBBBB  
Additional requirements: Higher English. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information). Successful completion of Reach.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAA  
Additional requirements: A-level English or GCSE English Grade A/ 7. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information).

**IB Standard Entry Requirements**  
38 (6,6,6 HL) – 34 (6,5,5 HL)  
Additional requirements: HL English. LNAT ([www.lnat.ac.uk](http://www.lnat.ac.uk) for more information).  
For detailed entry requirements see [glasgow.ac.uk/ug/scotslaw](http://glasgow.ac.uk/ug/scotslaw).

(the Law with Languages programme). Language study is an integrated part of this degree, during the first two years of which language skills will be carefully developed. Both programmes require you to spend your third year studying Law in a partner university abroad, where teaching and learning take place in French, German, Italian, Portuguese or Spanish.

### Career prospects

If you intend to become a solicitor or advocate in Scotland you must, in addition to the LLB, complete a one-year postgraduate vocational qualification – the Diploma in Professional Legal Practice. There is then a period of full-time training for two years to become a solicitor, and up to two and a half years to become an advocate.

If you intend to become a solicitor or barrister in England and Wales after completion of the Scots Law degree, you can take a small number of additional subjects in the English legal system to qualify to undertake the Legal Practice Course (LPC) or the Bar Professional Training Course (BPTC) and proceed to the remaining requirements of full-time training for professional qualification.

The LLB degree provides a sound general foundation for a range of careers. These include the Civil Service, local government, journalism, industry and commerce, international institutions, administration, banking, insurance, social work and the police service.

### Why choose Glasgow?

Glasgow School of Law has a hugely successful study abroad programme with more than 60% of students undertaking international mobility.

## MARINE & FRESHWATER BIOLOGY

Marine and freshwater biology is the study of the world's aquatic environments.



### BSc (Hons) (C164): Four years MSci: Five years

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and you will be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study a wide range of topics including animal diversity and its classification; ethical aspects of scientific work; evolution and ecology; wildlife conservation; animal behaviour and animal welfare; environmental management (aquatic pollution); and aquatic environments.

You will undertake an independent research project, carried out in the laboratory, or in the field, at home or abroad.

You can take Marine & Freshwater Biology as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing research in industry or some other organisation such as a research institute in the UK or overseas.

The available final-year optional courses are subject to change each year. Places on optional courses may be limited, so students are not guaranteed a place on a particular final-year option.

[glasgow.ac.uk/ug/marinefreshwaterbiology](http://glasgow.ac.uk/ug/marinefreshwaterbiology)

### Summary of entry requirements for Marine & Freshwater Biology

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

**IB Standard Entry Requirements**  
36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.  
For detailed entry requirements see [glasgow.ac.uk/ug/marinefreshwaterbiology](http://glasgow.ac.uk/ug/marinefreshwaterbiology).

### Career prospects

Your qualification is an entry point to a wide range of careers that demand the analytical and science-based communications skills developed during this degree programme. Our graduates move into many careers including conservation, environmental management, fisheries and aquaculture. Many choose to continue on to postgraduate study.

### Why choose Glasgow?

We have an Exploration Society to help you organise and conduct scientific expeditions to all parts of the world.



# MATERIALS CHEMISTRY

Materials chemistry is focused on studying the role chemistry can play in areas such as nanotechnology, electronics, polymers and energy storage. Materials chemists study how fundamental knowledge of chemistry could be put into practical applications.



**BSc (Hons) (F108): Four years**  
**MSci with European placement (F106): Five years**  
**MSci with Work placement (F107): Five years**

## Year 1

Topics include the periodic table and main group chemistry, transition metal chemistry, organic chemistry, chemical kinetics, states of matter, chemical energy changes, aqueous equilibria and pH, and macromolecules.

You will also study other subjects in years 1 and 2.

## Year 2

The topics covered include molecular thermodynamics, organic stereochemistry, quantum mechanics and chemical bonding, organometallic chemistry, main group chemistry, enols and enolates, spectroscopy, solids and surfaces, aromatic chemistry, coordination chemistry, organic synthesis, electrochemistry and applied organic chemistry.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study advanced topics including nanomaterials, organic electronics and photonics, advance materials characterisation, catalysis, supramolecular and polymer chemistry, spectroscopy, electrochemistry, as well as main group and transition metal chemistry. In your final year you will undertake a research project at the frontiers of the subject with energy, organic LEDs and solar cells, or photonics applications, for example making a Li-ion battery and testing it for electrochemical performance.

You can take Materials Chemistry as an MSci degree which includes an additional work placement year in the UK or overseas, between the third and final years of the degree.

## Summary of entry requirements for Materials Chemistry

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAB at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Mathematics and Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

## A-level Standard Entry Requirements

ABB – BBB

Additional requirements: A-level Mathematics and Chemistry.

## IB Standard Entry Requirements

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/materialschemistry](http://glasgow.ac.uk/ug/materialschemistry).

## Career prospects

Our chemistry graduates are employed as chemists working in research, process development and analysis, as well as in management, marketing, environmental control, patents and finance. Recent graduates from the School of Chemistry have been employed by EDF Energy, Quotient Clinical, Reckitt Benckiser, Sterling Medical Innovation and Synergy Outsourcing.

## Why choose Glasgow?

You will learn, from practical hands-on experiences, comprehensive lecture courses presented by leading researchers and study of advanced analytical methods, what it takes to make materials of the future.

# MATHEMATICS

Mathematics is a vast and ever-growing subject which incorporates successful explorations of numerical, geometrical and logical relationships.



**BSc (Hons) (G100): Four years**  
**MSci (G101): Five years**  
**MA (Hons) (G102): Four years**

Joint Honours available, including Statistics and Physics; see page 142.

## Year 1

You will take a 40-credit course covering matrices, linear equations, probability, complex numbers, vectors and calculus.

You will also study other subjects in years 1 and 2.

## Year 2

Courses cover multivariable calculus, linear algebra, topics in applied mathematics, classical mechanics and mathematical modelling, introduction to real analysis, topics in pure mathematics including groups, transformations and symmetries.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4), you will study a wide range of topics.

The Applied Mathematics courses allow students who prefer the practical and applicable aspects of the subject to concentrate on these elements. The Pure Mathematics courses are ideal for students who prefer the abstract and logical aspects of the subject.

In fourth year you will have the opportunity to specialise in your area of choice and undertake a project carried out under one-to-one supervision. There is also an opportunity to take an MSci degree over five years, which explores mathematics topics in greater depth and includes an individually supervised research project.

## Summary of entry requirements for Mathematics

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements:

BSc: Higher Mathematics and a Higher Science subject.

MA: Higher Mathematics and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements:

BSc: Higher Mathematics and a Higher Science subject.

MA: Higher Mathematics and a Higher Humanities subject.

Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

## A-level Standard Entry Requirements

AAB – BBB

Additional requirements:

BSc: A-level Mathematics.

MA: A-level Mathematics and A-level Humanities subject.

## IB Standard Entry Requirements

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

BSc: HL Mathematics.

MA: HL Mathematics and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/mathematics](http://glasgow.ac.uk/ug/mathematics).

## Career prospects

Many of our graduates go on to careers in the financial services sector or computing, or undertake postgraduate study. Others are employed in industry, using the modelling and problem-solving skills gained on the programme.

Our recent graduates have been employed by PricewaterhouseCoopers, Grant Thornton, Alexander Sloan, Cigna, Deloitte, Royal Bank of Scotland and Credit Suisse.

## Why choose Glasgow?

Our ambassador scheme gives students the chance to spend time in schools, experiencing teaching at first hand and developing vital workplace skills.

# MECHANICAL DESIGN ENGINEERING

This degree programme is firmly rooted in the mainstream mechanical engineering discipline but places greater emphasis on the interplay between design and manufacturing, which is explored through individual and group projects.



**BEng (HH37): Four years**  
**MEng (HHJ7): Five years**

You will study the same courses in the first three years whether on the BEng or MEng degree programme.

## Year 1

You will take a wide-ranging curriculum which includes courses in mechanical design and manufacturing, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Year 2

You will study further basic engineering subjects including applicable mathematics, applied mechanics, fluid mechanics, microelectronics, engineering computing, materials, power electronics, thermodynamics, and design and manufacture.

## Year 3

You will study more advanced engineering subjects such as engineering design, dynamics and control, mechanics of solids, heat transfer, design and manufacture, materials and manufacture, mathematical modelling and simulation, and mechanics of materials and structures.

## Years 4 and 5

In year 4 of the BEng programme, students undertake an individual and a group design project. Year 4 MEng students undertake further design projects including a multidisciplinary project. Year 5 of the MEng programme includes the final-year industrial project, and provides additional management skills and in-depth options of engineering subjects including mechanics of solids, dynamics and desalination technology.

## Summary of entry requirements for Mechanical Design Engineering

### SQA Higher Entry Requirements

**BEng:** AAB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*  
**MEng:** AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

#### BEng: AAB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

#### BEng: AAB – BBB

#### MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

#### BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

#### MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/mechanicaldesignengineering](http://glasgow.ac.uk/ug/mechanicaldesignengineering).

## Career prospects

Recent graduates have been employed by Babcock, Chevron, Wood Group, Spooner, Green Co. Mineral Water, Scottish Power Renewables, Jee Ltd, Oyl Manufacturing, BAE Systems, Rolls-Royce and Score Europe.

## Why choose Glasgow?

You will complete an extensive design project, which will allow you to integrate the various design skills and understand the business and social context within which design takes place.

# MECHANICAL ENGINEERING

This degree programme provides a thorough grounding in mechanical engineering principles and their applications, together with the skills needed to solve real mechanical engineering problems.



**BEng (H300): Four years**  
**MEng (H302): Five years**

You will study the same courses in the first three years whether on the BEng or MEng degree programme.

## Year 1

You will take a wide-ranging curriculum which includes courses in mechanical engineering, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Year 2

You will study further basic engineering subjects including applicable mathematics, applied mechanics, fluid mechanics, microelectronics, engineering computing, materials, power electronics, thermodynamics, design and manufacture.

## Year 3

You will study more advanced engineering subjects including dynamics and control; fluid power; engineering design; fluid mechanics; thermodynamics of engines; heat transfer; instrumentation and data systems; materials and manufacture; mathematical modelling and simulation; and mechanics of materials and structures.

## Years 4 and 5

In year 4 you will study a range of courses: advanced thermal engineering, control, lasers and electro-optic systems, materials engineering, mechanics of solids, robotics, vibration, renewable energy and design projects. In year 5 individual project work forms a major component of the MEng programme, which has a strong industrial bias. Further courses are chosen, including advanced control systems engineering and others. You will also undertake a management course.

## Summary of entry requirements for Mechanical Engineering

### SQA Higher Entry Requirements

**BEng:** AAB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\*  
**MEng:** AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*  
\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

#### BEng: AAB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

#### BEng: AAB – BBB

#### MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

#### BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

#### MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/mechanicalengineering](http://glasgow.ac.uk/ug/mechanicalengineering).

## Career prospects

Recent graduates have been employed by Babcock, Chevron, Wood Group, Spooner, Scottish Power Renewables, Jee Ltd, Oyl Manufacturing, BAE Systems and Rolls-Royce.

## Why choose Glasgow?

You will benefit from our strong links with industry, with practising engineers contributing to lectures and providing employment opportunities.



# MECHANICAL ENGINEERING WITH AERONAUTICS

This degree programme bridges the divide between aeronautics and mechanical engineering and thus provides its graduates with the crossdisciplinary background needed to flourish in one of the most challenging engineering fields.



**BEng (H3H4): Four years**  
**MEng (H3HK): Five years**

You will study the same courses in the first three years on both the BEng and MEng degree programmes.

## Year 1

You will take a wide-ranging curriculum including courses in aeronautics, mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Year 2

You will study applicable mathematics, applied mechanics, design and manufacture, microelectronics, thermodynamics, engineering computing, aerodynamics, mathematics, materials and power electronics.

## Year 3

You will study more advanced engineering subjects: aerodynamics and fluid mechanics, aircraft performance, dynamics and control, flight mechanics, materials and manufacture, mathematical modelling and simulation, mechanics of materials and structures, propulsion and turbomachinery, and heat transfer.

## Years 4 and 5

In year 4 you will study a range of core subjects plus a choice of advanced options. You will also undertake a team aerospace design project. Year 4 MEng students also undertake a multidisciplinary group project. In year 5 of the MEng programme an aerospace-focused individual project forms a major component of the programme, and in addition there are options from advanced engineering subjects.

## Summary of entry requirements for Mechanical Engineering with Aeronautics

### SQA Higher Entry Requirements

BEng: AABB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*

MEng: AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*

\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

BEng: AABB

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

BEng: AAB – BBB

MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/mechanicalengineeringwithaeronautics](http://glasgow.ac.uk/ug/mechanicalengineeringwithaeronautics).

## Career prospects

Graduates of this programme can expect to be much in demand in the aerospace industry with companies such as BAE Systems and Rolls-Royce, as well as in mainstream mechanical engineering.

### Why choose Glasgow?

You will benefit from our strong links with the aerospace industries. MEng students take part in a flight-testing course in a Jetstream aircraft.

