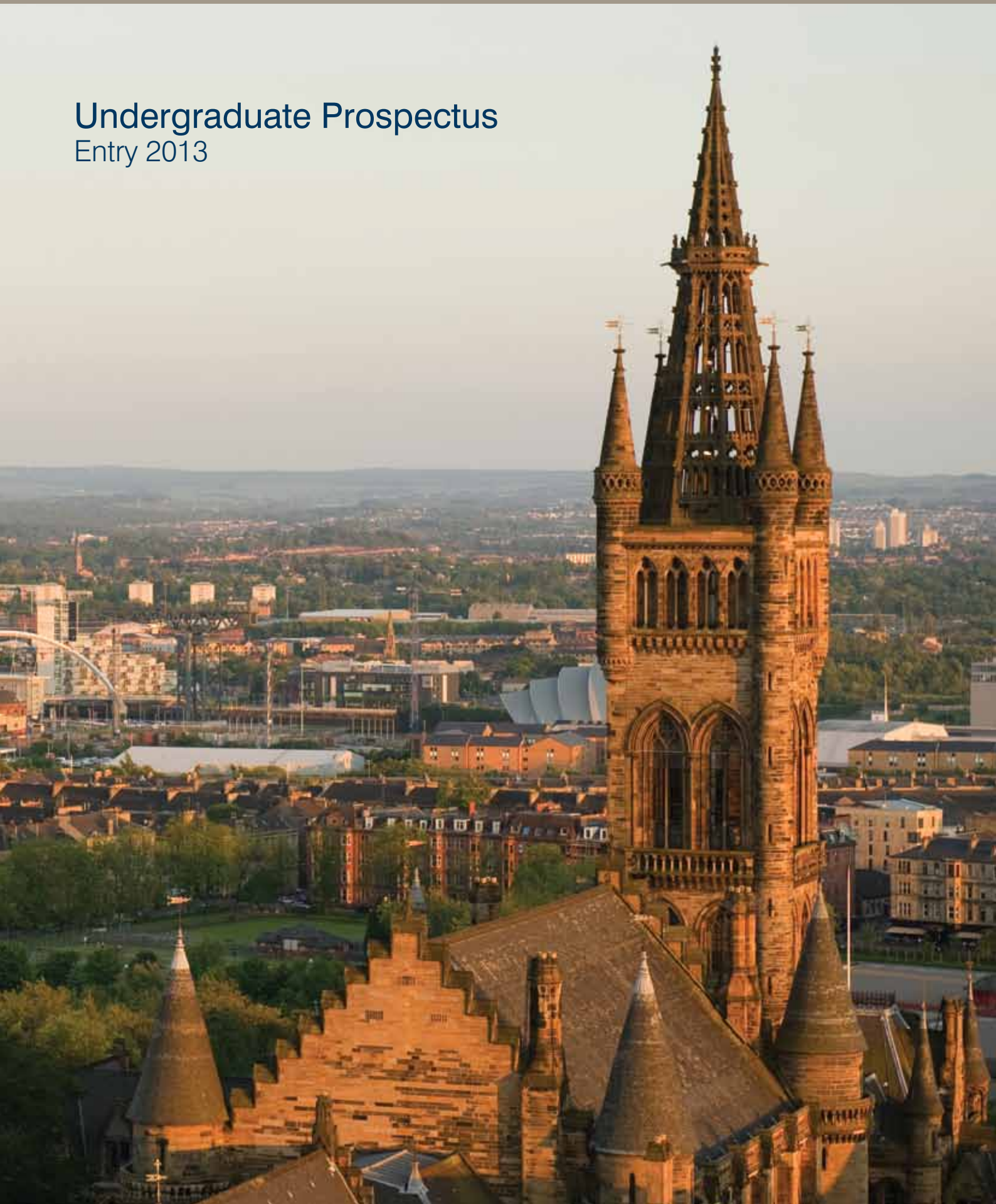




University
of Glasgow

Undergraduate Prospectus

Entry 2013



Say hello to Glasgow

When you're thinking about going to university, it's important to choose the place that feels right for you. We know Glasgow is that place, but we'd like you to decide for yourself. Pay us a visit and we'll show you everything you need to know.

Visit us

Whether you live locally or are thinking of coming here from afar, Glasgow offers a warm welcome. Our Open Days give you the chance to chat to our friendly staff and students, go along to mock lectures, visit our student residences and explore our beautiful campus.

Main campus Open Day dates for 2012

Thursday, 14 June
Wednesday, 5 September

Once you've applied to and received an offer from the University, you'll have another chance to visit us on our Applicants' Visit Day on Tuesday, 26 March 2013.

Dumfries campus Open Day dates for 2012

Wednesday, 27 June
Wednesday, 26 September

We also have several other Open Days throughout the year at our campus in Dumfries, set in 85 acres of parkland in the south-west of Scotland. For more information see www.glasgow.ac.uk/dumfries/visitus.

While our Open Days are a great way to find out more about life at the University, if you can't make these dates, don't worry, we also offer a range of Afternoon Visits throughout the year for an opportunity to visit the campus for a half day. You can also plan your own visit.

For full details about visiting us see www.glasgow.ac.uk/about/visit.

hello



Follow us at
www.glasgow.ac.uk/socialmedia



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- In the top 1% of the world's universities, according to the QS World University Rankings 2011.
- Providing an experience that students love – the 2011 International Student Barometer ranks Glasgow first in the UK for international student satisfaction, and the National Student Survey 2011 reports satisfaction levels of 90% among final-year students.
- Creating an international community by welcoming students from more than 120 countries across the globe.



About us

The University of Glasgow is the fourth oldest university in the English-speaking world. Since opening our doors in 1451, we've dedicated our time to inspiring great minds throughout history, from the father of economics, Adam Smith, to the pioneer of television, John Logie Baird. We're proud that our learning community continues to foster wisdom, respect and satisfaction today.

If you're thinking about studying at Glasgow, we understand that you'll want to take your time to find out all the facts about what we can offer.

We know that you'll be looking for a university that provides a broad choice of subjects, excellent teaching standards and superb facilities. You'll also want to study somewhere with an international reputation, high graduate employment rates and a top-quality student lifestyle in a special location.

These things are important, which is why they all form the Glasgow experience.

So if you choose to study with us, you'll

- be part of a university ranked in the **top 1%** of the world;
- learn from **pioneering academics** whose research is internationally recognised;

- join a student population made up of over **23,000 people** from **more than 120 countries**;
- find **first-class facilities** for sport, one of the best libraries in Europe and a new student services building where you can get advice on everything from careers to council tax;
- benefit from living in the **UK's third largest city** – and Scotland's largest – with a renowned music scene, excellent shopping, a wealth of arts and cultural venues, and friendly nightlife, all on your doorstep.

These are some of the reasons why the International Student Barometer ranks us first in the UK for overall student satisfaction, and why our final-year undergraduates report satisfaction levels of 90%, according to the National Student Survey. These are just some of the reasons why we think Glasgow's a wise choice.

‘Our main piece of advice is, if you come, be prepared to fall in love with it: the buildings, the unions, the atmosphere and, most of all, the people.’

Virgin Guide to British Universities 2011

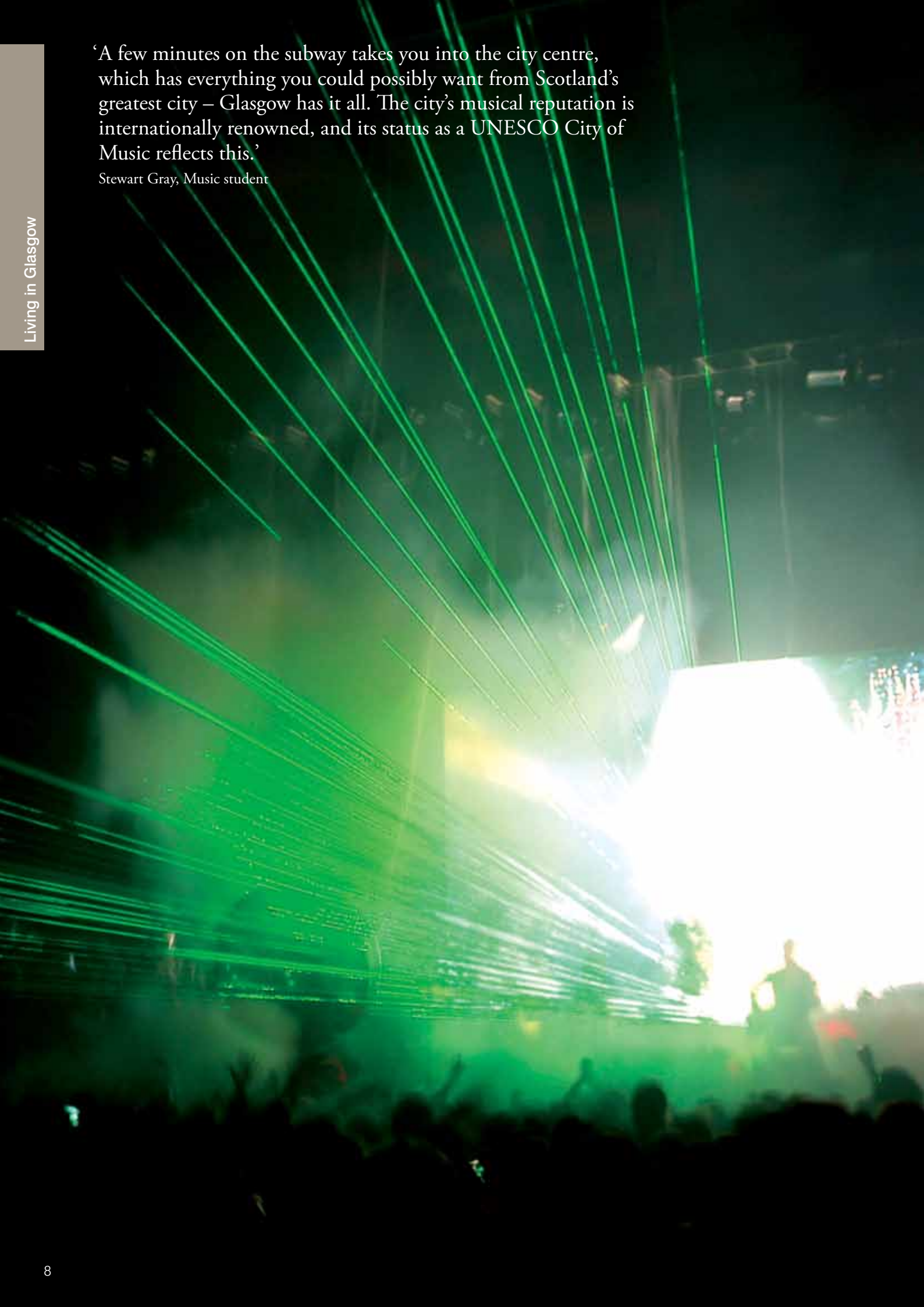


Living in Glasgow



‘A few minutes on the subway takes you into the city centre, which has everything you could possibly want from Scotland’s greatest city – Glasgow has it all. The city’s musical reputation is internationally renowned, and its status as a UNESCO City of Music reflects this.’

Stewart Gray, Music student





Going out in Glasgow

Glasgow has a legendary reputation for being a welcoming, fun-filled and accessible city. Whether you're into going to gigs, hitting the clubs or dining out, you'll find plenty of entertainment nearby to enjoy with friends.

A city of music

As the UK's first UNESCO City of Music, Glasgow has a renowned gig scene that draws the most exciting talent. On average, Glasgow hosts around 130 music events every week, from indie and rock gigs to classical concerts and folk festivals, so you'll always find something worth listening to. Popular large venues include the famed Barrowlands with its unique atmosphere, and the SECC, which attracts the biggest names and has twice hosted the MOBO Awards. Great places to spot rising stars are The Captain's Rest and King Tut's – voted the UK's best live venue by listeners of Radio 1 three years in a row.

The city is a powerful magnet for musicians. Home-grown and adopted names who have found Glasgow to be a launch pad for their careers include: Biffy Clyro, Belle and Sebastian, Franz Ferdinand, composer Craig Armstrong and singer/songwriter Emeli Sandé, who studied at the University. It's not all about the bands, however – Scottish Opera, the Royal Scottish National Orchestra and the BBC Scottish Symphony Orchestra are all resident here too.

Nights to remember

Glasgow boasts more than 700 bars, pubs and nightclubs, meaning no two nights are the same. Only in this city could it be possible to begin an evening with a drink in a converted church (Cottiers), move on to mingling around Britain's longest continuous bar (the Horseshoe), and end up dancing in a basement club (the Subclub), or aboard a river boat (the Renfrew Ferry).

If pubs and clubs aren't for you, there's an impressive mix of theatre, comedy and cinema options. Glasgow has two comedy clubs and there's plenty to see at one of the many theatres, whether you'd like to discover performance art in the Arches theatre, or take in a musical at the King's. New plays from home and abroad are on show at the Tron, the Tramway, and the Citizens Theatre and there are seven cinemas in the city, with the Cineworld multiplex containing 18 screens alone. Independent and art house films find a home at the GFT.

Eating out

Glasgow's fantastic range of restaurants, cafés and eateries reflects the city's diverse population, so there are plenty of reasons to forget the microwave and head out for a great meal. Whether you're after an amazing Asian kitchen that's open until 2.30am, a scoop of the creamiest Italian ice cream, or a plate of haggis, neeps and tatties – Scotland's national dish – Glasgow won't disappoint. Those who like it hot will be pleased to hear that our curry houses are second to none (the city has been voted UK Kingfisher Curry Capital four times in the last eight years).

Meanwhile, another Glasgow institution – the tea room – is seeing a resurgence in popularity. Originally, afternoon tea was based around quaint china teacups, scones and Rennie Mackintosh decor, but some venues are now giving the tradition a twist by serving up delicious cakes and cocktails in retro tea sets.

Glasgow is the highest ranking UK city for personal safety, according to the worldwide Mercer Quality of Living Survey 2011.

Get more out of Glasgow

Whether you know it as a city of culture, city of style, host of the 2014 Commonwealth Games, or Scotland's 'dear green place', what's clear is that Glasgow has loads to offer you as a student. For culture vultures, shopaholics and sports enthusiasts alike, the largest city in Scotland has it all.

Culture

According to a recent report, Glasgow employs more people in the cultural sector than it ever did in the shipbuilding trade. These days, art lovers and museum wanderers are spoilt for choice in the city, especially since getting a glimpse of many of the city's collections is free.

Glasgow's museums are the most visited in the UK outside of London. There are 17 of them in total, from the famous Burrell Collection, which holds more than 9,000 works of art including those by Degas, Epstein and Rodin, to the shiny new Riverside Museum of Transport and Travel, which has proved to be an instant hit on the River Clyde – you can even travel to it by ferry.

Just a stone's throw from the University is the ever-popular Kelvingrove Art Gallery and Museum, which displays 8,000 objects including works by Van Gogh, Monet and Botticelli, while for modern art enthusiasts there's the Gallery of Modern Art and Centre for Contemporary Arts in the city centre. You'll also find world-class collections on campus at The Hunterian (see the next page for details).

Shopping

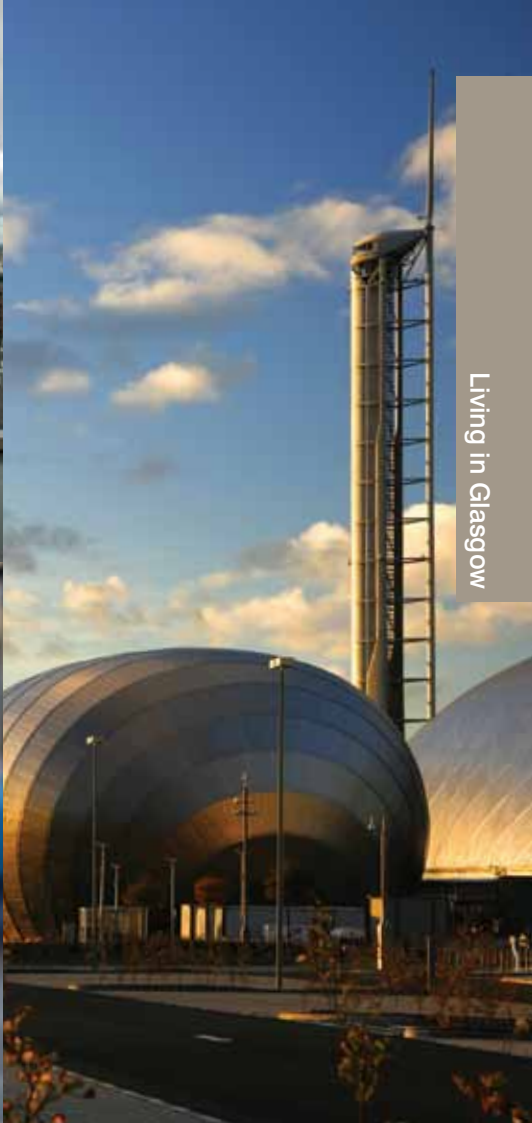
There's a reason why Glasgow is known as Scotland's city of style. To many people, it's the UK's best centre for shopping outside of London. The biggest designer names are found in the Merchant City – think Cruise, Armani, Bose and Agent Provocateur. If this is all a bit beyond your budget, Glasgow's 'style mile' of pedestrian zones in Sauchiehall Street, Buchanan Street and Argyle Street is where you'll find favourites like Topshop, Primark, Urban Outfitters and H&M.

Sport

Whether playing the game or enthusiastically supporting, Glasgow wears its passion for sport on its sleeve. The city is due to host the Commonwealth Games in 2014, which means that huge investments in sporting facilities are being made. As a resident here, you can access sports amenities all over the city, including gyms, running tracks, swimming pools and wall climbing venues. There's even an indoor snowboard and ski slope made from real snow at Braehead Snozone on the outskirts of the city.

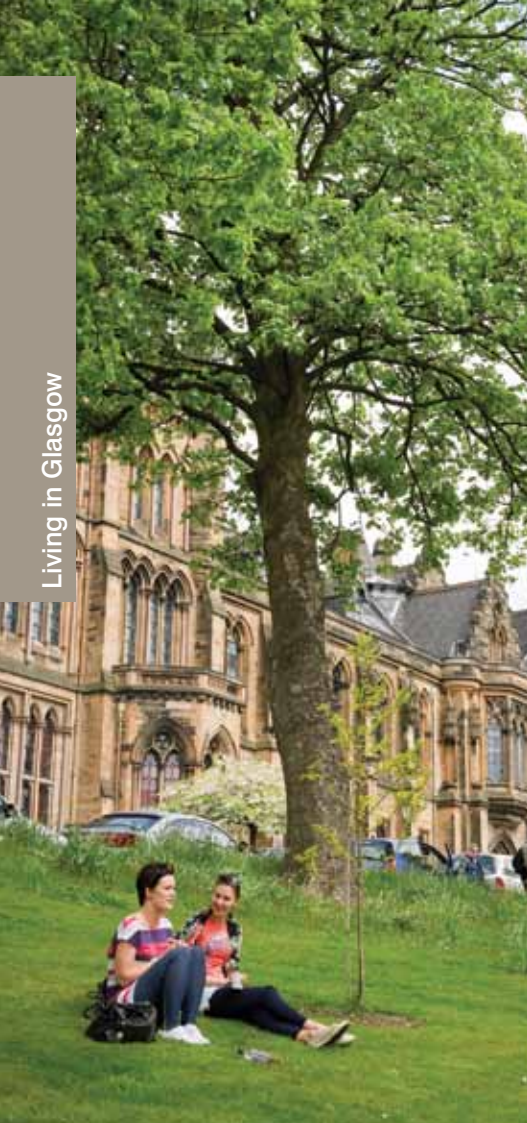
'Glasgow is one of those rare places that inspires life long loyalty in the people who are lucky enough to spend time there. At about the same time as you've learned to decipher the local accent, you'll feel like you're in on a big secret. Because Glasgow is one of Britain's urban gems.'

James Bainbridge, Author, Lonely Planet's *Study Glasgow*



Living in Glasgow





Our campus in the city

The main University campus is located in the West End of Glasgow, within easy reach of the city centre by public transport or on foot. Whether you're looking for a grassy spot to read and relax or a lively café to catch up with your classmates, our campus in this friendly area of Glasgow makes the perfect environment for work and play.

Aside from studying, you'll find yourself spoilt for choice with things to do and see around the University campus and the West End.

- Wander through the tranquil cloisters and quadrangles of the University's neo-gothic Gilbert Scott Building and then take in a panorama of the city from the ultimate viewing point at the Gilmorehill flagpole.
- Enjoy a music gig at the Queen Margaret Student Union, where big-name bands and breakthrough acts take to the stage all year round.
- Catch the latest film in one of the cosy leather seats at the Grosvenor cinema, then grab a drink and a bite to eat in one of the many bars and eateries on Ashton Lane.
- Hunt for hidden treasures in the boutiques and vintage shops dotted along the cobbled side streets lying off Byres Road.
- Take a stroll along the river through Kelvingrove Park or visit the Botanic Gardens – internationally renowned for its impressive glasshouses and plant collections.
- Follow the parade at the West End Festival or celebrate all things Indian at the Glasgow Mela – just two of the many festivals and events held every summer on the University's doorstep.

World-class collections on campus

The University holds world-class collections at its Hunterian Museum and Art Gallery. Founded in 1807 and recently refurbished, The Hunterian is one of the leading museums in the UK – and Scotland's oldest – and home to some truly amazing and unique objects. At the Art Gallery you'll find one of the most distinguished public art collections in Scotland, particularly famous for Whistler, Mackintosh and many other internationally recognised artists. See www.glasgow.ac.uk/hunterian.

Our other campuses

Our second city campus is home to our Vet School and is located on the Garscube Estate, on the north-west boundary of the city. Our Small Animal Hospital, the Weipers Centre for Equine Welfare and a wide range of sports facilities are also based here, all within easy reach of our main campus.

The University's beautiful rural campus in Dumfries provides the ideal location for our School of Interdisciplinary Studies. See the next page to find out more about the unique student experience it offers.

‘There's everything for you here – whether you want a good night out, a cultured wander around the museums and galleries or a chilled sit in the Botanic Gardens. It's all around the corner from our beautiful campus and you know you'll be helped along the way for every day you call Glasgow home.’

Matilda Lomas, Geography & Public Policy student



Our campus in Dumfries

The University's School of Interdisciplinary Studies is based in Dumfries, in the heart of one of the most scenic and unspoilt regions in Scotland. Here you'll join a small and friendly community of students of all ages and backgrounds, while enjoying the facilities of our world-class University.

About the campus

Your lectures and tutorials will be in the historic and beautifully refurbished Rutherford/McCowan building, set in 85 acres of parkland and gardens. A brand new library and extensive IT facilities were added in 2008, giving you a combination of a traditional collegiate teaching environment and modern, state-of-the-art learning resources. You'll also have access to library facilities at our main Glasgow campus.

Small group teaching

In Dumfries we specialise in small group teaching. Our excellent staff-student ratio ensures our lecturers get to know you and you'll receive individual attention. You'll be able to get your ideas across more easily, building your confidence and critical thinking. Our lecturers, who are top academics, are always happy to give you support and feedback when you need it.

Choice, flexibility and interdisciplinary teaching

Our degrees in Dumfries are interdisciplinary. This means rather than just teaching you a selection of separate subjects, we teach you how they relate to each other and to the wider world. You'll be able to choose elective courses in a range of subjects, either to complement your degree subject or for personal interest. You'll gain a strong, broad base of education and a range of transferable skills sought after by graduate employers.

Practical, hands-on learning

All of our degree programmes have a professional orientation and include a high level of practical learning. You'll have the opportunity to undertake a placement with a relevant employer, giving you the skills and networks to

hit the ground running with your graduate career. Many courses include extensive fieldwork and site visits, making the most of the abundant resources on our doorstep, particularly for our environmental courses. And, of course, we offer the opportunity to study abroad too.

About the town

Located approximately two hours south of Glasgow and less than an hour from Carlisle, Dumfries is a friendly university town surrounded by unspoilt Scottish countryside. You can enjoy the restaurants, pubs, cinemas, shops and sports facilities in the centre or explore further afield and go mountain biking, hillwalking, diving, sailing or canoeing.

If you're looking for culture, you'll find an impressive arts and live music scene in Dumfries & Galloway. The area is steeped in literary history, being the final resting place of Scotland's national bard, Robert Burns, and host to the internationally acclaimed Wigtown Book Festival.

What can I study at Dumfries?

- Environmental Stewardship (see page 104)
- Health & Social Studies (see page 115)
- Primary Education with Teaching Qualification (see page 157)

How to get here

Dumfries is in the south-west of Scotland. The town is well connected and there is a variety of ways to get here, including by air, train, boat, bus or car. It is also on a national cycle route. For full travel details visit www.glasgow.ac.uk/dumfries/howtofindus.

We're keen to welcome prospective students to visit our campus. Please see the inside front cover for details of our Open Days.



‘Dumfries campus is beautiful, offering a rich and inspiring view from every classroom.’

Julianna Gordon, Dumfries undergraduate student

‘The excellent and affordable transport links from Glasgow make visiting Scotland’s treasures easy. From the many scenic lochs and mountains to the bustling cities, Scotland has history and culture in abundance.’