# MECHATRONICS

In order to compete successfully in a global market, modern manufacturing companies must have the ability to integrate electronics, control, software and mechanical engineering into a range of innovative products and systems. Graduates of this programme will have this interdisciplinary knowledge, skill and approach to engineering.



**BEng (H730): Four years**  
**MEng (H731): Five years**

Accreditation is being sought for this programme. Please check the website for updates. You will study the same courses in the first three years whether you are on the BEng or MEng degree programme.

## Year 1

You will take a wide-ranging curriculum which includes courses in mechanical engineering, mathematics, dynamics, digital and analogue electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Year 2

You will continue to study mathematics and fundamental engineering courses linking the mechanical and electrical domains which form the basis for the study of mechatronics.

## Year 3

You will develop knowledge and skills in electronic system design, real-time programming and control systems. This is combined with study of mechanical instrumentation and data systems to develop the interdisciplinary skills necessary to undertake a mechatronic group design project.

## Years 4 and 5

In years 4 and 5 you will take a range of courses in engineering. In addition you will take courses in professional practice including developing business plans, understanding professional and legal requirements, and management. In your final year you will undertake a major individual project which, for the MEng degree, may be in industry or on an industry-supported topic. The final year is completed by a range of in-depth technical courses.

## Summary of entry requirements for Mechatronics

### SQA Higher Entry Requirements

BEng: AABB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*

MEng: AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\*

\*B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

BEng: AABB Higher

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

BEng: AAB – BBB

MEng: AAA – ABB

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/mechatronics](http://glasgow.ac.uk/ug/mechatronics).

## Career prospects

Graduates will have the interdisciplinary approach necessary to integrate electronics, control, software and mechanical engineering.

### Why choose Glasgow?

Many engineering employers offer well-paid summer placements and, in some cases, sponsorship.

# MEDICINE

The Medical School generates and sustains excellence in education and research in a friendly, supportive and stimulating environment. Our medical graduates are highly regarded for the breadth of their undergraduate experience and ability.



MBChB (A100): Five years

**Phase 1** – occupies the first half of year 1. It is an overview of basic biomedical sciences, providing you with the knowledge required to engage in the rest of the undergraduate programme. You will undertake Vocational & professional studies, have your first Clinical skills sessions and undertake a clinical visit to an A&E ward or General Practice.

**Phase 2** – occupies the second part of year 1 and the whole of year 2. It covers the anatomy, physiology, pharmacology, biochemistry (and related biomedical sciences) of the major clinical systems, as well as Vocational & professional studies, Communication skills and Clinical skills.

**Phase 3** – occupies the first half of year 3 and covers clinical systems with a focus on pathophysiology. There are major contributions from pathology, microbiology, haematology, clinical biochemistry and clinical pharmacology, and the small-group teaching focuses on clinical cases, using case-based learning, with a clinical tutor. You will have one day per week in hospital or general practice. You will also receive clinical procedural skills teaching.

**Phase 4** – occupies the second half of year 3, all of year 4 and the first half of year 5. It is based in hospitals and in general practice, with dedicated academic days. Teaching is structured around 5–10 week clinical attachments, and students rotate through general medicine and surgery, obstetrics and gynaecology, child health, general practice, psychiatry and a variety of hospital sub-specialties.

## Preparation for practice (PfP)

PfP is the final component of the course following the final exams. It involves shadowing foundation-year doctors in hospital and includes a lecture programme.

## Student-selected components

You will be able to choose a variety of student-selected components (SSCs) that allow you to personalise your learning experience. SSCs are five week-long blocks selected from a range of available options and are taken in years 2, 3 and 4. Projects cover topics from the core curriculum as well as topics outside medicine including humanities and languages.

## Electives

The MBChB at Glasgow is unusual in having two electives, each for four weeks, during the vacations at the end of years 3 and 4. Electives are experiential in nature, obtaining personal, professional and clinical experiences in any recognised clinical speciality, including general practice and public health.

[glasgow.ac.uk/ug/medicine](http://glasgow.ac.uk/ug/medicine)

## Summary of entry requirements for Medicine

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher at end of S5 + BBB Advanced Higher or AB Advanced Higher + B Higher in S6

Additional requirements: Highers Chemistry, Biology and Physics or Mathematics. National 5 English at Grade B. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AAABB Higher at end of S5 + BBB Advanced Higher or AB Advanced Higher + B Higher in S6

Additional requirements: Highers Chemistry, Biology and Physics or Mathematics. National 5 English at Grade B. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview. Successful completion of Reach.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

## A-level Standard Entry Requirements

AAA

Additional requirements: A-Levels Chemistry and Biology or Physics or Mathematics. GCSE English at Grade B or 6. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview.

## IB Standard Entry Requirements

38 (6,6,6 HL)

Additional requirements: HL subjects Chemistry and Biology SL Physics or Mathematics at 6 (HL recommended) SL English at 6. UCAT ([www.ucat.ac.uk](http://www.ucat.ac.uk) for more information). Interview.

Successful applicants are required to undertake satisfactory health and police checks before commencing Medicine. Information on standards of undergraduate medical students can be found at [www.gmc-uk.org/education](http://www.gmc-uk.org/education).

For further information on MBChB admissions and disclosure checks see [glasgow.ac.uk/medicine/mus/admissions](http://glasgow.ac.uk/medicine/mus/admissions).

For detailed entry requirements see [glasgow.ac.uk/ug/medicine](http://glasgow.ac.uk/ug/medicine).

## Career prospects

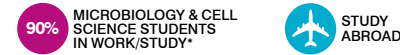
Medical career options range from hospital-based specialties such as surgery, to community-based specialties such as general practice. Almost all of our graduates start their careers as doctors with the NHS in hospitals around Scotland, although some travel further afield to various parts of England and Northern Ireland. Important information on GMC registration can be found at [glasgow.ac.uk/medicine/mus/admissions](http://glasgow.ac.uk/medicine/mus/admissions).

## Why choose Glasgow?

You will gain experience in clinical environments throughout the West of Scotland, including the University's newly refurbished medical teaching centre at the Glasgow Royal Infirmary and the Queen Elizabeth University Hospital, which boasts a purpose-built learning and teaching facility, teaching laboratories and a state-of-the-art clinical skills suite. Medicine at Glasgow is ranked 3rd in the UK (*Complete University Guide 2020*).

# MICROBIOLOGY

Microbiology is the study of all aspects of microorganisms such as bacteria, viruses and parasites including their identification, transmission, interaction with the host in disease and the growing problem of antimicrobial resistance.



BSc (Hons) (C500): Four years  
MSci: Five years

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

## Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study other subjects in years 1 and 2.

## Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will learn about many aspects of microbiology with particular emphasis on prevention, treatment and pathogenicity of bacterial, parasitic and viral infectious diseases.

In year 4 you will choose from a range of specialised advanced courses and undertake a research project under supervision from within the University or an institution such as a hospital.

Microbiology can be taken as an MSci, which includes an additional placement year between year 3 and the final year of the degree. This is normally spent doing research in industry or a research institute, in the UK or overseas, and often attracts a modest salary.

The available final-year optional courses may change each year and places may be limited.

During the final Honours year, you will have the opportunity to apply for an endorsement on your BSc (Hons)/MSci Microbiology degree, depending on the combination of optional courses taken. The endorsements are:

- BSc (Hons)/MSci Microbiology with a specialisation in Bacteriology
- BSc (Hons)/MSci Microbiology with a specialisation in Parasitology
- BSc (Hons)/MSci Microbiology with a specialisation in Virology.

[glasgow.ac.uk/ug/microbiology](http://glasgow.ac.uk/ug/microbiology)

## Summary of entry requirements for Microbiology

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)

Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

## A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

## IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/microbiology](http://glasgow.ac.uk/ug/microbiology).

## Career prospects

Our graduates are employed in many different industries, including public health and hospital laboratories, food, brewing and petroleum industries, water and aquaculture companies. Others choose to progress to postgraduate study and follow research careers. Our graduates are equipped with a flexible, broad-based training that takes them in many directions. The final-year options provide ample opportunity for specialisation towards your chosen career.

## Why choose Glasgow?

You'll receive practical training in aspects of epidemiology at the Marine Biology Station at Millport in the Firth of Clyde. You will have the opportunity to include a specialisation in Bacteriology, Parasitology or Virology.



## MOLECULAR & CELLULAR BIOLOGY

Molecular and cellular biology combines genetics and biochemistry to understand life at the molecular level and it aims to explain how molecular function produces the hierarchy of living cells, tissues and ultimately whole organisms.



**BSc (Hons) (C720): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study a broad spectrum of molecular topics: molecular genetic methods, genomics, proteins, membranes and filaments, DNA structure and function, gene expression, mobile DNA, biotechnology, essential cell biology and experimental strategies.

In year 4 you will learn to study and interpret primary data from current research and you will choose from a range of specialised advanced courses. You will also undertake a research project.

Molecular & Cellular Biology can be taken as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing research in industry or some other organisation such as a research institute, in the UK or overseas. The available final-year optional courses may change each year and places may be limited.

### Summary of entry requirements for Molecular & Cellular Biology

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/molecularcellularbiology](http://glasgow.ac.uk/ug/molecularcellularbiology).

### Career prospects

Our graduates are employed in the pharmaceutical, biomedical and biotechnological industries; others go on to postgraduate research in laboratories and then into research careers. Graduates are able to move readily into related specialties such as biotechnology, genetics, immunology, microbiology, pharmacology and physiology.

### Why choose Glasgow?

You will gain hands-on experience of modern laboratory techniques.

## MOLECULAR & CELLULAR BIOLOGY (WITH BIOTECHNOLOGY)

Biotechnology seeks to optimise the utilisation of microorganisms, animals, plants and their cellular components in industrial, medical and agricultural processes and in environmental management.



**BSc (Hons) (C110): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study a broad spectrum of molecular topics to learn the key sciences that underpin biotechnology: molecular genetic methods, genomics, proteins, membranes and filaments, DNA structure and function, gene expression, mobile DNA, biotechnology, essential cell biology and experimental strategies. In year 4 you will learn to study and interpret primary data from current research and choose from a range of specialised advanced courses. You will also undertake a research project.

Molecular & Cellular Biology (with Biotechnology) can be taken as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing research in industry or a research institute in the UK or overseas.

The available final-year optional courses may change each year and students are not guaranteed a place on a particular final-year option.

### Summary of entry requirements for Molecular & Cellular Biology (with Biotechnology)

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/biotechnology](http://glasgow.ac.uk/ug/biotechnology).

### Career prospects

Many of our graduates undertake further study to pursue careers in scientific research in academic institutions, or in laboratories of biotechnology or biomedical industries. Others find employment in industries based in biotechnology, pharmaceuticals and agrochemicals and in the health service, such as in hospital laboratories.

### Why choose Glasgow?

You will gain hands-on experience of modern laboratory techniques.

# MOLECULAR & CELLULAR BIOLOGY (WITH PLANT SCIENCE)

Plant science combines a broad range of approaches to understand how plants function in the natural world.



**BSc (Hons) (C200): Four years**  
**MSci: Five years**

## Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study a broad spectrum of molecular topics: molecular genetic methods, genomics, proteins, membranes and filaments, DNA structure and function, gene expression, mobile DNA, biotechnology, essential cell biology and experimental strategies.

You will also study molecular aspects of plants, plant metabolism, biotechnology, plant physiology, and plant growth and development. You will undertake a research project.

Molecular & Cellular Biology (with Plant Science) can be taken as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing research in industry or a research institute in the UK or overseas.

The available final-year optional courses may change each year and students are not guaranteed a place on a particular final-year option.

## Summary of entry requirements for Molecular & Cellular Biology (with Plant Science)

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/plantscience](http://glasgow.ac.uk/ug/plantscience).

## Career prospects

There are increasing opportunities in the agrochemical, pharmaceutical and fermentation industries, particularly for those graduates with interests in plant molecular biology and biotechnology.

Graduates with ecological interests are increasingly being employed to monitor the environmental aspects of such industries and in conservation work. Other areas of employment include the Scientific Civil Service, government research laboratories and teaching.

## Why choose Glasgow?

You will gain hands-on experience of modern laboratory techniques.

# MUSIC (BMus)

The BMus is a single-subject degree for those who are interested in pursuing a career in music. It provides a strong grounding in core disciplines and allows you to pursue your specialist interests in third and fourth years.



**BMus (W302): Four years**

## Year 1

You will take courses in Performance, Orchestration, Listening in culture, Listening through analysis and Musical techniques. You will also take one course from topics such as:

- Analysis
- Aesthetics and philosophy of music
- Musical culture in the long 19th century
- Opera
- Jazz and blues
- Romantic song
- J S Bach.

## Year 2

You will take courses in Musical techniques and Composition. You will also choose to study other topics such as:

- Analysis
- Aesthetics and philosophy of music
- Musical culture in the long 19th century
- Sonic arts
- Jazz and blues
- Romantic song
- J S Bach
- Performance.

## Years 3 and 4

In the latter part of your degree your studies become more specialised. You can take your composition further or concentrate on performance or pursue the creative use of music technology through sonic arts. If music history and culture is of more interest to you there are courses in 20th-century music, film music, performance practice, and the music of Scotland. You will write a dissertation on a topic of your choice under one-to-one supervision.