Craig Tyler Barratt, Chemistry graduate



scenic



Your Scotland

While you could easily spend all your free time enjoying the attractions and entertainment that the campus and city have to offer, don't forget there's a whole country out there just waiting to be explored.

Glasgow is your gateway to some of the most awe-inspiring scenery and major cultural attractions in the world. Whatever your mode of transport, you could be discovering Scotland in no time.

From Glasgow, you're

- 25 minutes from the Clyde coast and its beaches, castles and ice cream parlours;
- 40 minutes from Loch Lomond, the heather-clad peaks of the Trossachs, and routes to the Highlands and the Cairngorms;
- within easy access of renowned events such as the Edinburgh International and Fringe Festivals and T in the Park;
- three hours' drive from skiing and snowboarding slopes in the right conditions;
- within a few hours' drive of some of the best hill-walking, climbing, mountain biking, sailing and golf courses in the UK.

How to get here

By air

Glasgow International Airport is 7 miles away.
Prestwick International Airport is 33 miles away.
Edinburgh International Airport is 42 miles away.

Approximate flying times:

Glasgow to London – 1 hour 20 mins
Glasgow to Bristol – 1 hour 15 mins
Glasgow to Amsterdam – 1 hour 40 mins
Glasgow to Geneva – 2 hours 15 mins.

Dumfries & Galloway is home to several of the 7stanes, a series of world-class mountain bike centres spanning the south of Scotland. There are 400km of all-weather trails, from downhill tracks to forest paths.

By train

Two train stations in the city centre link to all major stations in the UK.

Journey time to Edinburgh – 48 minutes
Journey time to London – 5 hours.

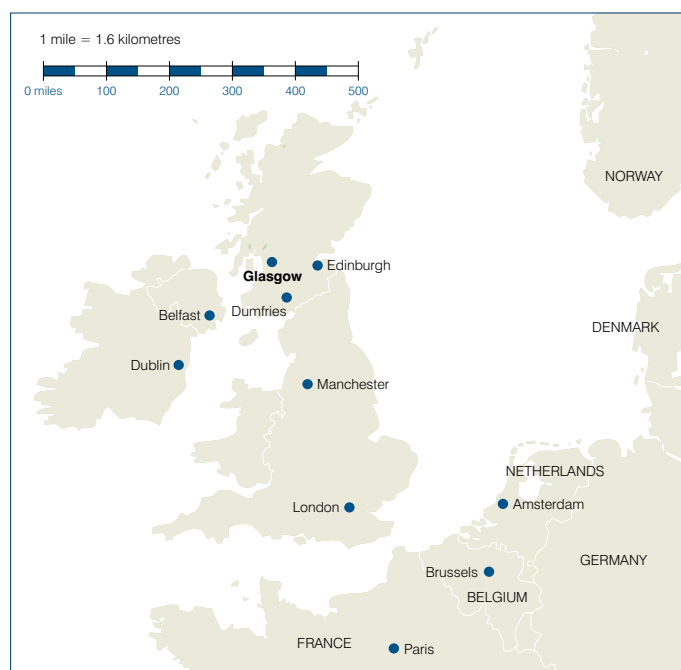
By boat

Ferries link Larne (near Belfast) in Northern Ireland to Cairnryan, approximately 90 minutes south of Glasgow by car. There is also a Belfast to Stranraer sailing and a high-speed service from Larne to Troon between March and October.

By road

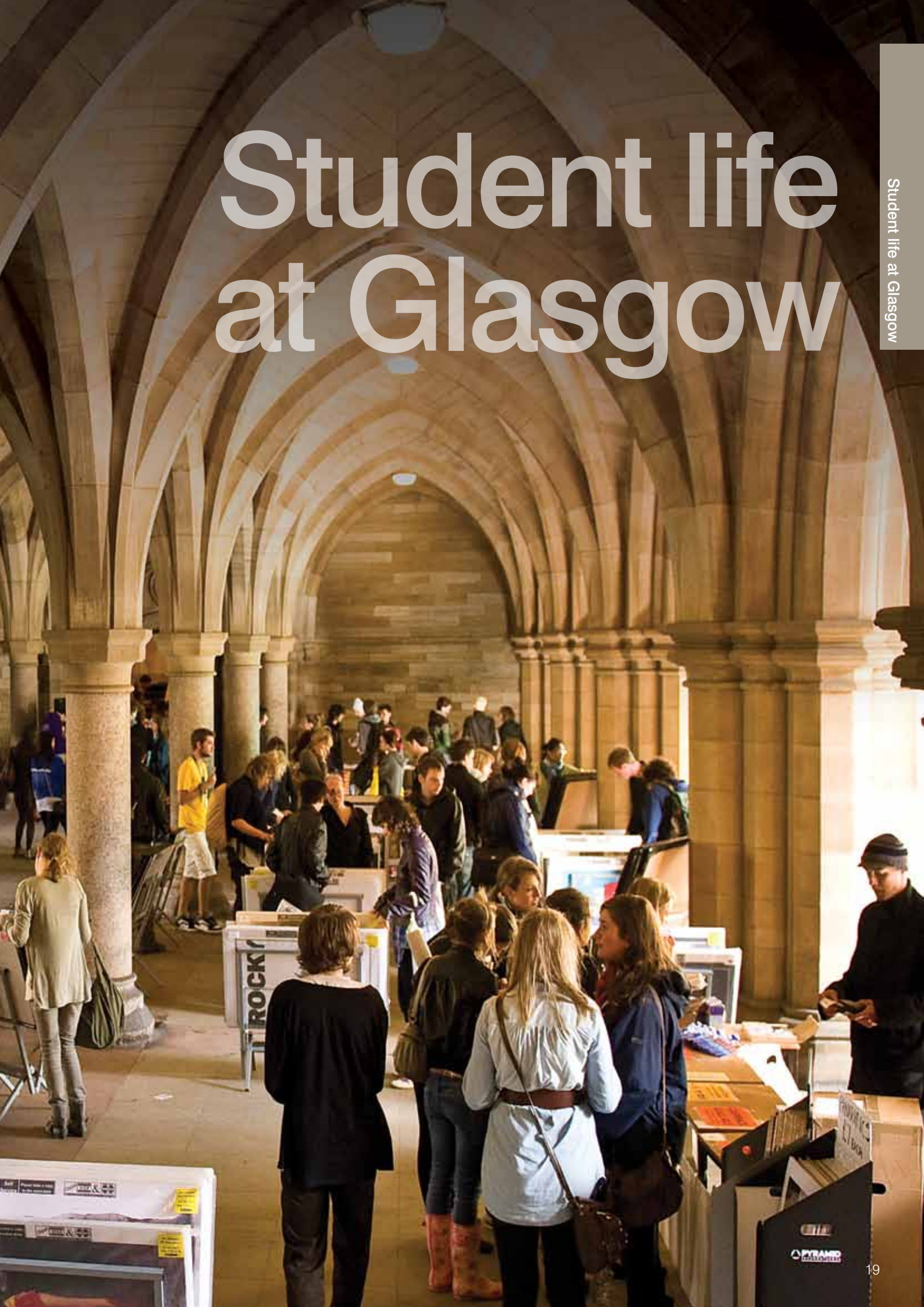
Motorway links provide quick access to major cities throughout the UK. Approximate journey times:

Glasgow to Manchester – under 4 hours
Glasgow to Birmingham – under 5 hours
Glasgow to Cardiff – under 7 hours
Glasgow to London – 7 hours.





Student life at Glasgow



Accommodation

www.glasgow.ac.uk/accommodation

From halls of residence to student apartments, we can offer you a wide range of safe, comfortable and affordable accommodation to help you settle in. Our residences are available mid-September to mid-June and accommodation is also available over the summer vacation.

Am I eligible?

Priority is given to those with the greatest need for accommodation, so we have a selection system geared towards applicants who

- are pursuing a full-time degree programme at Glasgow and
- are in first year and
- live outwith reasonable daily commuting distance and
- have firmly accepted an unconditional or a conditional offer to study at the University.

If you'll be studying full-time, you'll be placed in one of two categories:

- A – applicants who live outwith reasonable daily commuting distance
- B – applicants who are able to commute daily using public transport.

If you're in category A, you're guaranteed a place in University accommodation or one with a recommended private provider, but you must

- apply before 22 August of your intended year of entry
- have firmly accepted an unconditional offer, or met the conditions of a conditional offer.

If you're in category B, you'll be placed on a waiting list and considered for accommodation from mid-summer onwards.

Non-graduating European students planning to attend the University for less than a full academic session may not be guaranteed accommodation. However, if you plan to study in Semester 2, from January, please apply online as we may be able to offer accommodation from then onwards. In all cases, we can offer advice and assistance.

Where can I live?

We have six student residences for undergraduate students which are situated between a two-minute and 45-minute walk from our main campus. All are no-smoking and have

- points for internet and phone access
- live-in wardens and on-site security staff
- laundry facilities.

For more information about each of our residences see www.glasgow.ac.uk/undergraduate/accommodation.

How much does it cost?

Fees range from around £3,104 for a shared room in a self-catered residence, £4,684 for a single en-suite room in a self-catered residence, to around £6,130 for an en-suite single bedroom in catered accommodation. These fees cover a 39-week period from September to June.

Please note: payments by direct debit are spread over 8 months (October to May).

To see up-to-date prices for all our residences, see www.glasgow.ac.uk/undergraduate/accommodation/fees.

For more information about the cost of living and other useful financial advice for students see www.glasgow.ac.uk/studentfinance.

How do I apply?

You can apply online from February 2013. For more advice and information about how to apply using our online application system see www.glasgow.ac.uk/undergraduate/accommodation/howtoapplyforaccommodation.



‘I stayed in halls in first year. It’s a great way of meeting other people, especially if you have moved far from home and don’t know anybody. There is always someone to go out with, go to uni with and talk to in your flat.’

Emily McIlwaine, Genetics student



Accommodation guarantee

Most new full-time students studying for a degree, including international students, are guaranteed accommodation (subject to our admissions policy).

Getting around

The University offers a free campus-to-halls minibus service. These minibuses operate on weekday mornings and evenings during semester, making it easy for you to travel between your halls and the campus.

Private accommodation

If you’d prefer to find private accommodation in the city, we can offer advice and also help you in your search. Register online to search our private accommodation database at www.glasgowpad.org.

If you have a disability

There is accommodation available in a number of our residences for students with disabilities. It’s a good idea to discuss any special requirements you may have with us as soon as possible. You can contact us direct (tel: +44 (0)141 330 4743, email: accom@glasgow.ac.uk) or, if you prefer, you can get in touch with our team of Student Disability Advisers (tel: +44 (0)141 330 5497, email: disability@glasgow.ac.uk).

Families and couples

We also offer a small number of fully furnished self-contained flats suitable for couples or families.

Find out more

www.glasgow.ac.uk/accommodation
Tel: +44 (0)141 330 4743
Email: accom@glasgow.ac.uk

Sgeama Còmhnaidh nan Oileanach

A bheil Gàidhlig agad? An còrdadh e riut fuireach còmhla ri daoine eile aig a bheil Gàidhlig? Seo agad an cothrom le Sgeama Còmhnaidh nan Oileanach! 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.

Tha Sgeama Còmhnaidh nan Oileanach fosgailte do dh’oileanaich sam bith aig Oilthigh Ghlaschu a dh’aindeoin dè an cuspair a tha iad a’ dèanamh, cho fad ‘s a tha iad fileanta anns a’ Ghàidhlig.

Feumaidh oileanaich air an Sgeama seo a bhith deònach Gàidhlig a bhruidhinn gu làitheil, deònach tachartasan Gàidhlig a fhrithealadh aig an Oilthigh agus cuideachd deònach aon tachartas Gàidhlig a chur air dòigh iad fhèin uaireigin tron bhliadhna. Agus airson seo, gheibh oileanaich taic airgid airson am mail, air a thabhainn leis an iomairt, Gàidhlig @ Oilthigh Ghlaschu.

Airson barrachd fiosrachaidh, thoiribh sùil air <http://taighnagaidhlig.org/> neo cuiribh fios do: Fiona Dunn, Oifigear na Gàidhlig aig fiona.dunn@glasgow.ac.uk (tel: +44 (0)141 330 8505).

Tha an obair seo air a maoineachaidh le Riaghaltas na h-Alba, Bòrd na Gàidhlig, Comhairle Maoineachaidh na h-Alba agus Oilthigh Ghlaschu.

Gaelic Language Residency Scheme

Do you speak Gaelic? Would you like to live on-campus with other Gaelic speakers? Well here is your chance! Sgeama Còmhnaidh nan Oileanach is a unique residency scheme offering Gaelic speaking students the opportunity to live together on-campus in a Gaelic environment for the academic year.

The Scheme is open to any University of Glasgow student regardless of their discipline, providing they have a high degree of fluency in Gaelic.

Students who successfully gain a place on the Scheme will be expected to speak Gaelic on a daily basis amongst their house mates, regularly attend Gaelic events taking place on the campus and organise at least one Gaelic-related event of their own. In return, students will receive a reduction in their annual rent costs provided by the University-wide initiative, Gaelic @ the University of Glasgow.

For more information on the Scheme see <http://taighnagaidhlig.org/> or contact the University Gaelic Language Officer, Fiona Dunn, on fiona.dunn@glasgow.ac.uk (tel: +44 (0)141 330 8505).

This project is funded by the Scottish Government, Bòrd na Gàidhlig, the Scottish Funding Council and the University of Glasgow.



Get involved

Everyone needs a break from studying and you'll find plenty of fun things to do day and night at the University. Here are just some of the services available and activities you can get involved in.

Glasgow has four separate student organisations, rather than a traditional student association, meaning there are elected students focusing on a variety of services and representation for their fellow students. There's the Students' Representative Council (SRC), two social student unions and a dedicated sports association. In addition, we have over 100 clubs and societies and six student media outlets on campus.

Students' Representative Council

When you become a student at Glasgow, you automatically become a member of the Students' Representative Council (SRC). Run by students, the SRC is responsible for representing student views and opinions to the University in a huge number of ways, from campaigning to sitting on all the major University committees.

It also provides a wide range of services to help you save money, get involved with extra-curricular activities and volunteering, and look after your welfare while at Glasgow. These include a minibus service, confidential advice centre, student volunteer support service, information nightline, second-hand bookshop and more.

See www.glasgowstudent.net for further information.

Award-winning student media

The University has six media outlets, four of which are run by the SRC and one by each union. *Glasgow University Guardian* is one of the country's leading student newspapers. Its sister publication *Glasgow University Magazine (GUM)* is the oldest student publication in Scotland, providing views and culture for Glasgow students. Both have won numerous Herald Scottish Student Press Awards in recent years.

Subcity Radio is a student and community radio station known in the city as much for its events and promotions as it is for providing quality music and comment online at www.subcity.org. Glasgow University Student Television is an online student television station, covering news, views and entertainment. It holds the record for most Best Broadcaster awards at the National Student Television Association Awards.

Student unions

Glasgow has not one but two student unions both offering fantastic facilities and weekly entertainment.

Glasgow University Union

- Nine bars and the West End's largest nightclub, libraries, a snooker hall and pool tables, a shop, quizzes, open mic nights and five times world debating champions. Named UK Student Union of the Year 2011 at the Mirror Club Awards.

Queen Margaret Union

- New music, local bands, big name acts, Cheesy Pop – the longest running student club night in Glasgow – open mic nights, two quizzes and karaoke. Well known for charity fundraising and campaigning on campus.

Music in the University

Do you sing, compose or play an instrument? Based in the UK's first UNESCO City of Music, our varied collection of University music groups can offer you many ways to hit the right notes. And if you love to listen, you'll enjoy our range of public performances, including the popular international Thursday lunchtime concert series.

For more information visit www.glasgow.ac.uk/concerts and www.glasgow.ac.uk/musicintheuniversity.

‘The two unions at either end of University Avenue are great as they provide services for different types of people.’

Nadine Headley, Veterinary Medicine & Surgery student





Sport for everyone

From the serious to the social side of sport, at Glasgow we love it all. So whether you're a world-class athlete or a complete beginner, you'll have all the facilities and expertise you need to keep you motivated. What else would you expect from the city that's preparing to host the 2014 Commonwealth Games?

What can I do?

Aikido
American football
Athletics
Badminton
Basketball
Boat (and rowing)
Boxing
Canoe
Cheerleading
Cricket
Curling
Cycling
Fencing
Football
Gaelic football
Golf
Hares and Hounds
Hockey
Judo
Karate
Kendo
Lacrosse
Mountaineering
Muay Thai boxing
Netball
Potholing
Riding
Rifle and sporting gun
Rugby
Sailing
Shinty
Shorinji Kempo
Ski and snowboard
Skydive
Squash
Sub aqua
Surf
Swimming and waterpolo
Tennis
Trampoline
Triathlon
Ultimate Frisbee
Volleyball

Sport for fun

We have over 16,000 members of our sports facilities and approximately 3,000 students participate in one or more of our 47 different sports clubs. With so many activities to try out and plenty of post-exertion socialising to take part in, you'll be getting fit and having fun at the same time. Sport & Recreation coordinates and promotes sports clubs and recreational sport among our students. Glasgow's student-run University Sports Association (GUSA) offers a great opportunity for you to really get involved in supporting and developing student sport at the University.

Sport for fitness

The University's two purpose-built exercise centres are open seven days a week, early until late, making it easy for you to take a break from your studies to exercise. Our impressive facilities include:

- a six-lane, 25m heated swimming pool
- sauna and steam room
- fitness suite
- squash courts
- core zone, strength suite, cardio suite and exercise studio
- activity halls
- grass and synthetic pitches
- cricket oval
- tennis courts.

You can also get involved in our programme of specialist courses, drop-in sport sessions and our recreational football, hockey and squash leagues. We offer around 50 exercise classes a week too, from circuits to Zumba.

‘Such a low-cost gym, with such high-class facilities. Unbelievable.’

Darren Duffy, Politics graduate

Sport for the great outdoors

If you like some fresh air in your fitness regime then you're in the right place. Clubs such as the Hares and Hounds offer road, cross country and hill training runs that cater for all standards, or you could tackle some of Scotland's fantastic mountain trails with the cycling club. You could even find yourself skydiving, surfing, snowboarding or potholing in Scotland and beyond.

Sport for team players

There are excellent facilities for team sports at the University's Garscube sports complex, and also at Kelvin Hall International Sports Arena, which is situated very near to the University and boasts Scotland's only permanent indoor track for athletes. Many of our teams compete against the best in the UK with great success.

Support for talented athletes

If you're training to be the best, we can help you balance academic life with your competition schedule. We offer a number of sports bursaries and scholarships including: the Colin Montgomerie Scholarship, which is awarded to the University's best student golfer; Golf Scholarships, available to talented student golfers; and Sports Bursaries, awarded to gifted athletes combining their studies with elite-level sporting performance. We also offer access to other services such as specialist mentor support. What's more, we're constantly working to provide access to the very best facilities around and lead the Glasgow Student Sports City project.

See www.glasgow.ac.uk/sport/talentedathlete and www.glasgowstudentsportcity.co.uk or email euan.smith@glasgow.ac.uk for further details.

See www.glasgow.ac.uk/sport or follow [glasgowunisport](#) on Facebook, Twitter and YouTube to find out more information about sport at Glasgow.



Academic services

Whether you're looking for a rare book for an essay, need help preparing for exams, want to brush up on your computer skills or fancy learning a new language to put on your CV, we can help.

Library

www.glasgow.ac.uk/library

Open 18 hours a day with online access 24/7, the University library is here for you around the clock. Among our 2.5 million books and journals and over 30,000 electronic journals, you'll be sure to find all the material you need for your studies.

We have bright and modern study spaces to accommodate more than 2,500 students. Whether you need a desk to read in peace or a room to discuss your ideas, there's plenty in supply throughout our 12 wifi-enabled floors. And did we mention the impressive city views from the top?

A wide range of services is available including

- Welcome Desk to help you get started
- Library OnDemand and How Do I? online videos
- an extensive range of online library resources available 24/7
- group study rooms
- multiple copies of important books for essays and projects
- over 800 student PCs
- café on Level 3 with a relaxed learning and study space
- specialist libraries for students in chemistry, dentistry, law and veterinary medicine in addition to the main library
- College librarians who can help you find the right sources of information and show you how to use our electronic resources.

Improve your study skills

www.glasgow.ac.uk/sls

The University's Student Learning Service's friendly team of advisers provide study skills support. All registered students are welcome at our workshops, where you can pick up tips on essay writing, effective reading techniques, note-making skills and preparation for exams.

You can also arrange a one-to-one consultation to discuss strategies for successful learning, and

if you're studying first-year, undergraduate-level maths or statistics courses our specialist Maths Adviser can offer additional support.

Learn a new language

www.glasgow.ac.uk/langcent

We run a range of language courses at an extra cost that can help you improve your employability, whatever your level of competence.

IT facilities

www.glasgow.ac.uk/it/forstudents

We provide computer clusters across campus and a variety of systems and applications to assist you in your studies. We also have wireless network access in most public areas so that you can connect your own devices. Student support staff are available at the IT helpdesk in the Library to help with any IT problems.

Free IT training

www.glasgow.ac.uk/it/training

We offer free tutor-led and online courses to improve your IT skills, from an optional Certificate of Basic IT Competence to more advanced units such as dissertation or CV layout, PowerPoint, Excel, databases, programming and much more.

European Computer Driving Licence

www.glasgow.ac.uk/it/training/ecdl/forstudents

You can also gain the internationally recognised European Computer Driving Licence (ECDL), via supported self-study, at a very attractive cost (subsidised by the University).

Other services for students

You can find out more information about the wide range of student services on campus from our Student Service Enquiry Team, based at the centre of our main campus in the Fraser Building. From council tax queries to arranging a new Student ID card, our staff will be able to help.

Information on services available to students:

Careers Service
www.glasgow.ac.uk/careers

Childcare
www.glasgow.ac.uk/nursery

Multi-faith Chaplaincies
www.glasgow.ac.uk/chaplaincy

You'll also find churches, mosques, temples and synagogues within easy reach.

Student Counselling & Advisory Service
www.glasgow.ac.uk/counselling

Student Disability Service
www.glasgow.ac.uk/studentdisability

Student Network
www.glasgow.ac.uk/studentnetwork

Student Network can put you in touch with a current student who's successfully completed first year so you can find out what student life is like at Glasgow at first hand.

For a full list of all our student services visit www.glasgow.ac.uk/studentlife/support





inspired



Planning your career

We want you to be a success, both now and in the future. That's why we offer a wide range of services to help you make the most of your time at Glasgow and prepare you for life after you graduate.

As well as working towards your degree it's important to develop your employability skills. We can provide you with

- one-to-one support from professionally trained careers advisers
- access to thousands of potential employers for jobs and internships
- training and coaching in job-hunting techniques.

Our Careers Service

Whether you know exactly what career path you'd like to take or need a little guidance, the University's Careers Service can help you make the most of your options. We're centrally situated in the Fraser Building, next to the library, making it easy for you to drop in and make an appointment with a specialist adviser.

A wide range of services is available, including

- opportunities to meet global recruiters on campus
- access to work experience placements
- help to build your CV and applications
- links to postgraduate opportunities in the UK and overseas
- an online career management system which alerts you to events, jobs and information relevant to your interests and choices.

Our graduate attributes

We've worked with our staff, students and employer partners to define the skills, qualities and abilities that make our graduates highly employable in the modern global economy – our 'graduate attributes'. These include

- thinking critically
- communicating confidently and effectively
- working independently and as part of a research community
- adapting skills and learning to excel in unfamiliar situations.

We believe that well-developed graduate attributes don't just make you more employable – they also make you a better student. Whether you get a job straight after graduation or stay with us for further study, we aim to help you to develop all the skills you need to succeed.

Our priority is to provide you with as many opportunities as possible to develop your graduate attributes in your time here at Glasgow – not just through your studies, but also through our extensive range of extracurricular opportunities such as volunteering, sport, clubs, societies and work placement programmes.

You can learn more about our graduate attributes at www.glasgow.ac.uk/attributes.

International recruitment

The Careers Service is at the forefront of international recruitment. We've developed Scotland's first live global recruitment fair with international companies and virtual chats and blogs exclusively for international students. These are supported by

- online information sources designed specifically to help international students and graduates job hunt in the UK
- job-hunting seminars with recruiters exclusively for international students
- a hugely popular Interview Academy with state-of-the-art technology and advice from recruiters.

These services are complemented by one-to-one guidance by our careers advisers to help you explore your options and reach your career goals.

Find out more

Tel: +44 (0)141 330 7000
 Email: careers@glasgow.ac.uk
 or visit us at the Fraser Building, Level 2.
www.glasgow.ac.uk/careers

Career opportunities

From the moment you arrive at Glasgow, you'll have plenty of opportunities to enhance your CV, build up your work experience and network with a wide range of potential employers.

Club 21

The Club 21 Business Partnership Programme is a structured work placement scheme specially designed for students at Glasgow. With over 170 employer members (local, national and international), you can apply for paid work placements of between 8 and 12 weeks. The internship can help you develop valuable skills that make you more marketable when applying for graduate jobs.