## Summary of entry requirements for Music (BMus)

### SQA Higher Entry Requirements (by end of S6)

AAAB  
Additional requirements: Higher Music. Audition.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher Music. Audition. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Music. Audition.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Music. Audition.

For detailed entry requirements see [glasgow.ac.uk/ug/musicbmus](http://glasgow.ac.uk/ug/musicbmus).

## Career prospects

The BMus degree provides a strong foundation for careers in performance, composition, research and teaching, music administration, journalism, publishing and librarianship. It provides an unusual breadth of strong transferable skills which are applicable to a wide range of careers outside music.

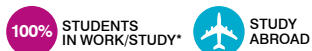
## Why choose Glasgow?

You will be given a bursary towards the cost of private instrumental or vocal tuition.



## MUSIC (MA)

If you have practical experience in music and a keen interest in the technical, cultural, historical, and philosophical questions it opens up, this programme is for you.



**MA (Hons) (W300): Four years**

Joint Honours available; see page 143.

### Year 1

You will take two courses: Listening in culture and Listening through analysis. The first encourages an open-minded, multidisciplinary approach to listening and writing about music of all genres and styles, while the second explores more technical approaches to the understanding and analysis of musical works and events, as transmitted through notation, live performance, recording or audiovisual media.

**You will also study other subjects in years 1 and 2.**

### Year 2

A compulsory course in Musical techniques will develop your grounding in the core Western musical disciplines of harmony and counterpoint, leading to stylistic composition. In addition, you will choose one other Music course (or two if continuing to Honours) to suit your own main interests in the field.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you can choose from a range of subjects including Historiography of music, Music criticism, Sonic arts, Composition, Jazz and blues, Aesthetics and philosophy of music, Bach, Debussy, Opera, Film music, Contemporary music ensemble, Multimedia, Notation, Aspects of modernity, Music of Scotland, Popular music politics and Performance (subject to successful audition). You can also choose one of the team-taught courses (Gender or Inter-war cultures) provided by the School of Culture & Creative Arts. You will write a dissertation on a topic of your choice under one-to-one supervision.

### Summary of entry requirements for Music (MA)

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB  
Additional requirements: one A-level Humanities subject.

**IB Standard Entry Requirements**  
36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/musicma](http://glasgow.ac.uk/ug/musicma).

### Career prospects

Music degrees provide a sound foundation for careers in arts and music administration, journalism, publishing, teaching, librarianship and cultural entrepreneurship, as well as for careers in performance, composition or research. They also provide strong transferable skills applicable to a wide range of careers outside music.

### Why choose Glasgow?

In each year you are given a range of options from which to choose, allowing you to design your own degree to cater to your own particular interests and strengths.

## NEUROSCIENCE

Neuroscience is the study of the brain and the rest of the nervous system in humans and other animals.



**BSc (Hons) (B140): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will take courses that provide you with an overview of human biology, the central nervous system, molecular biology and developmental biology. You will also have lectures specific to your chosen area of interest, and practicals and workshops in neuroscience.

In year 4 you will study four specialised neuroscience-related topics chosen from the Honours options. You will also complete a research project.

You will gain experience of practical techniques including experimental design, ways of gathering data and statistical analysis of data, and develop skills in collecting and presenting information.

You can take Neuroscience as an MSci, which includes an additional placement year, between the third and final years of the degree. This is normally spent doing research in industry or a research institute in the UK or overseas.

The available final-year optional courses may change each year and students are not guaranteed a place on a particular final-year option.

### Summary of entry requirements for Neuroscience

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.  
\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

**IB Standard Entry Requirements**  
36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/neuroscience](http://glasgow.ac.uk/ug/neuroscience).

### Career prospects

Our graduates are employed in a range of areas including the pharmaceutical industry in the UK and overseas. Many go on to undertake postgraduate research degree programmes.

### Why choose Glasgow?

You will gain hands-on experience of modern laboratory techniques.

## NURSING

As the largest group within the healthcare workforce, nurses have a pivotal role in providing, leading and coordinating care. Nurses work within the multidisciplinary team, across a range of health and social care environments, supporting service-users to make informed decisions about their holistic healthcare requirements.



**BN (Hons) (B700): Four years**

### Year 1

You will study a range of subjects including nursing, health studies, social sciences, biomedical sciences, evidence-based practice and ethics. The focus of your study in first year is the healthy individual and caring for people in communities. You will begin to learn communication and relationship skills and nursing procedures and undertake clinical placements in hospital and community settings.

### Year 2

You will study adult nursing and deepen your knowledge and understanding of biomedical sciences and ethics. Biomedical science subjects include anatomy, physiology, biochemistry and microbiology. Your core nursing course will include the study of pharmacology, health and social care policy and research for evidence informed practice. The course assists students in making the link between health, ill health and disease processes. It will provide a foundation for further study of human disease in year three. You will undertake further clinical placements and further develop your communication and relationship skills and nursing procedures.

### Year 3

Year 3 (Junior Honours) adopts a holistic approach to the in-depth study of a range of human diseases and health conditions. You will continue your study of adult nursing, human disease and pathology and pharmacology. You will also further develop your understanding of research and the relevance of research for evidence informed nursing practice. Looking forward to your career as a registered nurse, you will learn the skills required to supervise nursing students on clinical placement and consolidate your learning in relation to communication and relationship skills and nursing procedures, which will prepare you for an array of opportunities on your clinical placements.

### Year 4

In the Senior Honours year, you will undertake a period of study over two semesters that incorporates the final clinical practice placement. You will have the opportunity to investigate an area of interest related to clinical practice through a written dissertation. You will learn more about nursing policy, leadership, management and professionalism in the nursing and healthcare context to further develop your

### Summary of entry requirements for Nursing

#### SQA Higher Entry Requirements (by end of S6) AABBB

Additional requirements: two Highers from Chemistry, Biology, Physics, Mathematics. National 5 Mathematics, Chemistry, English at Grade B. Interview.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6) AABBB – ABBBB

Additional requirements: two Highers from Chemistry, Biology, Physics, Mathematics. National 5 Mathematics, Chemistry, English at Grade B. Interview. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### ABB – BBB

Additional requirements: two A-Levels from Chemistry, Biology, Physics, Mathematics. GCSE English, Chemistry and Mathematics at Grade B or 5. Interview.

#### IB Standard Entry Requirements

##### 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: two HL subjects from Chemistry, Biology, Physics, Mathematics. SL English, Chemistry and Mathematics at 4. Interview.

For detailed entry requirements see [glasgow.ac.uk/ug/nursing](http://glasgow.ac.uk/ug/nursing).

understanding of the factors that affect care and the ways in which you can influence care.

### Career prospects

The Bachelor of Nursing (Honours) programme, with its strong scientific basis, prepares our graduates for all areas of care. On qualifying, our graduates have been employed throughout the UK and the rest of the world.

### Accreditation

The Nursing & Midwifery Council (NMC) recognises this programme for the purpose of registration as an Adult Nurse.

### Important information

During this programme, you will be required to attend placements anywhere within the Greater Glasgow area. Please refer to [glasgow.ac.uk/ug/nursing](http://glasgow.ac.uk/ug/nursing) for details of additional subject-specific entry criteria.

### Why choose Glasgow?

The Bachelor of Nursing programme at Glasgow is consistently ranked at the top of the university league tables: for 2020 Nursing was ranked top in the UK in the *Complete University Guide*, 2nd in the UK in *The Times and Sunday Times Good University Guide* and 3rd in the UK for Nursing & Midwifery in the *Guardian University Guide*.

[glasgow.ac.uk/ug/nursing](http://glasgow.ac.uk/ug/nursing)

## PHARMACOLOGY

Pharmacology is the study of drugs – not just medicines, but also substances produced within the body, such as hormones. It also encompasses the study of food additives, agricultural compounds such as insecticides, and even animal venoms and toxins.



### BSc (Hons) (B210): Four years MSci: Five years

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

#### Note

Pharmacology is not the same as pharmacy and this degree does not qualify you as a pharmacist.

### Year 1

You will be given a general introduction to all aspects of modern biology and taught general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study the principles of pharmacology and the effects and mechanisms of the major drugs, and undertake specialised study of molecular, cardiovascular and neuro-pharmacology. In year 3, you will learn the basic principles of quantitative pharmacology, practical skills and laboratory techniques. Fourth year includes four Honours option courses and a research project. By the end of year 4 you should be familiar with all aspects of drug action and be able to originate hypotheses for new experiments, and to design and execute experiments to test them.

You can take Pharmacology as an MSci, which includes an additional placement year, between the third and final years of the degree, normally doing research in industry or a research institute in the UK or overseas.

The available final-year optional courses may change each year and students are not guaranteed a place on a particular option.

[glasgow.ac.uk/ug/pharmacology](http://glasgow.ac.uk/ug/pharmacology)

### Summary of entry requirements for Pharmacology

#### SQA Higher Entry Requirements (by end of S6) AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)

Additional requirements: Higher Biology or Chemistry.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6) AABBB – BBBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

##### AAB – BBB

Additional requirements: A-level Biology or Chemistry.

#### IB Standard Entry Requirements

##### 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/pharmacology](http://glasgow.ac.uk/ug/pharmacology).

### Career prospects

Many of our graduates work in academia and the pharmaceutical industry. The majority of graduates continue with research studies and gain MSc and PhD qualifications before moving into employment.

### Why choose Glasgow?

You may have the opportunity to go on a work placement to companies such as AstraZeneca, GlaxoSmithKline and Pfizer.



# PHILOSOPHY

Philosophy is the systematic attempt to arrive at clear answers to profound questions about issues such as knowledge, life, morality, science and human nature using reason and argument.



**MA (Hons) (V502): Four years**

Joint Honours available; see page 143.

## Year 1

You will study two courses, which will introduce you to a range of philosophical tools and ideas by thinking through a series of tough philosophical questions. You will learn how to think critically about what to believe and how to behave in everyday life, how to reason formally, what makes actions good or bad, and explore some deeper questions about the meaning of life and death.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will study two more courses, continuing to build your knowledge of the basic philosophical toolkit by exploring tough questions concerning our minds, our free will, and our identities as individuals and members of societies. You will also explore foundational questions about logic, metaphysics, science and religion.

## Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose courses giving you an in-depth knowledge of core areas like epistemology, metaphysics, formal logic, moral philosophy, philosophy of mind, and political philosophy. You will also take high-level specialist courses linked to the active research of lecturers and researchers in the subject. In year 4 you will have the opportunity to write a dissertation, working one-to-one with a member of staff on a topic of your choice.

## Summary of entry requirements for Philosophy

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/philosophy](http://glasgow.ac.uk/ug/philosophy).

## Career prospects

You will develop transferable skills and attributes which will be valuable in your future career. These include the ability to evaluate arguments and interpret texts, the facility to be analytical, the skill to think and write clearly and precisely, and the capacity to question assumptions.

Some of our graduates go on to study for postgraduate degrees in Philosophy and to teach in universities. Examples of recent destinations for Philosophy graduates include Hydrogen Group (recruitment consultant), Hopscotch Films (TV researcher), *The Guardian* (audience editor) and Civil Service fast track (Treasury and MoD).

## Why choose Glasgow?

We host reading parties for students, usually in the Highlands, and have a flourishing undergraduate Philosophy Society.

# PHYSICS/THEORETICAL PHYSICS

Physics is the experimental and theoretical study of matter and energy and their interactions, ranging from the domain of elementary particles, through nuclear and atomic physics, to the physics of solids and, ultimately, to the origins of the universe itself.



**Physics BSc (Hons) (F300): Four years**  
**Physics MSci (F301): Five years**  
**Theoretical Physics BSc (Hons) (F344): Four years**  
**Theoretical Physics MSci (F340): Five years**

Joint Honours available; see page 143.

## Year 1

You will gain a basic understanding of the core topics in theoretical physics and the methods of experimental physics, and obtain a solid foundation for further study of the subject. Topics include dynamics, wave motion, properties of matter, thermal physics, optics, electricity and magnetism, and quantum physics.

**You will also study mathematics and other optional subjects in years 1 and 2.**

## Year 2

You will train in more specialised experimental techniques and study the latest developments in modern physics research. Topics include physics of waves, dynamics, physics of solids, thermal physics, electricity and magnetism, nuclear and particle physics, physics of optics and mathematical techniques.

## Years 3, 4 and 5

The Physics degree programmes emphasise technological applications such as laser physics, semiconductor physics and devices, modern signal processing technology, and magnetic and superconducting materials. The Theoretical Physics degree focuses on more advanced theoretical topics, and will involve specialised computational project work. In the final year, all students work on an independent research project embedded in one of the school's active research groups.

There is an opportunity to take an MSci degree, which explores physics topics in greater depth and includes a more extensive individually supervised project working at the cutting edge of international research.

## Summary of entry requirements for Physics/Theoretical Physics

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.  
Additional requirements: Higher Mathematics and Physics.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher Mathematics and Physics. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level Mathematics and Physics.