The University's Careers Service also advertises internship programmes from other organisations to students at the University. In addition to this, we can support you to gain voluntary experience.

Internship Fair

This annual fair attracts many organisations offering a variety of work experience and internships, including volunteering, overseas summer projects, internship programmes with businesses and opportunities within the University's student societies and clubs. It's open to all students and is a great way to start making plans for your summer break.

Sector-specific networking events

Our Skills for Work events offer you the chance to meet employers, with events in both Engineering & Technology and Financial Services. We also run Q&A sessions on careers in charities and the media. Many students who attend enjoy networking with employers to find out what opportunities are on offer and what they are looking for in applicants. In addition to these networking events we also run a sector-specific fair for science employers.

The Spring Graduate Recruitment Fair in Scotland

Organised by the University, this national fair attracts around 60 recruiters with job, training, placement and graduate opportunities. It's aimed at students and new graduates and offers CV and job-hunting advice from careers advisers as well as seminars by representatives from many different sectors.

To find out more information about career opportunities and events for undergraduates see www.glasgow.ac.uk/careers.

'I would highly recommend a Club 21 placement: getting relevant work experience with a large organisation provides the opportunity to apply knowledge from your studies in a practical setting and, furthermore, gives excellent material for your CV.'

Jordan Brown, Accountancy graduate now working for KPMG





Studying at Glasgow



Teaching and learning

You've got the talent and we're here to nurture it. 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.

Learn from our expertise

With one of the most comprehensive ranges of undergraduate degree programme combinations on offer, whether you're interested in single or joint Honours you'll have plenty of scope to find the right degree for you.

Join our friendly and diverse undergraduate community and you'll

- learn from academics who are leading researchers, authorities in their disciplines and have close links with key employers;
- benefit from our vast information resources and have access to state-of-the-art equipment;
- have the opportunity to develop your academic abilities, personal qualities and transferable skills, such as critical thinking, confidence and teamworking skills.

We offer a broad range of teaching methods to help you develop the skills to direct your own learning, including

- **lectures** – large sessions led by a lecturer, which provide the foundations of gathering information about your subject;
- **tutorials** – small group meetings with students and a tutor, which offer in-depth analysis of lecture information;
- **seminars** – larger group sessions which allow more intensive discussion and often focus on student presentations;
- **practicals or laboratories** – hands-on sessions where students develop subject-related skills, particularly in science and engineering programmes, in an appropriate environment;
- **placements and fieldtrips** – an essential part of other programmes, such as Archaeology, Geography and Earth Sciences, which provide practical learning experience often involving time spent away from the University;
- **Moodle** – the University's bespoke online virtual learning environment.

Teaching hours

The number of hours spent in formal teaching varies from subject to subject. It's important to expand on your learning in class by building in regular private study time.

Don't just take our word for it

Here are just some of the things respected independent surveys say about us:

- Our reputation for excellence is internationally recognised – we're in the top 1% of the world's universities, according to the QS World University Rankings 2011.
- Our students are highly satisfied – the 2011 International Student Barometer ranks Glasgow first in the UK for overall student satisfaction, and the National Student Survey 2011 reports satisfaction levels of 90% among our final-year students.
- Our research is world-leading – an impressive 75% of academic staff contribute to subjects where the majority of research is rated world-leading or internationally excellent, according to the latest Research Assessment Exercise, an internationally recognised barometer of research quality.

Teaching excellence

Our staff are always finding innovative ways to help you get the most out of your studies. We celebrate commitment to teaching through our Teaching Excellence Awards and our Students' Representative Council gives you the chance to nominate your favourite teachers for a Student Teaching Award.

We listen to you

Once you've started your studies, your feedback can play an important role in how we develop how our degree programmes are taught. See www.glasgow.ac.uk/studentvoice.

‘Our students are taught by world-leading academics and they get access to some of the best facilities in the world. These are just two of the many advantages of learning in a research-intensive university like Glasgow.’

Professor Frank Coton
Vice-Principal (Learning and Teaching)

‘All of the teaching staff at the University are incredibly engaging speakers and are always keen to help and offer advice. The vast majority go well above and beyond the call of duty to assist students of all levels to achieve their potential.’

Stewart Gray, Music student



dedicated

Choosing your degree

Glasgow is in the top 1% of universities in the world, which means we can offer you a world-class degree. And with one of the most comprehensive ranges of undergraduate degree programme combinations available, you'll be sure to find the right one to match your strengths and interests.

Professional degree programmes

This type of degree is for you if you're keen to practise in a particular profession – as a doctor or lawyer, for example. Your programme will concentrate on the core subjects connected to your degree from the start so that you're fully prepared to enter your chosen profession after you graduate.

The professional degree subjects at Glasgow are

- Accountancy and finance
- Dentistry
- Engineering
- Law
- Medicine
- Nursing
- Teaching
- Veterinary Medicine.

These degrees

- follow a set curriculum to meet the requirements of the relevant professional organisation
- are usually completed in four or five years
- are for students who wish to follow a specific career path, for example as an accountant, dentist, engineer, lawyer, doctor, nurse, teacher or vet.

Honours degree programmes in Arts, Social Sciences and Science

This type of degree programme offers you the flexibility to study several subjects before focusing on the area in which you'd like to specialise. The range of knowledge you gain often appeals to potential employers as it shows you've been stretched intellectually.

During an Honours degree programme you'll usually study

- three subjects in first year
- two or three subjects in second year (two are usually continued from first year)
- up to two subjects at Honours level (third and fourth years). Specialism in one subject results in Single Honours qualification and in two subjects Joint Honours qualification.

Honours degrees are usually completed in four years apart from degrees that involve a language, which usually require an additional year studying abroad.

You should indicate in your UCAS choices the subject(s) that interest you the most, but you'll be able to try at least three subjects during the first two years, before you pick your Honours options.

Main degrees awarded at Glasgow

Bachelor of Accountancy (BAcc)

Bachelor of Dental Surgery (BDS)

Bachelor of Divinity (BD)

Bachelor of Education (BEEd)

Bachelor of Engineering (BEng)

Bachelor of Laws (LLB)

Bachelor of Medicine, Bachelor of Surgery (MBChB)

Bachelor of Music (BMus)

Bachelor of Nursing (BN)

Bachelor of Science (BSc)

Bachelor of Technological Education (BTechEd)

Bachelor of Theology (BTheol)

Bachelor of Veterinary Medicine & Surgery (BVMS)

Master of Arts (MA)

Master of Arts (MA) (Social Sciences)

Master of Engineering (MEng)

Master in Science (MSci)



Glasgow offers one of the widest ranges of Joint Honours programmes in the UK – see page 180 for full details.



About Honours

In most cases a decision will be made at the end of the second (or sometimes third) year about whether or not you will progress to Honours level. Entry is not automatic, but based on your academic performance during your first two years of study. Being admitted on a particular UCAS code does not mean that you're automatically accepted to Honours-level study in that subject.

While many of our students go on to Honours, some entry levels can be demanding. If you don't achieve the required grades for Honours, you can complete a general degree at the end of your third year, which follows a broader programme of study.

For more information about how our Honours degree programmes in arts, social sciences and science subjects work, see the next six pages.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly into Year 2 or follow a faster route advanced entry programme, both of which allow you to complete your degree in one year less than usual. This would allow the completion of a standard Honours degree (MA, MA (SocSci) and BSc) within three years and a

standard MSci or MEng degree within four years. This does not apply to all degree programmes or subjects. See individual programme entries for more information.

Part-time study

Some subjects may be studied on a part-time basis. Contact the Undergraduate Admissions team, tel: +44 (0)141 330 3177 or email: student.recruitment@glasgow.ac.uk for further information. For enquiries about studying part-time at our Dumfries campus, email: admissions@crichton.glasgow.ac.uk or tel: +44 (0)1387 702131/702001.

Support during your studies

When you arrive at Glasgow you'll have your own Adviser of Studies who may meet with you to help you finalise your choices. You'll also be able to contact your adviser if you have any concerns during your studies.

A note on names

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



'The combinations of subjects on offer has given me the opportunity to take on three very different subjects that I love so I can sample each one and eventually specialise in one or two areas. There is no sense of being locked into a degree programme at Glasgow; you're encouraged to develop a wide range of knowledge in your first and second years.'

Adam Williamson, studied Spanish, Music and Politics in first year

Studying for a degree in Arts

A Master of Arts degree at Glasgow offers you the flexibility to study a range of subjects early on, so you can keep your options open before deciding what subject you'd like to specialise in for your final degree.

The first and second years give you the chance to study some subjects that you may not have taken before. As well as studying arts subjects, you may also be able to study certain science and social science subjects.

In first year you normally choose courses in three subjects at Level-1 according to your interests and long-term plans. In second year you normally go on with at least two of your first-year subjects at Level-2, and continue to broaden your horizons by taking another subject or subjects at Level-1.

At the end of the second year you'll normally progress to an MA Honours or an MA in General Humanities degree.

MA (Honours)

Depending on your academic performance in the first and second years, you'll normally progress to Junior Honours in the third year.

The MA Honours degree is a four-year degree. If you're studying a modern foreign language(s) at Honours level you'll spend the third year abroad before entry to Junior Honours (making your degree five years in total).

The Junior Honours year is followed by the Senior Honours year. If you've chosen to specialise in one subject you'll work towards being awarded a Single Honours degree, and for two subjects a Joint Honours degree.

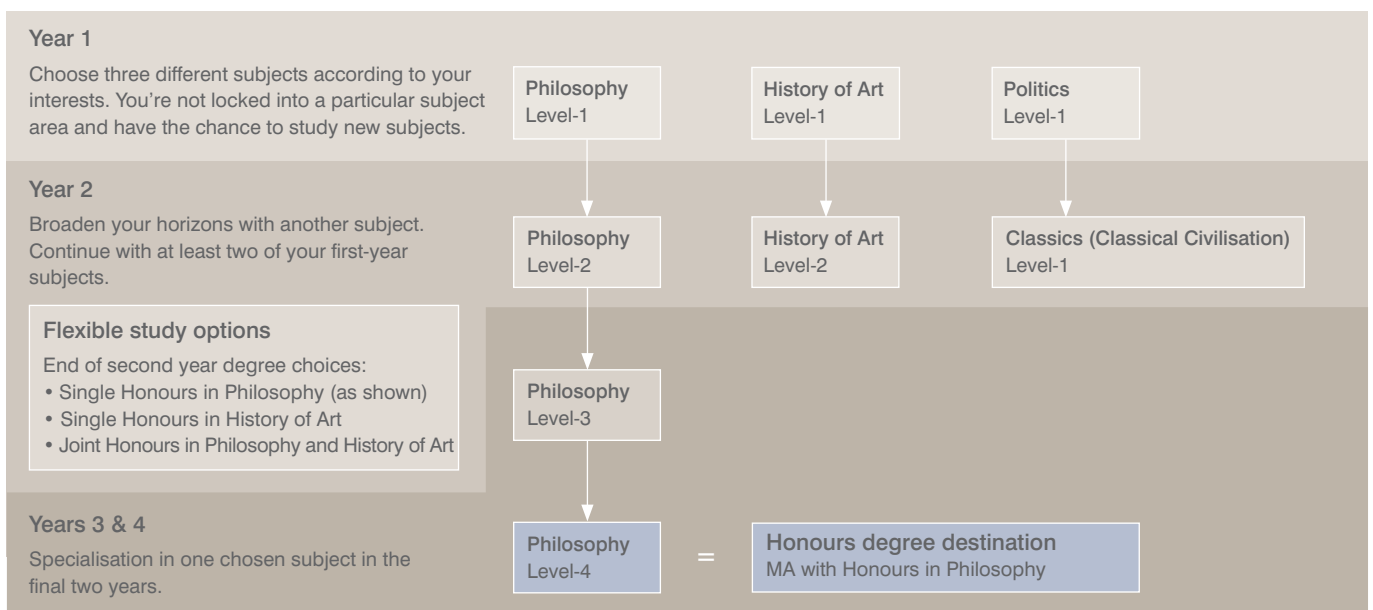
MA in General Humanities

If you don't proceed to Honours level or would prefer to finish your studies at the end of the third year you can complete an MA degree in General Humanities. This degree is three years in total and allows a broad mix of subjects to be taken, but also encourages a concentration of interest in a specific area of study.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly into Year 2, which would allow the completion of a standard Honours degree in Arts in three rather than four years. This does not apply to all degree programmes or subjects. Please contact the appropriate admissions office on page 50 for more information.

Example of Master of Arts MA (Hons) Single Honours degree path







Studying for a degree in Social Sciences

A Social Sciences degree at Glasgow offers you the flexibility to study several subjects during the first two years, so you can take your time to find out which subject you'd prefer to study for your final degree.