### IB Standard Entry Requirements

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)  
Additional requirements: HL Mathematics and Physics.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/physics](http://glasgow.ac.uk/ug/physics).

## Career prospects

The scientific knowledge and mathematical and analytical skills you acquire will equip you to work across a wide range of industries including aerospace, electronics, semiconductors, petroleum, communications, computing, medical physics, education, commerce and the Civil Service.

## Why choose Glasgow?

Many of our staff play leading roles in major international research projects, such as the Large Hadron Collider at CERN and the gravitational wave observatory LIGO.

# PHYSICS WITH ASTROPHYSICS

In this degree programme the study of physics is particularly focused on astrophysical phenomena: from stars and planets to galaxies and cosmology. Astrophysics provides a natural laboratory in which to explore the laws of physics, and in certain astrophysical objects – such as pulsars, quasars and black holes – to test those laws under extreme conditions.



**BSc (Hons) (F3F5): Four years**  
**MSci (F3FM): Five years**

## Year 1

You will gain a basic understanding of the main topics in theoretical physics and be introduced to the methods of experimental physics, acquiring a solid foundation for further study in physics.

**Physics, mathematics and astronomy are compulsory in year 1. Physics and mathematics are compulsory in year 2.**

## Year 2

You will learn more specialised experimental techniques and expand your knowledge of modern physics research. You will also be introduced to the foundations of astrophysics, covering topics including the physics of our solar system, the origin of stars and galaxies, and the evolution of the universe.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will study core topics in greater depth and specialist subjects of your choice, and undertake project work.

The main astrophysics components of the Honours programme include: stellar structure and evolution; high-energy astrophysics; galaxies and cosmology; instruments for optical and radio telescopes; exploring planetary systems. In the final year, all students work on an independent research project embedded in one of the school's active research groups.

There is an opportunity to take an MSci degree which explores physics and astrophysics topics in greater depth. The MSci aims to foster the development of critical judgement and independent scientific work, and to prepare you for professional leadership in your chosen field.

## Summary of entry requirements for Physics with Astrophysics

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and Physics.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher Mathematics and Physics. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: A-level Mathematics and Physics.

**IB Standard Entry Requirements**

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics and Physics.

For detailed entry requirements see [glasgow.ac.uk/ug/physicswithastrophysics](http://glasgow.ac.uk/ug/physicswithastrophysics).

## Career prospects

Our graduates are employed in many areas including industry, national research laboratories, financial sector and education. Many graduates choose to study for a postgraduate degree before entering the job market.

## Why choose Glasgow?

Astronomy lectures are complemented by our observatory, planetarium and telescope facilities. You will learn how modern physics underpins our understanding of the universe.

# PHYSIOLOGY

Physiology is concerned with the working of living organisms. It aims to understand the underlying processes and mechanisms operating in structures from single cells to the whole animal.



**BSc (Hons) (B120): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

## Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

## Years 3, 4 and 5

If you progress to Honours (years 3 and 4) you will learn about the major organ systems of the body, including cardiovascular, respiratory, alimentary and renal, and the central nervous system, among other topics.

In year 4 you will cover several topics in physiology in depth and undertake a research project.

You can take Physiology as an MSci, which includes an additional placement year, between the third and final years of the degree, normally doing research in industry or a research institute in the UK or overseas.

The available final-year optional courses may change each year and students are not guaranteed a place on a particular option.

## Summary of entry requirements for Physiology

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

**IB Standard Entry Requirements**

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/physiology](http://glasgow.ac.uk/ug/physiology).

## Career prospects

Physiology provides a broad scientific education, which allows you to pursue a career in research or related subjects and in areas such as universities and the pharmaceutical industry, scientific publishing and public health. In addition to physiology work on the investigation of diseases, graduates pursue career paths in neurophysiology, cellular physiology and sports physiology. Recent graduates have gone on to train as teachers, nurses, doctors and dentists. Several have taken postgraduate courses in dietetics, metabolism and physiotherapy.

## Why choose Glasgow?

You will be introduced to a wide range of experimental techniques, as well as methods for analysing and presenting experimental results.



## PHYSIOLOGY & SPORTS SCIENCE

Whether at the level of basic health or high-level sport, physiology and sports science is designed to serve the community in terms of research, teaching and counselling.



**BSc (Hons) (BC16): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

*Note*  
Sporting proficiency is not essential for admission to the programme, nor does the programme involve you directly in sport.

### Year 1

You will be given a general introduction to all aspects of modern biology and taught general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4), you will be able to study elite performance, causes and management of injury, and the interactions of diet, physical activity and genetics with public health.

You will also study the physiological adaptations to exercise, nutrition and energetics, and specialist courses in statistics and molecular biology techniques.

In year 4 you will choose four courses to study in depth and undertake a supervised research project or internship. You can take Physiology & Sports Science as an MSci, which includes an additional placement year, between the third and final years of the degree, normally doing research in industry or some other organisation in the UK or overseas.

### Summary of entry requirements for Physiology & Sports Science

#### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/physiologyandsports](http://glasgow.ac.uk/ug/physiologyandsports).

### Career prospects

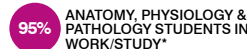
Our graduates are employed in research projects, and in testing and advising professional athletes and others. Recent graduates have entered teaching and careers in business or further study. Others have gone on to support elite athletes through the Scottish and English Institutes of Sport and professional sports clubs.

### Why choose Glasgow?

Your final year can include working as an intern with sports professionals or physical activity/public health providers to give you valuable work experience. You can achieve funding through the Cathcart Scholarship to experience applied sports science within elite sport for a few weeks/months in your third or fourth year.

## PHYSIOLOGY, SPORTS SCIENCE & NUTRITION

The importance of nutrition in sports and exercise science is increasingly recognised. This degree programme emphasises the scientific study of human performance in sport and exercise.



**BSc (Hons) (BC46): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

*Note*  
Sporting proficiency is not essential for admission to the programme, nor does the programme involve you directly in sport.

### Year 1

You will be given a general introduction to all aspects of modern biology and taught general scientific skills.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4), in year 3 you will study the physiological adaptations to exercise, nutrition and energetics, and complete specialist courses in statistics and molecular biology techniques.

In year 4, you will take three compulsory courses and choose one from a range of optional courses. You will also carry out a substantial research project.

You can take this programme as an MSci, which includes an additional placement year, between the third and final years of the degree, normally doing research in industry or some other organisation in the UK or overseas.

### Summary of entry requirements for Physiology, Sports Science & Nutrition

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)  
Additional requirements: Higher Biology or Chemistry.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB  
Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements

AAB – BBB  
Additional requirements: A-level Biology or Chemistry.

#### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)  
Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/physiologyandnutrition](http://glasgow.ac.uk/ug/physiologyandnutrition).

### Career prospects

This degree will provide you with a variety of career opportunities in sports science and/or nutrition. You may choose to go into health promotion, the food and nutrition support industry, fitness testing, lifestyle consultancy or research. Other careers followed include accountancy and teaching. Several of our graduates have gone on to undertake postgraduate study in dietetics, physiotherapy or other specialist training, or to study for a PhD.

### Why choose Glasgow?

Nutrition in sport and exercise science is an emerging industry and there is an increased demand for graduates in this field.

# POLITICS

Politics is the study of the way power and influence are distributed within society and how this affects decision making within and among countries and states.



**MA (SocSci) (Hons) (L202): Four years**

Joint Honours available; see page 143.

Our teaching methods in Politics are based largely on classroom discussion. You will attend lectures that identify themes and then explore these themes in depth during seminars. You will think about ethical questions such as the role and limits of state power, the nature of a "good society", and the obligations that one state has to another. You will also consider empirical questions such as how we explain differences in political institutions and culture, and the relations between nation states in the international system.

## Year 1

Introduction to politics examines the British and Scottish political systems in a comparative perspective to introduce key concepts in the study of politics and foreign policy making.

Introduction to international relations uses the ideas of important writers to explain key aspects of the international order.

**You will also study other subjects in years 1 and 2.**

## Year 2

History of political thought examines political thought from the ancients, primarily Aristotle, through Machiavelli, Hobbes and Locke to Rousseau and Karl Marx.

Comparative politics in a globalising world explores and compares different countries to introduce students to the variety of political regimes that exist in the contemporary international system.

## Years 3 and 4

At Honours level (years 3 and 4) you can select from over 30 courses in Politics and International Relations, including Citizenship & democracy, International political communication, Protest politics in a post-political age and Narratives of conflict.

## Summary of entry requirements for Politics

### SQA Higher Entry Requirements (by end of S6)

**AAAAB (AABB S5 minimum for consideration)**

Additional requirements: Higher English or Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**AABBB – BBBBB**

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**AAB – BBB**

Additional requirements: A-level English or Humanities subject.

### IB Standard Entry Requirements

**38 (6,6,6 HL) – 32 (6,5,5 HL)**

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/politics](http://glasgow.ac.uk/ug/politics).

## Career prospects

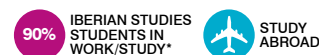
Popular career destinations include the media, teaching, Civil Service, charity sector, international organisations, business and the armed forces.

## Why choose Glasgow?

You will study a wide variety of topics within the discipline of politics including courses in international relations, political theory and British politics. You will have the opportunity to take part in our growing study abroad programme.

# PORTUGUESE

Portuguese embraces the study of the languages, literatures and cultures of Brazil, Portugal and the wider Portuguese-speaking world.



**MA (Hons): Five years**

Portuguese can only be taken as a Joint Honours degree; see page 144 for options and UCAS codes.

### Note

No prior knowledge of Portuguese is required.

## Year 1

Portuguese is taught from beginner's level. You will develop speaking, writing and reading skills, as well as an understanding of Portuguese grammar. This is an intensive language course and has been designed to help you communicate confidently in Portuguese.

**You will also study other subjects in years 1 and 2.**

## Year 2

In year 2 you will extend your linguistic skills and build your knowledge of the culture of the Portuguese-speaking (Lusophone) world. You will study a range of topics from Brazil, Portugal and Mozambique, including cinema, literature, music and other aspects of Lusophone culture.

## Year 3 (year abroad)

If you progress to Honours you will spend your third year abroad in Portugal, Brazil or another Lusophone country, either as an exchange student via one of our established channels or by undertaking an approved work placement.

## Years 4 and 5

Portuguese is available as a Joint Honours programme, so you will study another subject alongside it in years 4 and 5. We place a strong emphasis on achieving a high degree of competence in the language. You will take Portuguese as a core language and will have the opportunity to study various aspects of culture and society, as well as developing professional skills in areas such as translation.

## Summary of entry requirements for Portuguese

### SQA Higher Entry Requirements (by end of S6)

**AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)**

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**AABB – BBBBB**

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**AAB – BBB**

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

**36 (6,6,5 HL) – 32 (6,5,5 HL)**

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/portuguese](http://glasgow.ac.uk/ug/portuguese).

## Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching, translating and interpreting, and the Civil Service.

## Why choose Glasgow?

Portuguese at Glasgow offers a varied programme, in which you will work in small groups with native speakers from Portugal and Brazil. The programme has long-established links with the Instituto Camões. You will have full access to our Language Resources Centre, which offers excellent audiovisual, digital and printed materials.



# PRODUCT DESIGN ENGINEERING

Product Design Engineering is jointly delivered by the University and the Glasgow School of Art and integrates engineering with design.



**BEng (H3W2): Four years**  
**MEng (H3WG): Five years**

You will study the same courses in the first three years whether on the BEng or MEng degree programme.

## Years 1 and 2

You will take a wide-ranging curriculum which includes courses in product design engineering (delivered by the Glasgow School of Art), mathematics, dynamics, electronics, materials, statics, thermodynamics and engineering skills. This interdisciplinary approach, favoured by industry, also makes it easy to switch to most other engineering disciplines at the end of year 1 should you wish to do so.

## Year 3

The third year develops the application of theory through structured projects, with an increased amount of studio time at the Glasgow School of Art. You will study more advanced engineering subjects: materials and manufacture, dynamics, control and fluid power, heat transfer, mathematical modelling and simulation, and mechanics of materials and structures.

## Years 4 and 5

In the final year of the BEng, you will propose your own programme of individual product development and prototyping, leading to concept and detailed design proposals. You will also study advanced subjects in engineering, management, manufacture and design. In year 4 of the MEng degree you will follow a similar programme to the BEng, and undertake a group design project, with mechanical engineering and mechanical design engineering students. In year 5 you will work on your own programme of product development and prototyping, leading to concept and detailed design proposals. You will also study advanced manufacture, human factors, robotics and mechanics of solids.

## Summary of entry requirements for Product Design Engineering

### SQA Higher Entry Requirements

**BEng: AAB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher.\***

**MEng: AAAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher.\***

**\*B at Advanced Higher is equivalent to A at Higher.**

Additional requirements: Higher Mathematics and Physics or Engineering Science.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**BEng: AAB Higher**

Additional requirements: Higher Mathematics and Physics or Engineering Science. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**BEng: AAB – BBB**

**MEng: AAA – ABB**

Additional requirements: A-level Mathematics and Physics or Technology and Design.

### IB Standard Entry Requirements

**BEng: 36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)**

**MEng: 38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)**

Additional requirements: HL Mathematics and Physics or Design Technology (SL can be accepted for either Mathematics or Physics/Design Technology).

For detailed entry requirements see [glasgow.ac.uk/ug/productdesignengineering](http://glasgow.ac.uk/ug/productdesignengineering).

## Career prospects

PDE students have excellent career prospects, with recent graduates employed by Apple, Bosch, Dell, Dyson, GlaxoSmithKline, Logitech, Jaguar Land Rover and TomTom. Our PDE graduates have established leading design engineering consultancies, including Speck Design, 4c Design, FilamentPD and Fearsome.

## Why choose Glasgow?

You will work closely with industry throughout the programme, which may lead to internship and employment opportunities. You will have the opportunity to go on fieldtrips to industrial centres of excellence.

# PSYCHOLOGY

Psychology is the scientific study of the mind and behaviour. It is about understanding how people think, act, react and interact; and how this understanding can help us, as psychologists, help people on an individual basis but also help address wider societal issues through academic endeavours and professional practice.



**BSc (Hons) (C800): Four years**

**MA (Hons) (C801): Four years**

**MA (SocSci) (Hons) (C802): Four years**

### Pathways:

**BSc (Hons) Psychology with specialism in Neuroscience: Four years**

**BSc (Hons) Psychology with specialism in Clinical Health: Four years**

**MA (Hons) Psychology with specialism in Clinical Health: Four years**

**MA (Hons) Psychology with specialism in Clinical Health: Four years**

Joint Honours available; see page 144.

## Years 1 and 2

In the first two years this programme provides a comprehensive introduction to the core areas of psychology including cognitive, social, development and physiological psychology, individual differences and research methods. We take an open science approach to developing your critical evaluation skills and your understanding of the importance of research and to supporting you in developing essential graduate skills in data handling using programming software for statistical analysis.

Lectures, interactive group discussions and practical lab sessions will inspire your passion for the subject and facilitate the development of the fundamental skills and knowledge required for being a psychologist of the future.

**You will also study other subjects in years 1 and 2.**

## Years 3 and 4

If you progress to Honours (years 3 and 4) you will build on the core foundational skills and knowledge embedded in years 1 and 2 and progress your understanding of statistical models, cognitive neuroscience and clinical approaches.

Single Honours students choose from a large selection of options, including our two new specialised pathways in Neuroscience and Clinical Health. The option courses range from courses in fMRI to those on Autism. The options span a diverse range of qualitative and quantitative methodologies and applications from theory to practice.

You will undertake a major piece of research in your final year which can involve lab-based projects (eg using eyetrackers or brain imaging data) or applied settings such as a school or community partner.

## Summary of entry requirements for Psychology

### SQA Higher Entry Requirements

**AAB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.**

Additional requirements: National 5 Maths at grade B.

Applicants to Psychology (BSc): two Higher Science subjects.

Applicants to Psychology (MA): Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

**AABB – BBBB**

Additional requirements: National 5 Maths at grade B.

Applicants to Psychology (BSc): two Higher Science subjects.

Applicants to Psychology (MA): Higher English and a Higher Humanities subject.

Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

**AAA – ABB**

Additional requirements: GCSE Mathematics at grade B (or grade 5–6).

Applicants to Psychology (BSc): two A-level Science subjects.

Applicants to Psychology (MA): A-level English and A-level Humanities subject.

### IB Standard Entry Requirements

**38 (6,6,6 HL) – 34 (6,5,5 HL)**

Additional requirements: SL4 Mathematics.

Applicants to Psychology (BSc): Two HL Science subjects.

Applicants to Psychology (MA)/(MA (SocSci)): HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/psychology](http://glasgow.ac.uk/ug/psychology).

## Career prospects

A psychology degree opens up a wide range of career paths including educational, health, clinical, occupational psychology and counselling. Increasingly graduates are also progressing to successful careers in allied fields such as data skills, teaching, social robotics & artificial intelligence and child & adolescent mental health professions, in addition to research and teaching careers in higher education. The possible pathways a degree in psychology can take you on are endless, such is the value of the graduate and psychological literacy skills you acquire during the degree.

## Why choose Glasgow?

Psychology at Glasgow is ranked 2nd in Scotland (*Complete University Guide 2020*).

## QUANTITATIVE METHODS

The University of Glasgow's Q-Step Centre offers programmes which develop your quantitative skills, or in other words, your ability to handle data and use numerical evidence.

Quantitative Methods can only be taken with the following degrees, with Quantitative Methods modules studied from year 2.

**MA (SocSci) (Hons) (LG33): Sociology with Quantitative Methods: Four years**

**MA (SocSci) (Hons) (LG23): Politics with Quantitative Methods: Four years**

**MA (SocSci) (Hons) (LG43): Social & Public Policy with Quantitative Methods: Four years**

**MA (SocSci) (Hons) (RG73): Central & East European Studies with Quantitative Methods: Four years**

**MA (SocSci) (Hons) (VG33): Economic & Social History with Quantitative Methods: Four years**

**MA (SocSci) (Hons) (L2G3): International Relations with Quantitative Methods: Four years**

### What to expect

The University of Glasgow Q-Step Centre offers six degree programmes that integrate quantitative skills training within the School of Social & Political Sciences. All of these programmes aim to engage you with meaningful ways of understanding the social world.

We will teach you how to understand and analyse quantitative results, as well as how to present your own, and how to discuss their substantive implications.

These are essential skills for understanding quantitative evidence presented in academic literature, and also for interrogating data in public media and government reports.

Around one quarter of your study time will be devoted to quantitative methods. Our degrees also offer you the possibility to gain valuable experience by participating in internships with selected high-profile employers.

### Summary of entry requirements for Quantitative Methods

**SQA Higher Entry Requirements (by end of S6)**  
AAAAB (AABB S5 minimum for consideration)  
Additional requirements: Higher English or Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level English or Humanities subject.

### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/quantitativemethods](http://glasgow.ac.uk/ug/quantitativemethods).

### Career prospects

Social scientists with quantitative skills are able to evaluate evidence, analyse data, and design and commission research. These skills are increasingly demanded across a wide range of professions and sectors, including government, business, charities and academia.

### Why choose Glasgow?

Developing quantitative skills and your confidence in using them will really enhance your insight and understanding of the key issues you encounter in your chosen field of study.

## RUSSIAN

A degree in Russian will allow you to study a language of strategic international significance, as well as giving you access to the richness of Russian culture.

90% LANGUAGES, LINGUISTICS & CLASSICS STUDENTS IN WORK/STUDY\*



### MA (Hons): Five years

Russian can only be taken as a Joint Honours degree. See page 144 for options and UCAS codes.

#### Note

No prior knowledge of Russian is required.

### Year 1

Previous knowledge of Russian is not required to take the course in year 1 but you should have some flair for language learning. You will develop your communicative skills of speaking, writing, reading and understanding the spoken word. You will also be introduced to grammar and Russian texts.

The pace of study is rapid, allowing you to achieve a high level of competence within a year. For those with some previous knowledge of Russian, a non-beginners' pathway is also available.

You will also study other subjects in years 1 and 2.

### Year 2

You will deepen your knowledge of Russian language and continue to focus on communicating confidently in spoken and written Russian. You will also learn about Russian culture.

### Year 3 (year abroad)

If you progress to Honours you will spend your third year abroad, usually enrolled at a university, which we will help to arrange.

### Years 4 and 5

We place a strong emphasis on achieving a high degree of competence in the language. You will study literature, history and culture in depth, and can choose from a wide range of options to reflect your own interests. Russian may only be taken as a Joint Honours degree, so you will also study another subject.

### Summary of entry requirements for Russian

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/russian](http://glasgow.ac.uk/ug/russian).

### Career prospects

Graduates in modern languages and cultures pursue rewarding careers in the media, teaching, journalism, tourism, translating and interpreting, and the Civil Service. Russian is one of six languages in use by the United Nations, and Russia's economic and diplomatic links with the UK and Europe provide excellent opportunities in the UK and abroad.

### Why choose Glasgow?

Glasgow has a long history of teaching Russian and Slavonic languages and we offer excellent materials in our dedicated language resource library.



# SCOTTISH HISTORY

The study of history is the study of change and continuity in human society through time. Scottish history is the study of Scotland's past.

92% HISTORY STUDENTS THOUGHT STAFF WERE GOOD AT EXPLAINING THINGS\*



## MA (Hons): Four years

Scottish History can only be taken as a Joint Honours degree. See page 144 for options and UCAS codes.

### Year 1

You will take two core courses in history, one of which introduces you to the history of Scotland. Topics you will study include the independent kingdom, medieval society, castles, government, the Wars of Independence, Catholic belief and a Scottish church, Renaissance learning and culture, Reformation and absentee monarchy, Covenanted revolution, Cromwellian conquest, Union with England in 1707, commerce with Europe and America, industrialisation and 20th-century Scotland.

You will also study other subjects in years 1 and 2.

### Year 2

You will study modern social and cultural history, and global history. These courses introduce you to new historical skills and approaches and represent a progression from first year.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you can only take Scottish History as a Joint Honours degree in combination with another subject. It is most often combined with Celtic Studies. You may take courses on topics such as the first Scottish War of Independence, Scottish popular culture, Mary Queen of Scots, the history of the Gaelic language, Scotland and the American Revolution, the Highland Clearances, international migration and warfare in Scotland.

## Summary of entry requirements for Scottish History

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/scottishhistory](http://glasgow.ac.uk/ug/scottishhistory).

## Career prospects

As a history graduate you will be able to enter many different careers, from teaching to the financial services, and the skills you will have developed are extremely popular with employers. Our recent History graduates have been employed by Glasgow Museums, HarperCollins, Oxfam, Morgan Stanley and Police Scotland, among many other organisations.

## Why choose Glasgow?

Scottish History at Glasgow boasts renowned researchers at the cutting edge of the discipline across all periods, from medieval to modern.

The Centre for Scottish & Celtic Studies at Glasgow addresses Scottish history in a genuinely crossdisciplinary environment and students are encouraged to get involved.

# SCOTTISH LITERATURE

Scottish literature is the study of the poetry, drama, fiction and prose of Scotland from its beginnings in the 14th century to the most contemporary work.

100% STUDENTS SATISFIED\*



## MA (Hons) (Q201): Four years

Joint Honours available; see page 145.

### Year 1

In your first year, you will study a wide range of texts from the past 250 years of Scottish literary history. They will range from eerie ballads, through historical epics, Gothic thrillers and radical contemporary works. You will survey the work of many of the nation's best-known writers within the context of key historical and cultural themes, while also delving into key genres in literary study, including novels and plays, poems and songs.

You will also study other subjects in years 1 and 2.

### Year 2

You will explore the rich variety of Scottish literature from the medieval period until the end of the 18th century, including Scotland's earliest play by David Lyndsay (c1550); the great medieval "Makars" (poets) Dunbar and Henryson; Allan Ramsay and Robert Burns from the 18th century "Vernacular Revival"; and the early novel, as well as the ballad throughout the centuries.

### Years 3 and 4

If you choose to study Honours (years 3 and 4) you will explore in-depth fresh approaches to Scottish literature. You will have the opportunity to take innovative courses which include online delivery in our award-winning Robert Burns course, or special student placements in libraries, museums and other institutions as part of our Memorialising Scottish culture course. You can choose to specialise in different genres and periods from medieval literature to the contemporary scene.

Topics offered to students include beginnings to early modern, alternative Renaissances, history of Scots, history of the Scottish book, popular literary enlightenment, textual editing, Scottish crime fiction, Scottish journeys, modern Scottish poetry, Scottish fiction under late capitalism and contemporary Scottish literature.

## Summary of entry requirements for Scottish Literature

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/scottishliterature](http://glasgow.ac.uk/ug/scottishliterature).

## Career prospects

This degree equips you with skills valuable to many employers, including skills of critical and creative thinking that set arts and humanities graduates apart. Our graduates have gone into careers in media, journalism, teaching, research, education and the heritage sector, taking jobs with the BBC, the *Herald* newspaper, the National Library of Scotland, national publishers and television production companies.

## Why choose Glasgow?

The University hosts the only academic unit in the UK exclusively dedicated to the teaching of, and research into, Scottish literature. We are home to the Centre for Robert Burns Studies, which is engaged in the production of a new, multi-volume, scholarly edition of the works of Scotland's national poet.

Our students also reported 100% overall satisfaction in the NSS 2019.

## SOCIAL & PUBLIC POLICY

Social and public policy focuses on finding ways to address global and local social issues such as poverty, housing, health and technology. The programme applies ideas from political science, sociology and economics to explore how governments shape their responses and to understand the impacts of public policy on society.



**MA (SocSci) (Hons) (L430): Four years**

Joint Honours available; see page 145.

### Year 1

You will examine the development of policies and services such as healthcare and social security that were created to eradicate postwar social problems, through a focus on the Beveridge Report of 1942. You will have the opportunity to study current responses to globalisation and social problems such as housing, youth gangs, drugs misuse and urban deprivation through the lens of the city of Glasgow.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will study influential ideas and major perspectives on welfare and public policy in order to examine assumptions about the aims of policy and the functions of welfare, including differences in ideological and social agendas in an international context. You will study the politics and power dynamics of policymaking, considering how social problems are constructed and why some are higher on the political agenda than others.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose subjects from a diverse range of topics to suit your interests, including work, welfare and the politics of reform; disability and society; health inequalities; housing policy; youth policy; remaking the cities; urban economy; education for citizenship; active citizenship; welfare theory and social policies for a "good society".