The first and second years give you the chance to study some subjects that you may not have taken before. In the first year you choose Level-1 courses in three different subjects (of which no prior knowledge is assumed). In second year you continue to study two of these subjects to greater depth in Level-2 courses, together with Level-1 study of another subject.

At the end of second year normally you'll either progress towards an MA (SocSci) with Honours or an MA in Social Sciences degree.

MA (SocSci) with Honours

This is a four-year degree in total. Providing you have done sufficiently well at Level-2 study, you can proceed to Honours in the third year. You can develop your own interests by selecting a number of Honours options from a large range offered in your particular subject. Arts and science subjects may also be taken along with social science subjects.

You have the choice of completing a Single Honours degree (one subject), a Joint Honours degree (two subjects), or a Principal Honours degree (two social sciences subjects with a subsidiary language). The subsidiary language takes up a quarter of the two Honours years, and usually involves spending a year abroad in the country concerned before entering Honours level.

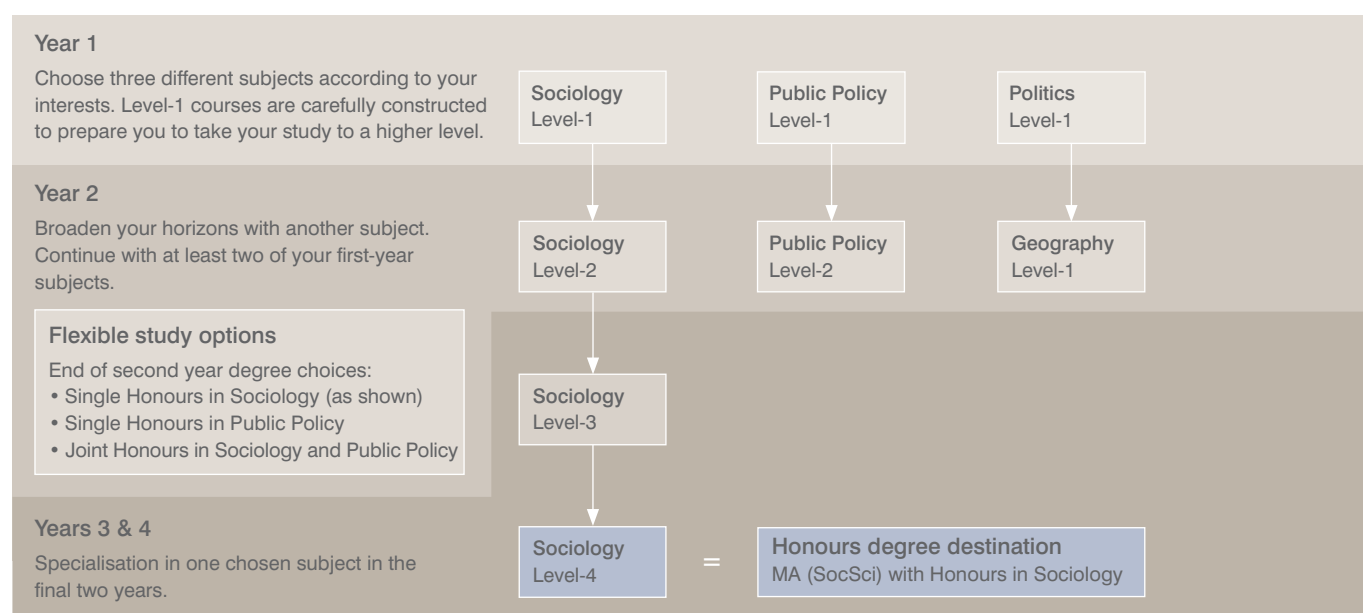
MA in Social Sciences

If you don't proceed to Honours level or would prefer to finish your studies at the end of the third year you can complete an MA in Social Sciences degree. This three-year degree offers the chance to develop an interest in a specific subject within a broad curriculum. You'll study Level-3 courses that develop your knowledge and enhance the skills that employers find relevant.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly into Year 2, which would allow the completion of a standard Honours degree in Social Sciences in three rather than four years. This does not apply to all degree programmes or subjects. See individual programme entries for more information.

Example of Master of Arts in Social Sciences MA SocSci (Hons) Single Honours degree path



Studying for a degree in Science

A Science degree at Glasgow offers you the flexibility to study a range of subjects in the early years before deciding what subject you'd like to specialise in for your final degree.

The first and second years give you the chance to study some subjects that you may not have taken before. In the first year you choose three Level-1 subjects according to your interests and long-term plans. Choosing three science subjects provides the greatest flexibility, but you may be able to take a course in arts or social sciences. In second year you usually go on with at least two of your first-year subjects at Level-2.

At the end of the second year you'll normally progress to a Bachelor of Science with Honours (BSc (Hons)), a Master in Science (MSci) or a Bachelor of Science designated degree (BSc).

Bachelor of Science with Honours – BSc (Hons)

This four-year Honours degree aims to develop critical judgement and independent scientific work, and bring you within sight of the leading edge of your chosen field of science. It offers advanced study of a particular subject (or combination of subjects).

Master in Science – MSci

This MSci degree is normally an Advanced Honours five-year degree. It aims to develop critical judgement and independent scientific work, and prepare you for professional leadership in your chosen field of science, with emphasis on training for research in an academic or industrial context. Admission is dependent on performance in the early years and your final degree result is based on your performance from third year onwards.

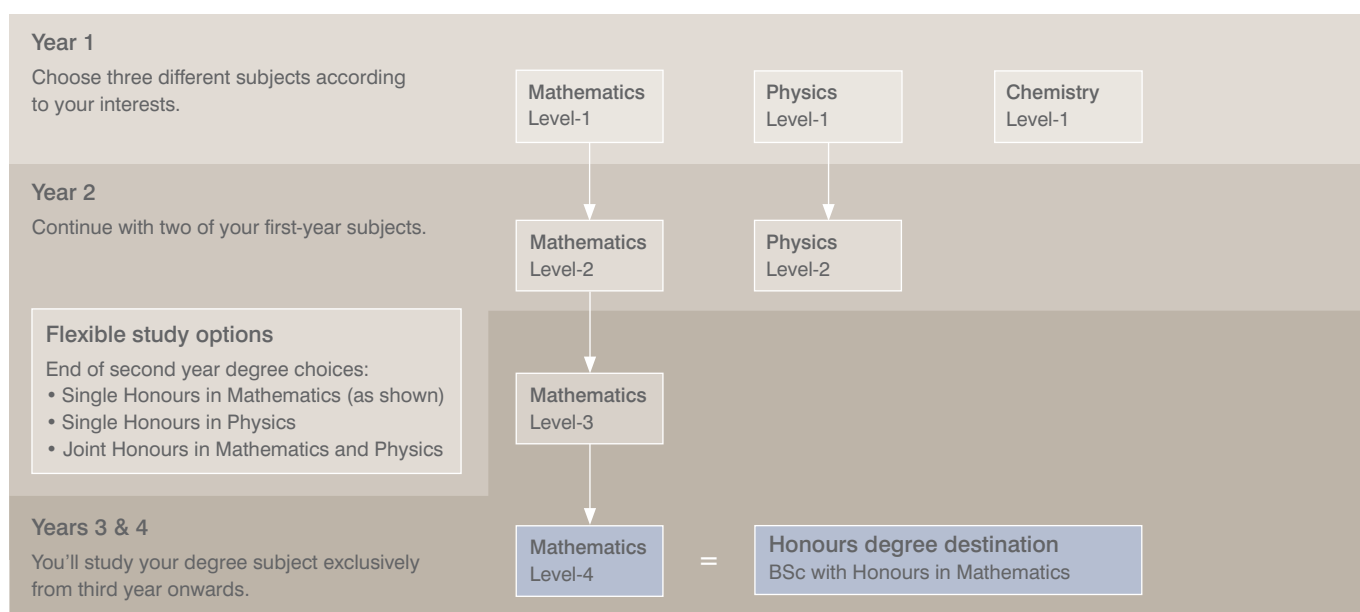
Bachelor of Science designated degree – BSc

This three-year degree is characterised by depth in a particular subject (or combination of subjects). You'll study your degree subject throughout the three years, taking additional subjects in first, second and sometimes third year. Please see page 77 for more details.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly into Year 2 or follow a faster route advanced entry programme, both of which allow you to complete your degree in one year less than usual. This does not apply to all degree programmes or subjects. See individual programme entries for more information.

Example of Bachelor of Science BSc (Hons) Single Honours degree path





Scholarships and fees

The University is committed to supporting students and rewarding academic excellence. That's why we offer a wide range of financial support to our undergraduates, including both home/EU and international students.

Some of the key scholarships and bursaries available at Glasgow are listed below.

For a full list, along with more information on eligibility criteria and how to apply, see www.glasgow.ac.uk/scholarships.

Welcome Bursary

www.glasgow.ac.uk/scholarships/homeandescholarships

This is a non-means tested award of £1,000 for the first year of study. Students from England, Wales and Northern Ireland who are studying for a standard four or five-year degree and do not qualify for an Access Scholarship (see top of next column) will receive this award. Students can choose to take the Welcome Bursary as either a tuition fee discount or a cash bursary.

Access Tuition Fee Discount

www.glasgow.ac.uk/scholarships/homeandescholarships

Tuition fee discounts of up to £2,000 per year for each year of study will be awarded to students from low-income households who are in receipt of a government-funded maintenance grant. To be awarded the Access Tuition Fee Discount and/or an Access Scholarship (see top of next column), you must make a successful application for a government-funded maintenance grant award.

See our website for more information. We recommend that you apply for support from the relevant regional authority as soon as possible.

Access Scholarship

www.glasgow.ac.uk/scholarships/homeandescholarships

This is a cash bursary of £1,000 for each year of study for first degree entrants with a household income of less than £42,600 per year and who have demonstrated excellent academic achievement of at least AAB at A-level (or equivalent) before starting university.

Talent Scholarship

www.glasgow.ac.uk/scholarships/homeandescholarships

The University awards at least 50 Talent Scholarships for new first-year UK undergraduate students who have demonstrated excellent academic achievement before starting university and are facing hardship. Generally, the scholarship is £1,000 for each year of the degree programme, subject to satisfactory progress.

Undergraduate Excellence Scholarship

www.glasgow.ac.uk/scholarships/internationalscholarships

A number of undergraduate scholarships of £5,000 per year are awarded as a tuition fee discount for international students.

Talented Athlete Support

www.glasgow.ac.uk/sport/talentedathlete

We offer several schemes to support talented athletes including the Sports Bursary Scheme, Colin Montgomerie Scholarship and Golf Scholarship Programme.



Supporting your studies

Kirstie MacLeod (pictured top left) has just completed an MA Hons in Gaelic. Having received a letter before starting at the University about the Talent Scholarship and realising she met the criteria, she decided to apply.

'I knew that there would be a significant financial strain related to becoming a full-time student rather than going straight into work and I thought I should apply for anything that could ease that strain. The application process was really easy and the form was short and clear making it all very simple.

'The impact of any scholarship should not be underestimated. £1,000 per year is a massive amount when you are trying to live day to day off a very limited income.

'The main thing about the scholarships is that they reward students who have already shown their ability and dedication to studying, allowing things for them to be just that bit easier at university. Being able to access resources and materials for studying is immensely important, as well as being able to access the university experience as a whole. The scholarship allows capable students to concentrate on their studies rather than having to spend time worrying about their financial situation.'



Broadening your horizons

Blair Jones (pictured top right) has enjoyed four years at Glasgow studying Law. Receiving a Talent Scholarship not only made it easier for Blair to buy materials for his day-to-day studies but has also given him the opportunity to study abroad as part of his degree.

'I knew if I didn't have a part-time job I was going to be struggling. I didn't want to do that, knowing that my studies were going to be quite hard, especially studying a Law degree, so I wanted to try and get some extra funding.

'When I first got the scholarship I was very pleased. It was good to get some recognition for all the hard work I'd done and it obviously put me in good stead to have some extra money coming in annually for the duration of my degree. Getting the scholarship every year made a big difference. Having the extra money meant that I was able to plan to buy books and other things, and stopped me getting into my overdraft a couple of times which was helpful.

'Also, last year I spent six months studying abroad in New Zealand and I put money from my scholarship aside every year towards that. Obviously flights to New Zealand, travelling expenses and things like that are pretty expensive, so I don't think I would have been able to do that without the scholarship.'



'To receive a Talent Scholarship was absolutely wonderful. It just made me feel much happier about coming to university and having less financial worries.'

Stefanie McDade, English Literature graduate (pictured bottom right)

Scholarships and fees continued

We know that finances can be a concern for many undergraduate students. To find out what help is available, and to get tips and tools to help your money go further, visit www.glasgow.ac.uk/studentfinance.