### Summary of entry requirements for Social & Public Policy

**SQA Higher Entry Requirements (by end of S6)**  
AAAAB (AABB S5 minimum for consideration)

Additional requirements: Higher English or Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level English or Humanities subject.

### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/publicpolicy](http://glasgow.ac.uk/ug/publicpolicy).

### Career prospects

This degree provides many of the analytical, literary and teamwork skills that employers are looking for. Our graduates pursue careers as managers, professionals and policy analysts in the private, voluntary and public sectors, including central and local government, in the UK and internationally. They work in diverse fields including housing, health, social services, advocacy, city planning, education, media and commerce.

### Why choose Glasgow?

You'll have the valuable opportunity of a work placement with a voluntary or public sector organisation.

## SOCIOLOGY

Sociology studies the ways that people organise their lives together, the constraints within which they do so, the patterns of their social behaviour, and the causes and consequences of social inequalities.



**MA (SocSci) (Hons) (L300): Four years**

Joint Honours available; see page 145.

### Year 1

Through studying classic and contemporary examples of sociological research from a range of different societies, you will explore what it means to think sociologically, anthropologically and criminologically about class, identities, inequalities, everyday life, crime, media, globalisation and development.

**You will also study other subjects in years 1 and 2.**

### Year 2

You will deepen your understanding of inequalities, social identities and social change in a global context, by examining a range of examples drawn from sociology, anthropology and criminology, and from a range of societies across the world.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will choose from a wide range of course options such as Black radical social thought, Class and the making of modern Britain, Consumption, Drugs and culture, Gender, Global migrations, Media, Punishment and society, Sexualities, Sociological alternatives, Sociology of racism, Understanding and explaining crime, and Youth, gangs and globalisation. You will also receive dedicated training in social research methods so that you can design, conduct and report on an original piece of social research of your own, supported by an academic supervisor.

### Summary of entry requirements for Sociology

**SQA Higher Entry Requirements (by end of S6)**  
AAAAB (AABB S5 minimum for consideration)

Additional requirements: Higher English or Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABBB – BBBBB

Additional requirements: Higher English or Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level English or Humanities subject.

### IB Standard Entry Requirements

38 (6,6,6 HL) – 32 (6,5,5 HL)

Additional requirements: HL English or Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/sociology](http://glasgow.ac.uk/ug/sociology).

### Career prospects

This degree will prepare you for employment in a number of fields that require a sophisticated, critical and questioning understanding of the workings of society. Our graduates are now employed in the media, city councils, development agencies, market research, data analysis, charities, activist contexts and housing and education.

### Why choose Glasgow?

One of the distinctive features of our Sociology programme, commended by external examiners and by our graduates, is the combination of sociological, criminological and anthropological perspectives which we provide.



# SOFTWARE ENGINEERING

Software engineers develop and maintain large-scale complex software infrastructures. Our programme combines theoretical computing science with the principles and practices used in the modern software industry and gives you real-world experience.



**BSc (Hons) (G430): Four years**  
**MSci (G610): Five years**  
**MSci with work placement (I300): Five years**  
**Faster Route BSc (Hons) (0P31): Three years**  
**Faster Route MSci (0VB3): Four years**  
**Faster Route MSci with work placement (I301): Four years**

The School of Computing Science launched the pioneering Centre for Computing Science Education in 2017, in recognition of our commitment to leadership and innovation in educational practice.

## Year 1

You will take courses on key areas of the subject, including programming, computer systems, databases and human-computer interaction.

## Year 2

You will study Java programming, object-oriented software engineering, data structures and algorithms, algorithmic foundations, computer networks, operating systems, and web application development.

## Years 3, 4 and 5

Year 3 covers a broad range of topics and emphasises the skills needed for team-based software development when working with real-world customers. After year 3, BSc students spend their summer on a paid placement in industry. This placement lasts a full year for MSci Work Placement students. The final year (4 or 5) includes advanced courses on software engineering and a substantial individual project, frequently in collaboration with employers. BSc students can extend their degree by an additional year and graduate with an MSci.

## Summary of entry requirements for Software Engineering

**SQA Higher Entry Requirements**  
AABB at S5 will be considered. Typically S6 entrants will have AAAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics (AH recommended) and Computing (if Higher Mathematics A grade is not achieved in S5).

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher Mathematics (AH recommended) and Computing (if Higher Mathematics A grade is not achieved in S5). Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAA – ABB

Additional requirements: A-level Mathematics.

**IB Standard Entry Requirements**

38 (6, 6, 6 HL) – 34 (6, 5, 5 HL)

Additional requirements: HL Mathematics.

For detailed entry requirements see [glasgow.ac.uk/ug/softwareengineering](http://glasgow.ac.uk/ug/softwareengineering).

## Career prospects

Our graduates are employed in such companies as Codeplay, JP Morgan, Amazon and HP. We also actively support our graduates in creating their own startups.

## Why choose Glasgow?

The Student Tech Society at Glasgow organises regular hackathons and other coding events, bringing together students, staff and industrial software developers to solve exciting problems.

# SOFTWARE ENGINEERING (GRADUATE APPRENTICESHIP)

As a Graduate Apprentice in Software Engineering you can gain a university qualification at the same level as those studying traditional degree programmes, while applying your learning in the workplace. As you are employed you also benefit from a salary.



**BSc (Hons): Four years**

*Fees & funding* – Your tuition will be paid for by Skills Development Scotland and, rather than receiving a student loan from SAAS, you will receive a salary from the employer you are working with.

For more information see [glasgow.ac.uk/computing/apprenticeships](http://glasgow.ac.uk/computing/apprenticeships).

*How to apply* – Applications to the Graduate Apprenticeship programme are made directly through employers.

For current opportunities, see [apprenticeships.scot](http://apprenticeships.scot) and [glasgow.ac.uk/computing/apprenticeships](http://glasgow.ac.uk/computing/apprenticeships).

Our Graduate Apprenticeship programme combines the theoretical computing science that our traditional Software Engineering degree covers with bespoke work-based learning courses and experience.

The Graduate Apprenticeship in Software Engineering has been developed by the pioneering Centre for Computing Science Education through extensive consultation with employers to ensure that it meets the needs of industry.

## Year 1

In the first block of teaching in year 1 the course will provide the skills and tools required for you to quickly pick up whichever language is most prominent in your workplace, supplemented by a course covering the fundamentals of professional software development. The second block of teaching in year 1 will consist of testing fundamentals and practical algorithms courses, with the intention of providing you with tools to improve existing software.

## Year 2

Year 2 will begin with a teaching block on a range of subjects, including data storage, HCI, systems and underlying algorithmic content to broaden your understanding of the wider computing field. The second teaching block will focus on low level architecture and networking theory, data science and a further course on professional software engineering. It will also include a significant teamworking component, to ensure that you gain experience of working in different roles and with different team-based methodologies. You will also be expected to be working as part of a team in the workplace.

## Summary of entry requirements for Software Engineering (Graduate Apprenticeship)

**SQA Higher Entry Requirements**  
BBBB at S5 will be considered. Typically S6 entrants will have AAABB or AAAA at Higher.

Additional requirements: Higher Mathematics at B or above. Highers should include two Science subjects. Employment with an organisation registered with the SDS Graduate Apprenticeship scheme.

**SQA Higher Adjusted Entry Requirements No Adjusted Higher Requirements**

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: A-level Mathematics.

Employment with an organisation registered with the SDS Graduate Apprenticeship scheme.

**IB Standard Entry Requirements**

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics.

Employment with an organisation registered with the SDS Graduate Apprenticeship scheme.

For detailed entry requirements see [glasgow.ac.uk/ug/softwareengineeringgraduateapprenticeship](http://glasgow.ac.uk/ug/softwareengineeringgraduateapprenticeship).

## Years 3 and 4

In years 3 and 4 you will be able to select from Honours or Masters electives offered to students on the traditional Software Engineering BSc (Hons) programme to make up 60 credits per year (three 10-credit courses per semester). Honours courses will be offered online or on campus. The remaining credits will be assessed in the form of long-term projects and assignments in the workplace, agreed upon by employers and the lecturers on the programme.

## Career prospects

Our Software Engineering students are in demand across all sectors of the industry and, with a degree of equivalent standing plus several years' work experience, we expect our Graduate Apprentices to be highly employable. There is also a strong possibility that the company with which Graduate Apprentices are based for the duration of their studies will be kept on following graduation, although this will depend on individual circumstances.

## Accreditation

As a new degree programme, it has not yet been accredited by the British Computer Society (BCS). However, the programme has been designed to meet all of the BCS accreditation requirements and we expect to obtain BCS accreditation by the time our first apprentices graduate.

## Why choose Glasgow?

Our innovative Honours-level Graduate Apprenticeship in Software Engineering degree programme has been designed from the ground up in partnership with 25 companies and draws on global research on best practice in work-based learning.

# SPANISH

Spanish is the second most widely spoken language in the world and is an official language in more than 20 countries.



**MA (Hons) (R410): Five years**

Joint Honours available; see page 146.

## Year 1

The course you study in first year depends on how much Spanish you have studied before. If you have an SQA Higher or A-level in Spanish (grade A or B), you will take Spanish language and Spanish culture. You will study some of the cultures of Spain and Latin America through a variety of topics, texts and films.

If you are a beginner or near-beginner and have some previous language learning experience, you can take the Level-1 beginners' course, which provides an intensive foundation in reading, writing and speaking Spanish.

**You will also study other subjects in years 1 and 2.**

## Year 2

In year 2 you will extend your linguistic skills and build your knowledge of Spanish and Latin American culture. Students progressing from the first-year beginners' course normally study additional cultural materials.

## Year 3 (year abroad)

If you progress to Honours you will spend your third year abroad, usually as a language assistant in Spain or Latin America, on a placement arranged through the British Council, or as a student at a university in a Spanish-speaking country, which can include Latin America.

## Years 4 and 5

You will take Spanish as a core language and select courses from a wide range of linguistic, literary, cultural and historical topics.

## Summary of entry requirements for Spanish

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/spanish](http://glasgow.ac.uk/ug/spanish).

## Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in the media, teaching, journalism, tourism, translating and interpreting, and the Civil Service, as well as business, commerce and marketing.

## Why choose Glasgow?

Staff in Glasgow cover a wide range of topics and you will have the opportunity to work with native speakers from different parts of the Spanish-speaking world.

# STATISTICS

Statistics is the science of collecting, analysing, presenting and interpreting data.



**BSc (Hons) (G300): Four years**  
**MSci (G302): Five years**

Joint Honours available; see page 146.

## Year 1

You will take courses covering topics in probability and introductory statistical methods, with examples and case studies illustrating how statistics is used in practice in the real world.

**You will also study other subjects in years 1 and 2.**

## Year 2

You will take four courses covering topics in statistical methods and probability, introducing the ideas of likelihood and regression modelling.

## Years 3, 4 and 5

If you proceed to Honours (years 3 and 4) you will study theory and practical training, which involves project planning, report writing and the development of presentational skills.

You will also complete case studies and projects on topics which may be drawn from the fields of bioinformatics, environmental studies, medicine, psychology, sports science and veterinary science.

You will undertake and present a project and write a report. You will also gain experience in teamwork and learn to use statistical packages, as well as gaining appreciation of the use and misuse of computers and computer software in statistics.

There is also an opportunity to take an MSci degree over five years, which explores statistics topics in greater depth and includes an individually supervised research project.

## Summary of entry requirements for Statistics

### SQA Higher Entry Requirements

BBBB at S5 will be considered. Typically S6 entrants will have AAAAA at Higher. B at Advanced Higher is equivalent to A at Higher.

Additional requirements: Higher Mathematics and a Higher Science subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

AABB – BBBB

Additional requirements: Higher Mathematics and a Higher Science subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Mathematics.

### IB Standard Entry Requirements

36 (6, 6, 5 HL) – 32 (6, 5, 5 HL)

Additional requirements: HL Mathematics.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/statistics](http://glasgow.ac.uk/ug/statistics).

## Career prospects

Our graduates have statistical, computational, numerate and presentational skills which are applicable in many fields such as medicine, education, transport, agriculture, engineering and economics. They are employed in a variety of posts such as quality engineer, actuary, accountant, credit risk analyst, clinical statistician, statistician, statistical programmer, teacher and operational researcher. Others go on to undertake postgraduate degrees.

## Why choose Glasgow?

Our programmes are accredited by the Royal Statistical Society and have been consistently recognised for the diversity of the project work by our external examiners.



## TEACHING: DESIGN & TECHNOLOGY EDUCATION

This degree programme qualifies you to teach craft, graphic communication, design and manufacture, and engineering science in all secondary schools.



### MDTechEd (H112): five years

#### Interview policy

As part of our selection process you will be interviewed. Interviews normally begin in mid-December and will run until March.

The Integrated Masters is a five year programme: years 1 to 4 consist of core technology and education subjects plus school experience. Year 5 consists of two taught courses and a dissertation.

#### Years 1 and 2

You will study subjects including technology craft, design, graphics, electronics, mechanics and mathematics. In addition, there will be also be a focus on learning theory and teaching.

#### Years 3 and 4

In years 3 and 4 you will further develop your skills across a range of technology courses by exploring themes such as technology and society, materials and sustainable resources. In year 4, you will select an elective study in either Advanced 3D design or Engineering systems & robotics. You will also undertake a final-year project that will develop your skills in practitioner enquiry.

#### Year 5

In year 5 you will continue your study of education, research methods and practitioner enquiry in the form of a dissertation.

### Summary of entry requirements for Design & Technology Education

#### SQA Higher Entry Requirements (by end of S6) AAABB

Additional requirements: Higher English and Higher Mathematics or Higher Science Subject. National 5 Mathematics Grade B. Interview.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6) AAB – BBBB

Additional requirements: Higher English and Higher Mathematics or Higher Science Subject. National 5 Mathematics Grade B. Interview. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements AAB – BBB

Additional requirements: A-level Mathematics or a Science Subject. GCSE Mathematics at Grade B or 5 and English Language and Literature at Grade C or 4. Interview.

#### IB Standard Entry Requirements 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and Mathematics or a Science Subject. SL Mathematics at 4. Interview.

For detailed entry requirements see [glasgow.ac.uk/ug/designtechnologyeducation](http://glasgow.ac.uk/ug/designtechnologyeducation).

### Career prospects

Graduates from our previous programme had an excellent record of finding employment as secondary school technology teachers and college lecturers. You are guaranteed one year as a probationary teacher upon graduation and can then begin to make your way through the various levels of promotion within schools. A number of our graduates went on to funded postgraduate research, usually working towards a PhD in a topic relevant to their role as educators.

### Why choose Glasgow?

This is the only teaching technology integrated Masters in Scotland and is accredited by the General Teaching Council for Scotland (GTCS). Students who successfully complete this programme are eligible for provisional registration with the GTCS.

## TEACHING: EDUCATION WITH PRIMARY TEACHING QUALIFICATION

The Master of Education programme is an internationally recognised teaching qualification with a strong focus on the theory of learning and on how theory and practice are effectively used in the classroom to support all learners in the 21st century.



### MEduc (4Q21): Five years

This is a five-year integrated Masters degree in Primary Teaching. You will be eligible to teach after year 4.

*Interview policy* – As part of our selection process, interviews will be held from January.

#### Year 1

You will study the role of education in society and the nature of learning in the primary curriculum and choose from a wide variety of courses in the wider University, beyond the School of Education. You will have three weeks out on school placements.

If you intend to follow the Catholic Teacher's Certificate in Religious Education, you are offered the opportunity to study theology.

#### Year 2

You will continue to study the role of education in society and explore in greater depth pedagogical content knowledge and their associated curriculums. You will have a five-week placement in school.

#### Year 3

You will expand upon your knowledge and understanding of the primary curriculum and your ability to reflect and improve on your own practice. You will also be given the opportunity to choose an area of study from a number of elective courses. You will have a total of 12 weeks out in school placement.

#### Year 4

Close analysis of links between education and society, effective classroom practice and a focus on enquiry-based learning. You will be able to take another elective in this year. You will have a single continuous 12-week school placement.

#### Year 5

You will undertake a research course to develop your approach to evidence-based research. Thereafter, you will undertake a dissertation. When this is successfully completed you will qualify with the MEduc.

### Summary of entry requirements for Education with Primary Teaching Qualification

#### SQA Higher Entry Requirements (by end of S6) AAABB (ABBB S5 minimum for consideration)

Additional requirements: Higher English and National 5 Mathematics or Application of Mathematics Grade B. Interview.

#### SQA Higher Adjusted Entry Requirements\* (by end of S6) AAB – BBBB

Additional requirements: Higher English and National 5 Mathematics or Application of Mathematics Grade B. Interview. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

#### A-level Standard Entry Requirements AAB – BBB

Additional requirements: A-Level English and GCSE Mathematics at Grade B or 5. Interview.

#### IB Standard Entry Requirements 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and SL Mathematics at 4. Interview.

For detailed entry requirements see [glasgow.ac.uk/ug/primaryeducation](http://glasgow.ac.uk/ug/primaryeducation).

### Career prospects

This programme leads to registration with the General Teaching Council for Scotland.

### Why choose Glasgow?

You can exit after four years with an MA (Hons) in Education with Teaching Qualification or complete your fifth year and qualify with the MEduc.

# TEACHING: PRIMARY EDUCATION WITH TEACHING QUALIFICATION

This innovative, four-year degree programme, approved by the General Teaching Council for Scotland, is benchmarked against the highest standards of excellence.



## MA (Hons) (X123): Four years

This degree is taught at our Dumfries campus; see page 3.

This programme includes a substantial element of well-supported teaching experience in each year. You will complete four school placements. In years 1–3 these last six weeks and in year 4 ten weeks with full responsibility for a class for at least five weeks. Placements cover all stages of the primary school and each placement has a relevant focus in a specific curricular area.

### Year 1

Core areas include literacy, school experience, and mathematics: theory and pedagogy, along with a choice of electives. There is a six-week school placement during May and June.

### Year 2

Child development, mathematics, school experience, and literacy are continued from year 1. There is a six-week school placement during May and June.

### Year 3

Language and literacy, school experience and mathematics continue as core courses, with teachers and teaching, curriculum and assessment being introduced. You will continue your studies in one elective area. There is one six-week placement in semester 2.

### Year 4

You will take core courses at Honours level, as well as an enquiry-based dissertation. There is a ten-week school placement in semester 2.

## Summary of entry requirements for Teaching: Primary Education with Teaching Qualification

### SQA Higher Entry Requirements (by end of S6) AAB/ABBB

Additional requirements: Higher English and National 5 Mathematics or Application of Mathematics Grade B. Interview.

### SQA Higher Adjusted Entry Requirements\* (by end of S6) BBBB

Additional requirements: Higher English and National 5 Mathematics or Application of Mathematics Grade B. Interview. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

#### BBB – CCC

Additional requirements: GCSE Mathematics at Grade B or 5 and English Language and Literature at Grade C or 4. Interview.

### IB Standard Entry Requirements

#### 32 (6,5,5 HL) – 30 (5,5,5 HL)

Additional requirements: HL English and SL Mathematics at 4. Interview.

For detailed entry requirements see [glasgow.ac.uk/ug/primaryeducationtq](http://glasgow.ac.uk/ug/primaryeducationtq).

## Career prospects

This programme is accredited by the General Teaching Council for Scotland and is an internationally recognised teaching qualification. There are also opportunities for career progression in leadership and management, specialist subjects and further study or research. Students may exit after year 3 with an MA in Educational Studies.

### Why choose Dumfries?

At our Dumfries campus you will benefit from small-group teaching, strong links with local schools, innovative teaching methods and a friendly and inclusive academic community.

# THEATRE STUDIES

This degree programme examines the theatrical event and theatre culture from critical, historical and practical perspectives.



## MA (Hons) (W440): Four years

Joint Honours available; see page 146.

### Year 1

You will focus on two subject areas: Reading the stage – an introduction to different critical frames of performance theory and analysis; Theatre and society – the historical and contemporary role of theatre in society, giving you an understanding of some social, political and economic issues affecting theatre practice in a range of historical and geographical contexts.

You will also study other subjects in years 1 and 2.

### Year 2

You will focus on two subject areas: Classical to modern – a historical and critical survey of the dominant forms of theatre practice in Europe before 1900; Modernism to postdramatic – an introduction to European and American practitioners whose radical approaches to acting, directing, scenography and dramaturgy have redefined our understanding of the theatrical event.

### Years 3 and 4

If you progress to Honours (years 3 and 4) you will take a course in performance theory and analysis. Optional courses include applied theatre, directing, writing for performance, advanced practice and work placement, as well as courses on documentary theatre, space and place, Renaissance theatre, performing memory, Victorian and Edwardian theatre, Samuel Beckett, queer performance, activist theatre, exhibiting cultures, and German theatre, among others.

## Summary of entry requirements for Theatre Studies

### SQA Higher Entry Requirements (by end of S6)

AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)  
Additional requirements: Higher English and a Higher Humanities subject.

### SQA Higher Adjusted Entry Requirements\* (by end of S6)

#### AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

#### AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

#### 36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/theatrestudies](http://glasgow.ac.uk/ug/theatrestudies).

## Career prospects

Our graduates have gone on to a wide range of careers, many of which are closely connected to professional theatre-making, arts production and management. Recent graduates have, for instance, become successful theatre directors, casting agents, arts managers and administrators, stand-up comedians and playwrights. Others take career paths in, for example, teaching or community arts.

### Why choose Glasgow?

We have close connections with the theatre industry, giving you opportunities to work with practitioners of national and international standing.



## THEOLOGY & RELIGIOUS STUDIES

Theology & Religious Studies encompasses the study of religion, religions, the Bible and theology – not as worlds apart, but as they relate to politics, history, literature, philosophy, art and culture as well as to personal belief and practice.



**MA (Hons) (V621): Four years**  
**BD (Hons) (V600): Four years**

*Joint Honours available; see page 146.*

We offer two programmes, MA and BD, which differ in how the first two years of study are organised. Students who wish to specialise in Christianity, or who are training for the ministry, often take the BD.

### MA

You will explore the role of religion in the rich textual, cultural, artistic and philosophical heritage of humankind, and the influence of religion in politics, conflict and social attitudes. The programme can be structured to introduce you to a variety of religions or to focus on the Christian tradition.

**You will also study other subjects in years 1 and 2.**

#### Year 1

You will take at least two of these four courses and you may take Greek or Hebrew: Creation to apocalypse; The God question; The search for meaning; Judaism, Christianity & Islam; The search for meaning: understanding Asian traditions.

#### Year 2

You will take at least two of these four courses, and a language if you wish: Christian traditions & transformations; Texts and cultures of the Bible; Religion, culture & controversy; Mysticism & spirituality.

### BD

If you are hoping to work in pastoral ministry, a caring profession or a voluntary organisation, the BD could be suitable for you. It combines academic study with practical application and placements, and offers the opportunity for in-depth reflection on your experience in a supportive and challenging environment.

#### Year 1

Introductory courses in the Bible and theology & religious studies. You will also explore worship and liturgy. You may choose to study a biblical language: Hebrew or Greek.

#### Year 2

Further courses in the Bible, history and theology. You will also study ethics and reflect on pastoral practice and explore some of the issues that confront believers as they seek to reconcile their faith with the challenges presented by contemporary technological, social and environmental change.

### Summary of entry requirements for Theology & Religious Studies

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (BBBB S5 minimum for consideration)

Additional requirements: Higher English and a Higher Humanities subject.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher English and a Higher Humanities subject. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: one A-level Humanities subject.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL English and HL Humanities subject.

For detailed entry requirements, including for Joint Honours combinations, see [glasgow.ac.uk/ug/theologyreligiousstudies](http://glasgow.ac.uk/ug/theologyreligiousstudies).

### MA and BD Years 3 and 4

After successful completion of years 1 and 2, you will be admitted to Honours. You can choose from courses including: Media Bible; Bible, literature & culture; Theology through creative writing; Genesis; Wisdom literature; Tanakh texts; New Testament theology; New Testament texts; New Testament topics; Women in the Bible; Doctrine of God; Jesus Christ since 1900; Issues in contemporary Catholicism; Existentialism; Studies in the early church & patristics; Studies in Reformation history; History of the church in Scotland since 1500; Sectarianism in Scotland & Ireland; Current issues in the Scottish churches; Pastoral theology; Political theology; Christianity & bioethics; Modern Judaism; Holocaust and the ethics of representation; Buddhism; Sufism; Reading Islam; Religion & trade in premodern Asia; Religion in modern Iran; Understanding Muhammad. You will also write a 12,000-word dissertation.

### Career prospects

Recent graduates have become lawyers, teachers, social workers, bankers, civil servants, youth workers, or work in NGOs, the NHS or the churches.

### Why choose Glasgow?

We are passionate about exploring the way that religion shapes political and cultural life. We will help you understand the impact of religion in the contemporary world, in literature and art, in political conflict, and in responses to urgent challenges such as armed conflict and climate change.

Our students reported 100% overall satisfaction in the NSS 2016, 2018 and 2019.

[glasgow.ac.uk/ug/theologyreligiousstudies](http://glasgow.ac.uk/ug/theologyreligiousstudies)

## VETERINARY BIOSCIENCES

Veterinary biosciences is a biological sciences programme designed to provide students with a strong understanding of the key elements that underpin all modern biological sciences, with a major focus on the biology of health and disease in animals.



**BSc (Hons) (D300): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

At the discretion of the programme leader, students with particular entry qualifications may be allowed direct entry into Level 2.

### Year 1

In the first year of the programme you will study a range of subjects including animal anatomy and physiology, chemistry and biology.

### Year 2

You will study principles of animal management, physiology and molecular sciences and receive training in basic research skills.