Bursaries for second undergraduate degrees

A number of small bursaries are available for eligible students who are either intending to embark on or are already studying a second undergraduate degree programme. While the value of awards may vary, a bursary will only cover a part of your total costs. For further information, tel: +44 (0)141 330 6063 or email: laura.mclaughlin@glasgow.ac.uk.

Care Leaver Bursaries

The University has a limited number of Care Leaver Bursaries for young people who have spent time in public care. For more information see www.glasgow.ac.uk/about/wideningparticipation/careleavers.

Other financial help

Carnegie Trust for the Universities of Scotland
www.carnegie-trust.org

If you are of Scottish birth or extraction or have had at least two years' education at a secondary school in Scotland and your fees are not paid from other sources you may be eligible for assistance from the Carnegie Trust. Claims for maintenance will not be considered.

Further information and an application form are available at www.carnegie-trust.org. Applications must be returned between 1 April and 1 October of the year in which your programme starts.

HEI Hardship Funds

The government has made limited funds available to universities and other higher education institutions to help students facing financial hardship. It has designated British full-time and part-time degree students paying home fees, who are able to demonstrate actual or expected financial difficulties, as being eligible to apply for an award from the funds. Within this broad group of students the University has particularly targeted accommodation costs, students with childcare costs and associated excess travel costs, mature students, and students with additional costs arising from a disability or special needs. For more information see www.glasgow.ac.uk/studentfinance.

Childcare Fund

Funds are available to assist UK undergraduate students with registered childcare costs. For more information see www.glasgow.ac.uk/studentfinance.

Tuition fees

Once the tuition fees are set they'll appear on our website at www.glasgow.ac.uk/scholarships/fees. How and when you pay tuition fees depends on where you're from. If you're from outside the EU, please see page 62 for more information.

Living costs

For more information about the cost of living and other useful financial advice for students see www.glasgow.ac.uk/studentfinance.



Applying to Glasgow

Join one of the world's leading centres of learning, where excellent teaching and innovative research create great opportunities for our students.

How do I apply?

If you're seeking full-time entry, you must apply through the Universities & Colleges Admissions Service (UCAS). There is an application fee for this service.

- Apply at www.ucas.com or through your school or college.
- Contact UCAS on 0871 468 0468.

Each subject or subject-combination we offer has an individual UCAS code. Glasgow offers one of the most comprehensive ranges of Joint Honours undergraduate degree programmes in the UK. For a complete list of all the combinations plus UCAS codes see page 180.

High-demand subjects

High application levels can result in subjects having restricted entry. If there is a particular subject you want to study, make sure you apply on the subject's UCAS code.

For more details about our degree programme structures see page 36.

UCAS closing dates for entry in 2013

- 15 October 2012: if including Dentistry, Medicine, Veterinary Medicine or applying to Oxford or Cambridge
- 15 January 2013: all other UK/EU applicants
- 30 June 2013: international (non-EU) students

You're strongly advised to meet these deadlines. If you apply late, the University may not accept your application; this will depend on demand for places and your qualifications.

What happens next?

Once your application has been received and a decision has been made, you'll hear from UCAS and the University. One of three things will happen.

1 You may receive an unconditional offer.

This happens if you already have academic qualifications that meet requirements and the University believes you have the potential to benefit from study.

2 You may receive a conditional offer. This

happens if you have not already gained the necessary passes for entry to your chosen subject. The University will look at the qualifications you're taking when you apply and may make an offer based on these, in line with our published entry qualifications.

3 You may be advised that we cannot make you an offer. If this is the case, we're happy to advise you on what to do to make a subsequent, successful application.

You should expect to receive a decision before the end of March. If you receive an offer, you'll be invited to visit the University, either to one of our Applicants' Visit Days or another event. Details will be sent to you with your offer letter.

Will I be interviewed?

As part of our selection process we currently interview students for

- Dentistry
- Education
- Medicine
- Music (BMus and BEd degrees only)
- Nursing
- Veterinary Medicine & Surgery.

Offers into these areas are usually made only after interview. The interview will allow you to explain what you know about the study area, and provide us with a chance to find out more about you and your suitability for your chosen programme.

Other subjects don't require an interview as part of your application.

If you're applying for entry into Year 2 or 3 in any subject where this is permitted, you may be called for interview.



Can I change my application?

You may be able to change to another subject if you change your mind about your initial choice. Contact the appropriate admissions office (see page 50) for assistance.

Once you start your studies, if you find you have made the wrong choice, you may be able to transfer to another course. There is no guarantee of this but your Adviser of Studies will assist and guide you in this matter.

Is deferred entry available?

Deferred entry is **not** granted automatically. Dentistry, Veterinary Medicine and Primary Education, for example, are unable to consider applications for deferred entry, and would expect you to apply in the year you wish to begin your studies.

How do international students apply?

We welcome applications from international students. All applications should be made through UCAS. However, if you'd like further information on how to apply or general advice, visit www.glasgow.ac.uk/international.

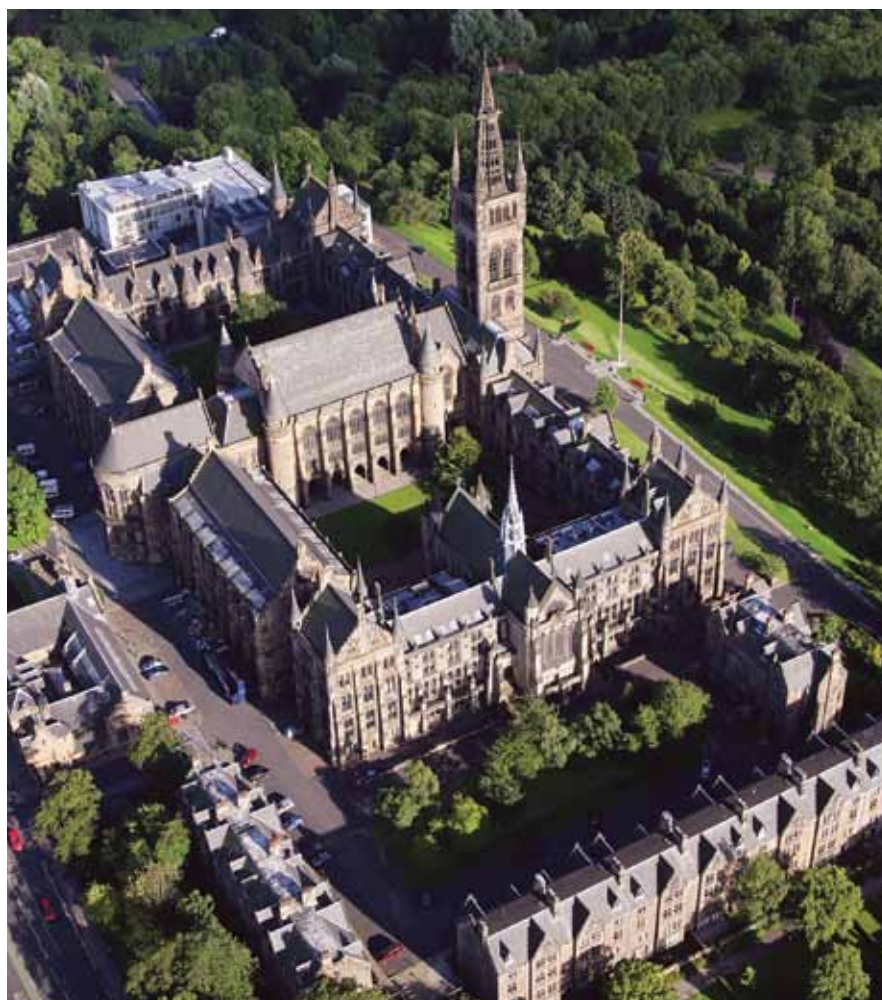
Tel: +44 (0)141 330 8153

Email: student.recruitment@glasgow.ac.uk

The University has approved agents in countries around the world who can assist you with your application and provide additional information on the University. To find an agent in your country visit www.glasgow.ac.uk/international/country.

Can I study part-time?

If you're seeking entry to part-time study, please contact the Undergraduate Admissions team, email: student.recruitment@glasgow.ac.uk or tel: +44(0)141 330 3177. For enquiries about studying part-time at our Dumfries campus, email: admissions@crichton.glasgow.ac.uk or tel: +44 (0)1387 702131/702001.



‘On arriving for my interview I found that the locals were friendly and helpful towards visitors. The city has multiple characters, the centre which has the modern, and the West End which has the retro and unique.’

Natasha Cairns, Veterinary Medicine & Surgery student



Where can I find out more?

You can get further information about admissions to the University from the following admissions offices.

BAcc (Accounting)

Tel: +44 (0)141 330 2839
Email: gillian.douglas@glasgow.ac.uk

BDS (Dentistry)

Tel: +44 (0)141 211 9703
Email: med-sch-dental-ug@glasgow.ac.uk

BEd/MA (Teaching)

Tel: +44 (0)141 330 2463/3467
Email: education-admissions@glasgow.ac.uk

BEng/MEng (Engineering)

Tel: +44 (0)141 330 8153
Email: kelly.robertson@glasgow.ac.uk

BN (Nursing)

Tel: +44 (0)141 330 3917
Email: carol.ryder@glasgow.ac.uk

BSc/MSci (Science)

Tel: +44 (0)141 330 5164
Email: clare.grant@glasgow.ac.uk

BTechEd

Tel: +44 (0)141 330 2463/3467
Email: education-admissions@glasgow.ac.uk

BVMS (Veterinary Medicine & Surgery)

Tel: +44 (0)141 330 5705
Email: vet-sch-admissions@glasgow.ac.uk

LLB (Law)

Tel: +44 (0)141 330 4507
Email: lorna.brown@glasgow.ac.uk

MA (Arts)

Tel: +44 (0)141 330 5562
Email: elaine.shortt@glasgow.ac.uk

MA (SocSci) (Social Sciences)

Tel: +44 (0)141 330 5562
Email: elaine.shortt@glasgow.ac.uk

MBChB (Medicine)

Tel: +44 (0)141 330 6216
Email: med-sch-admissions@glasgow.ac.uk

International (non-EU) applicants

Tel: +44 (0)141 330 8153
Email: student.recruitment@glasgow.ac.uk



Entry requirements

Entry requirements for each degree programme are listed in the A–Z directory, starting on page 64.

What subjects are approved for entry?

The University currently accepts all Highers/Advanced Highers and A-levels in fulfilment of the general entry requirements. Check that you meet any specific entry requirements; not all subjects may be acceptable for all programmes. If you have any questions please contact the appropriate admissions office (see opposite page) before applying.

The A–Z directory lists the normal minimum entry requirements for degree programmes. You should check this information carefully before submitting your UCAS application and if you have any queries please contact the admissions offices (see opposite page). Also, please note that entry requirements are subject to alteration after the publication of this Prospectus, and their publication does not imply that the University must offer you a place at the level indicated. Nor does it imply that if you have already met the minimum standards (or could achieve them) you will be made an offer.

Offers are based not only on your academic record but on your evidence of potential as outlined in your personal statement and in the reference and in your suitability for the programme as indicated in your UCAS application.

If you're offering non-UK qualifications, contact the appropriate admissions office (see opposite page).

SQA Highers

The University normally expresses its entry requirements for Scottish applicants in terms of individual Highers achieved at particular grades. Where appropriate, specific subjects achieved at a specified level may be required.

Advanced Highers

Advanced Highers will be taken into consideration for admission purposes.

The University recognises the value of the Advanced Higher and the benefit which the depth of study brings to you in an individual subject. For most of our degree programmes, provided you have achieved the minimum entry requirements at Higher level at the end of S5, you can use Advanced Highers to increase your overall grades. The University regards a Grade B at Advanced Higher to be equivalent to Higher at A. Programmes in the Colleges of Social Sciences and Science & Engineering will allow Advanced Highers to be used to improve your overall grades even where you have already achieved Grade A at Higher level in that subject.

If you have exceptional grades, it may be possible to gain exemption from Year 1 study or follow a faster route advanced entry programme. See page 37 for more information.

Scottish Baccalaureate

The University welcomes and recognises the value of the Scottish Baccalaureate and the new Interdisciplinary Project. Not all degree programmes will frame offers on the basis of the Scottish Baccalaureate but rather on individual component Highers and Advanced Highers within it. Additional Highers may also be required at B or above. You should consult the appropriate admissions office (see opposite page).

Welsh Baccalaureate

The University welcomes and recognises the value of the Welsh Baccalaureate and the Core. The Advanced Diploma with a pass in the Core and two A-levels is accepted for many programmes. You should consult the appropriate admissions office (see opposite page).

Entry requirements continued

A-levels

All A-level subjects are accepted, including General Studies. You should check with individual admissions offices on page 50 for specific exclusions.