### Year 3

You will study the pathogenesis, diagnosis and management of disease and develop an appreciation of current challenges in these fields.

### Year 4

In the final year of the programme you will develop advanced professional and quantitative skills and study population medicine, epidemiology and animal welfare and conservation. You will undertake a research project in the school or another approved institution.

### MSci

You will have the opportunity to undertake a placement year as part of a five-year MSci, in industry or other research organisations in the UK or abroad.

### Career prospects

The specialist, applied and hands-on nature of this programme prepares students for a varied and fulfilling range of careers in veterinary biosciences. Our students have progressed to graduate degrees in specialist areas of biomedical sciences, as well as directly into careers in animal nutrition, animal care, conservation and welfare, public health, veterinary diagnostic and scientific research, veterinary physiotherapy, secondary school teaching, the pharmaceutical industry, and epidemiological and disease risk assessment.

[glasgow.ac.uk/ug/veterinarybiosciences](http://glasgow.ac.uk/ug/veterinarybiosciences)

### Summary of entry requirements for Veterinary Biosciences

**SQA Higher Entry Requirements (by end of S6)**  
ABBB Higher + CC Advanced Higher (ABBB S5 minimum for consideration)

Additional requirements: Higher Chemistry, Biology, Mathematics or Physics. Advanced Higher Chemistry and Biology.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AABB – BBBB

Additional requirements: Higher Chemistry, Biology, Mathematics or Physics. Advanced Higher Chemistry and Biology. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

### A-level Standard Entry Requirements

AAB – BBB

Additional requirements: A-level Chemistry, Biology, Mathematics or Physics.

### IB Standard Entry Requirements

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Chemistry, Biology, Mathematics or Physics.

For detailed entry requirements see [glasgow.ac.uk/ug/veterinarybiosciences](http://glasgow.ac.uk/ug/veterinarybiosciences).

### Why choose Glasgow?

The programme is delivered by leading expert life scientists and veterinary clinicians. Glasgow is ranked 1st in the UK for Animal Science (*The Times and Sunday Times Good University Guide 2020*) and one of the best in the UK for quality of veterinary research (REF 2014).

## VETERINARY MEDICINE & SURGERY

As a vet you will be responsible for the prevention of disease and for the medical and surgical treatment of animals, including household pets, zoo animals, farm animals and horses.

99% OF STUDENTS IN WORK WERE IN PROFESSIONAL/MANAGERIAL JOBS\*



BVMS (D100): Five years

### Foundation phase (years 1 and 2)

You will acquire fundamental knowledge and develop the skills and attitudes on which the following years of your training are based. You will relate the anatomy and physiology of the body systems to health and disease in domestic animals, as well as looking at the underlying cellular process involved. You will gain an insight into common husbandry practice and animal breeding and how these impact on the animals we care for. Your professional training starts at the beginning of year 1 as you begin classes in fundamental animal-handling techniques, learn skills such as suturing, and develop your communication skills, building a solid foundation in the art of history taking and clinical examination. At the end of the foundation phase you will have a sound working knowledge of healthy domestic animals, with an introduction to the mechanisms of disease, and you will have developed the fundamental personal skills you will require as you move towards learning based more in professional environments.

### Clinical phase (years 3 and 4)

This phase builds on the foundation phase to provide a broad training in key areas of veterinary professional practice, with a focus on common and important problems and presentations encountered in veterinary work. Realistic scenarios and cases form the basis for integrating clinical and scientific perspectives of veterinary practice. The approach emphasises the role of clinical reasoning and planning, as well as continuing to develop skills and attitudes required to work in the clinical environment and to take a greater responsibility for your learning in the subsequent professional phase of the programme. At the end of the clinical phase you will be prepared for entering the professional phase where you will be completely supported in professional and clinical environments to prepare you for being a knowledgeable and skilled veterinary professional.

### Professional phase (year 5)

In your final year there are no lectures and the primary emphasis is on small-group involvement in clinical activity, covering the common species of domestic animals. You will be involved in all aspects of work in our busy hospitals and will gain first-hand experience in practices linked to the veterinary school. Although this year is structured so that you will receive clinical experience in core clinical areas, there is also the opportunity to focus on personal interests or explore the breadth of opportunities in the veterinary profession by choosing "selective" experiences. Selectives may be used to gain experience in niche veterinary activities

### Summary of entry requirements for Veterinary Medicine & Surgery

**SQA Higher Entry Requirements (by end of S6)**  
AAAAB Higher at end of S5 + BB Advanced Higher (AABB S5 minimum for consideration)

Additional requirements: Highers Chemistry, Biology and Physics or Mathematics. Advanced Higher Chemistry and Biology. Practical experience. Interview.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**

AAAAB Higher at end of S5 + BB Advanced Higher (AABB S5 minimum for consideration)

Additional requirements: Highers Chemistry, Biology and Physics or Mathematics. Advanced Higher Chemistry and Biology. Practical experience. Interview. Successful completion of Reach.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**  
AAA

Additional requirements: A-Levels Chemistry and Biology (third Science A-level recommended). GCSE English at Grade B or 5. Practical experience. Interview.

**IB Standard Entry Requirements**  
38 (6,6,6 HL)

Additional requirements: HL subjects Chemistry and Biology. SL English and Physics or Mathematics at 6. Practical experience. Interview.

*Interviews* – Candidates seriously considered for admission to the BVMS programme will normally be interviewed between December and February before a final decision is reached.

For detailed entry requirements see [glasgow.ac.uk/ug/veterinarymedicine](http://glasgow.ac.uk/ug/veterinarymedicine).

(such as wildlife, zoo and exotics) or to gain in-depth clinical experience related to core subjects.

### Career prospects

As a graduate, you can register as a member of the Royal College of Veterinary Surgeons (MRCVS). Along with the University's accreditation by the American Veterinary Medical Association (AVMA), this means that our graduates can choose to work anywhere in the world, and the global opportunities are endless. The majority of registered veterinary surgeons in the UK are in general practice, which may be small animal, farm animal, equine or mixed. Our graduates are also employed in government service while others are actively engaged in food hygiene or university teaching.

### Why choose Glasgow?

The University is one of six Vet Schools in Europe to have achieved accredited status for its undergraduate programmes from the American Veterinary Medical Association. Veterinary Medicine at Glasgow is ranked 1st in the UK (*Complete University Guide 2020*) and 2nd in the UK (*The Times & Sunday Times Good University Guide 2020*).

[glasgow.ac.uk/ug/veterinarymedicine](http://glasgow.ac.uk/ug/veterinarymedicine)

## ZOOLOGY

Zoology is the scientific study of all aspects of animals, their structure, function, ecology and evolution.

97% BSc STUDENTS SATISFIED\*

**BSc (Hons) (C300): Four years**  
**MSci: Five years**

You may apply for transfer to the MSci mid-programme. MSci applications are NOT taken via UCAS.

### Year 1

You will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study other subjects in years 1 and 2.

### Year 2

You will develop your knowledge of fundamental aspects of biology and be introduced to specialist subject areas according to your interests.

### Years 3, 4 and 5

If you progress to Honours (years 3 and 4) fieldwork becomes an important component of your study mix. Specific topics you may study include invertebrate and vertebrate biology; ecology; molecular ecology; animal physiology; parasite biology; and marine biology. There are also courses on experimental design, data collection and analysis. A major component of your final year is an independent research project.

You can take Zoology as an MSci, which includes an additional placement year, between the third and final years of the degree, normally doing research in industry or a research institute in the UK or overseas.

[glasgow.ac.uk/ug/zoology](http://glasgow.ac.uk/ug/zoology)

### Summary of entry requirements for Zoology

**SQA Higher Entry Requirements (by end of S6)**  
AAAAA Higher or AAAA Higher+B Advanced Higher (ABBB S5 minimum for consideration)

Additional requirements: Higher Biology or Chemistry.

**SQA Higher Adjusted Entry Requirements\* (by end of S6)**  
AABB – BBBB

Additional requirements: Higher Biology or Chemistry. Successful completion of Top-Up or one of our Summer Schools.

\* See [glasgow.ac.uk/accessglasgow](http://glasgow.ac.uk/accessglasgow) for eligibility.

**A-level Standard Entry Requirements**

AAB – BBB

Additional requirements: A-level Biology or Chemistry.

**IB Standard Entry Requirements**

36 (6,6,5 HL) – 32 (6,5,5 HL)

Additional requirements: HL Biology or Chemistry.

For detailed entry requirements see [glasgow.ac.uk/ug/zoology](http://glasgow.ac.uk/ug/zoology).

### Career prospects

Our graduates are employed in research underpinning medicine, agriculture, fisheries and wildlife conservation. An increasing number of graduates also go into environmental monitoring. Others find careers in teaching in a variety of educational establishments, in museums and in the media.

### Why choose Glasgow?

You'll take part in field courses on Loch Lomond and at the Marine Biology Station at Millport in the Firth of Clyde.



# DEGREE PROGRAMME INDEX

We offer a wide range of undergraduate degrees. On the next few pages we list all of our degree subjects and combinations, the degree you will gain and the UCAS code. Our individual degree programmes appear in blue with a page reference for more information.



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# FURTHER INFORMATION

This publication is intended to help you choose your programme of study at the University of Glasgow. Every effort has been made to ensure the accuracy of the information contained within this publication but it is subject to change without notice. If there is any conflict or ambiguity between information contained in this publication and the student contract (see below), then the student contract will prevail.

## The student contract

By accepting an offer from the University of Glasgow, each student enters into a student contract with the University. The student contract is made up of the terms of the offer, the student terms and conditions and the University's Regulations set out in the University Calendar. The student terms and conditions and the University Calendar can be found on the University website at [glasgow.ac.uk/studentcontract](http://glasgow.ac.uk/studentcontract).

The student contract sets out: the terms on which the University will provide the relevant programme or course; the University's Regulations with which students must comply; students' other obligations to the University, our staff, and to fellow students; how the contract may be changed or ended; what to do if there is a problem; and other important information.

This prospectus was published circa 18 months prior to the academic year to which it relates. Any changes such as newly announced courses of study or changes to contact details will be updated on our website. Changes may be made to entry requirements during the summer months post publication of this prospectus, but before commencement of the Admissions Cycle to which the prospectus relates (Admissions Cycle commences in October each year). These changes will be updated on our website prior to October. No changes will be made to entry requirements after commencement of the Admissions Cycle. Further information can be found in Section 21.10 of the Student Terms and Conditions, see [glasgow.ac.uk/studentcontract](http://glasgow.ac.uk/studentcontract).

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The University is proud of its association and validation relationship with three independent institutions: The Glasgow School of Art, Scotland's Rural College and Edinburgh Theological Seminary. If you apply for a programme at one of these institutions, you will be registered with that institution and will pursue your studies there but your final degree will be conferred by the University of Glasgow. Applications to one of the validated institutions should be made to the institution concerned and not to the University.

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**Education UK**  
Innovative. Individual. Inspirational.





# WORLD CHANGING GLASGOW

Our people have always been at the forefront of innovation and our past achievements inspire our current world changers.

#UofGWorldChangers

The University's iconic cloisters connect the East and West Quadrangles.

1451

**THE UNIVERSITY**  
IS ESTABLISHED

1776

**ADAM SMITH**  
PUBLISHES *THE WEALTH OF NATIONS*

1881

**LORD KELVIN**  
LIGHTS A HOUSE ENTIRELY WITH ELECTRICITY

1896

**JOHN MACINTYRE**  
OPENS THE WORLD'S FIRST X-RAY DEPARTMENT

1958

**IAN DONALD**  
SHOWS US THE FIRST ULTRASOUND IMAGE OF A FOETUS

1968

**ROBERT EDWARDS**  
ACHIEVES FIRST FERTILISATION OF A HUMAN EGG IN THE LABORATORY

2014

**NICOLA STURGEON**  
BECOMES FIRST FEMALE FIRST MINISTER OF SCOTLAND

1763

**JAMES WATT**  
BEGINS WORK LEADING TO THE DEVELOPMENT OF THE STEAM ENGINE

1867

**JOSEPH LISTER**  
INTRODUCES ANTISEPTIC IN SURGERY

1894

**MARION GILCHRIST**  
IS THE FIRST WOMAN IN SCOTLAND TO GRADUATE IN MEDICINE

1926

**JOHN LOGIE BAIRD**  
DEMONSTRATES THE FIRST WORKING TELEVISION

1967

**JOCELYN BELL BURNELL**  
DISCOVERS RADIO PULSARS

2004

**EDWIN MORGAN**  
BECOMES SCOTLAND'S FIRST NATIONAL POET

2015

**SHEILA ROWAN** LEADS THE GLASGOW TEAM THAT FIRST DETECTED GRAVITATIONAL WAVES



# VISIT US

## GLASGOW OPEN DAYS

Thursday, 18 June 2020

Wednesday, 2 September 2020

Saturday, 24 October 2020

## DUMFRIES OPEN DAYS

Wednesday, 27 May 2020

Wednesday, 7 October 2020

Wednesday, 25 November 2020

[glasgow.ac.uk/visitus](http://glasgow.ac.uk/visitus)

## CONNECT WITH US



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