If you have exceptional grades, it may be possible to gain exemption from Year 1 study or follow a faster route advanced entry programme. See page 37 for more information.

14–19 Curriculum Developments

Advanced Diplomas

We will be happy to consider applications from those studying towards many of the new Diplomas. Our entry requirements for each specific strand of the diploma can be found on the UCAS website at www.ucas.com.

Extended Project

The University very much values the Extended Project and its role in preparing students for a successful higher education experience. We are supportive of the requirement for Diploma students to undertake an Extended Project as part of their Diploma programme, and in highly selective areas preference may be given to students with A-levels who also offer the Extended Project for entry.

Cambridge Pre-U Diploma

We welcome applicants offering the Cambridge Pre-U Diploma. Combinations of individual Pre-U subjects and A-level subjects are acceptable if three subjects are offered overall. Typical offers are likely to require two subjects at minimum M2 and one at D3. Check with the appropriate admissions office as listed on page 50 to ensure acceptability.

Higher National Qualifications

These are accepted across a wide range of subjects. You'll be asked to obtain a certain Grade or level in your graded unit(s) (or integrative assessments or merits if an older HNQ). If you're unsure of the status of your Higher National Qualification and its suitability for entry into one of our degree programmes

see www.glasgow.ac.uk/undergraduate/entryrequirements or contact the appropriate admissions office as listed on page 50.

Are alternative qualifications accepted?

A number of students admitted to Glasgow do not come straight from school with Highers or A-levels. We welcome applications from students with a wide range of qualifications including

- access course qualifications
- vocational qualifications
- study at other universities
- Open University credits.

For a full list of alternative qualifications, please see www.glasgow.ac.uk/undergraduate/entryrequirements. If you can't find information on your qualification, contact the appropriate admissions office as listed on page 50.

Are access courses available?

The University runs access courses for mature students. Successful completion can lead to admission to some degree programmes.

Classes run for 26 weeks from September to May. No formal qualifications are required and the University has found that students entering by this route perform well. For more information visit www.glasgow.ac.uk/adulteducation/access.
Tel: +44 (0)141 330 1830
Email: monica.cairns@glasgow.ac.uk

The University is an active member of the Scottish Wider Access Programme (SWAP) and has recognised SWAP courses run throughout Scotland as meeting entry requirements. Most other UK access programmes are acceptable and you should ask the appropriate admissions office as listed on page 50 before you enrol on a course whether or not it is likely to lead to an offer of admission.

Applicants on other access courses should contact the relevant admissions office as listed on page 50 before making an application through UCAS.



Focus West

The University is also involved in Focus West, which was set up to encourage university and college entry from certain schools that do not commonly send many people into higher or further education. Achievement in the Top-Up programme may lead to being made an amended offer. If you attend one of the nominated schools, a University representative will visit you to explain how the scheme can work for you.

Summer school

We offer a summer school that could give you the chance to upgrade your qualifications and gain admission to Glasgow. It may also boost your confidence and assist in ensuring you're well prepared for your first year. Contact Denise Hooper in the Recruitment & International Office, tel: +44 (0)141 330 5584, email: denise.hooper@glasgow.ac.uk.

The Scottish Credit & Qualifications Framework

The Scottish Credit & Qualifications Framework brings all qualifications in Scotland into a unified framework of credits and levels. For further information, visit www.scqf.org.uk. If you're seeking to use a credit gained elsewhere towards a degree at Glasgow, it is the responsibility of the University to determine how much credit, if any, is relevant to the programme being applied for.

'I was very proud to be accepted at Glasgow and be able to look up at the main building's gothic tower knowing I was now a part of the University's history.'

Andrew Greer, Audio & Video Engineering graduate

UCAS tariff points

The University does not frame its offers in terms of UCAS tariff points, nor does it make use of the tariff at confirmation.

Age and stage

The University recognises that schools may present pupils for SQA Highers or GCE A-levels one year earlier than normal. Providing no more than one Higher/A-level is taken, this would not normally be considered as a first sitting. However, if two Highers/A-levels are attempted early, the University may consider any assessed Highers/A-levels from fifth year or year 13 as a second sitting. This general rule may not apply if you're making application to the Medicine (MBChB) degree programme, where you'll be expected to gain your entry requirements in one sitting. Please contact the appropriate admissions office for advice as listed on page 50. The University does not normally consider applications based on three consecutive sittings of the appropriate qualification.

Additional contextual data

The University has robust and equitable admissions procedures, based on all relevant academic and personal circumstances, as outlined in the application form and/or in subsequent correspondence. We carefully consider academic qualifications, the personal statement, the reference, the results of any additional tests such as UKCAT or LNAT if appropriate, and the outcome of any interview as required. We aim to ensure that potential and suitability for study are thus identified. Any further contextual information, for example that on care leavers and parental education, that is or may become available from UCAS forms, may be used to supplement the overall picture of a candidate, but no single piece of such information will, on its own, be conclusive in an admission decision. The additional information will be useful in terms of ensuring that adequate support is provided to students once they are on course and will assist us in ensuring that our activities in terms of outreach and widening participation are effective.





International Glasgow

International opportunities for all students

If you're looking for a truly international place to study, Glasgow offers the chance to experience the world both on campus and overseas.

With a student community representing more than 120 countries and academics from every continent you'll be sure to meet people from a diverse range of backgrounds and cultures during your studies. And if you're looking to broaden your horizons by spending some time in another country, we have strong partnerships with more than 200 institutions worldwide.

There are many ways you can make your experience at Glasgow a truly international one. Here are just some of the opportunities on offer.

Universitas 21

We are a founding member of Universitas 21 (U21), a prestigious global network of 23 leading research-led universities in 15 countries. With funding available, our U21 membership opens up a world of study-enhancing travel opportunities:

- **U21 Exchange Network** offers students the chance to take part in student exchanges at world-leading universities.
- **U21 Undergraduate Research Conferences** take place worldwide, attracting students from a diverse range of disciplines to share their research interests to develop cross-cultural and interdisciplinary links.
- **U21 Undergraduate Summer Schools** are held in different countries every year and allow some of the best students in the U21 network to take part in an exchange of experiences, cultures and intellectual ideas around a theme.

Business and industry links

The University has strong links with business and industry both at national and international level. Our Internship Fair is a great place to find out more about opportunities. See page 30 for more information.

Volunteering

The Students' Representative Council and student-run clubs such as Student Volunteers Abroad offer volunteering opportunities both in the UK and overseas. See www.glasgowstudent.net/volunteer and www.glasgow.ac.uk/clubs/sva to find out how you can make a difference to communities around the globe while also improving your employability skills.

Electives

Some of our degree programmes offer students the chance to explore the wider global context of their studies during an elective abroad. See individual programme entries for details.

Fieldtrips

Many programmes offer the chance to gain valuable experience working overseas through fieldtrips. Please see individual programme entries for details.

Study abroad

For information about studying abroad as part of your degree see page 59.

global



Craig Anderson, Statistics graduate, in Shanghai during a U21 conference.



Medical student Aysha Latif on an elective in Marropino, Mozambique.

Gaining experience through U21

In July 2011, two students represented Glasgow at the prestigious U21 Undergraduate Research Conference at Fudan University, Shanghai.

Matt Von Ferscht-Fountain, MA (Hons) History of Art & Art-World Practice:

'The conference was a fantastic opportunity to meet students from across the world from different backgrounds, working in different fields of research. Presenting my own research was a real challenge as I had to make my work accessible, understandable and interesting to an unfamiliar audience. It was an incredibly rewarding experience and made me think objectively about how we communicate to others. It was also very touching being the only arts student present to be voted the winner of the most imaginative research award.'

Craig Anderson, BSc Statistics:

'I completed my degree a few weeks prior to attending the conference, achieving a First Class. There were some fantastic presentations and posters on show and I really enjoyed having the opportunity to see the wide variety of research being carried out by students. I also enjoyed being able to show my own research to students from other disciplines and to discuss it in depth with those who were interested. I would recommend U21 or similar international experiences to any student who is keen to widen their horizons.'



U21 students in Shanghai including Matt Von Ferscht-Fountain, History of Art & Art-World Practice graduate (centre, front).



2



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Photos kindly provided by the following University of Glasgow students:

1. Andrew Davidson, who spent part of his degree at McGill University, Canada.
2. Laura Smith, who spent part of her degree at the University of Virginia, USA.
3. Andrzej Plichta, who spent part of his degree at the University of Hong Kong.
4. John Vassiliou, who spent part of his degree at the University of Queensland, Australia.
5. Victoria Gemmill, who spent part of her degree at the University of Hong Kong.
6. Cleo Barrable, who spent part of her degree at the University of California, Berkeley, USA.
7. Sian Easton, who spent part of her degree at Dalhousie University, Halifax, Canada.

Study abroad as part of your degree

Our long-established study abroad programme offers many exciting opportunities for students looking for an inspiring, confidence-boosting and even life-changing experience. From Europe and the USA to Asia and Australia, the world is yours to explore.

Benefits of studying abroad

- Gain an entirely new perspective on your academic subject, while enhancing your CV and increasing your employability.
- Discover new things about yourself and increase your independence and confidence.
- Work and make friends with people from different backgrounds and cultures.
- Courses taken overseas form an integral part of your degree without adding an extra year or semester.
- While studying abroad you'll still be a registered student at the University of Glasgow and won't pay any tuition fees to the overseas university.

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

Study in Europe

The Erasmus Exchange Programme enables students in 31 European countries to study for part of their degree in another country in Europe.

- **A wide range of destinations** – choose from more than 250 universities all over Europe.
- **Tailor the length of study to suit you** – exchanges can last from 3 to 10 months and study credit is transferred to your home university.
- **Funding** – students automatically receive an Erasmus grant.

Some degree programmes offer the chance to take up a work placement at an institution or company anywhere in Europe and an Erasmus grant is usually awarded.

The University runs the Erasmus Exchange Programme with the support of the Commission of the European Communities within the framework of the Lifelong Learning Programme.

Access to Erasmus Scholarship

The University awards a number of scholarships to students considering study abroad on the Erasmus programme. To find out more, see www.glasgow.ac.uk/scholarships/travelscholarships.

Study beyond Europe

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Argentina, Australia, Canada, Chile, China, Hong Kong, Japan, Korea, Mexico, New Zealand, Singapore and the USA.

All of our partner institutions teach in English, except for the University of Quebec in Canada and universities in Central and South America.

You can choose from around 50 destinations across the globe. Our students have studied in world-leading universities including University of Melbourne; University of Otago; University of Hong Kong; National University of Singapore; McGill University; University of Toronto; University of California; and the University of Virginia.

Find out more

For information about studying abroad, application forms, first-hand accounts of previous exchange students' experiences and the University's Study Abroad Fair see www.glasgow.ac.uk/international/abroadexchange.

International students

Each year we welcome students from more than 120 countries around the world. So no matter how far you travel to be here, you'll find a diverse cultural and social community waiting for you when you arrive.

Glasgow's reputation for being a welcoming and friendly place is as well known as the University's reputation for being a centre of academic excellence. This means that you can feel confident that living and studying here will be a memorable and satisfying experience. In fact, the University is ranked as first in the UK for international student satisfaction, according to the International Student Barometer 2011.

Glasgow offers a range of services and specialist staff dedicated to your needs. Whatever stage you're at in your studies, you'll always find someone on hand to provide you with help and advice.

Members of our International Office team travel throughout the world to attend exhibitions, set up information sessions for prospective students and interview candidates. They'll be more than happy to talk to you and answer any queries you might have. If you'd like to find out where they'll be visiting and when, please see www.glasgow.ac.uk/international.

Alternatively, you can contact the International Office:

Tel: +44 (0)141 330 6062

Email: student.recruitment@glasgow.ac.uk

International societies

We have many student clubs and societies, but the largest by far is the International Student Society (www.internationalsociety.co.uk), which runs a busy programme of events throughout the year and often arranges weekend trips to different parts of Scotland. There are several individual country societies too, offering you the chance to share your own culture and learn about others.

International student support

www.glasgow.ac.uk/international/support

The International Student Support team provides a dedicated advisory service for international students on non-academic matters such as immigration, employment, finance and any other concerns you may have.

Before you leave home

To help you prepare for your arrival at Glasgow, we have an International Student Handbook full of useful facts and information. See www.glasgow.ac.uk/international/support/internationalstudenthandbook to download a copy.

When you arrive

Our International Student Advisers run an orientation programme to introduce you to student life. It includes information on welfare, immigration, accommodation, health, employment, finance and other non-academic matters. The programme includes a range of social events too, giving you the chance to meet new people and get to know Glasgow and Scotland.

Confidential, practical advice

Our friendly team of International Student Advisers offers pre-arrival information on non-academic matters, along with confidential and practical advice throughout your studies. Email: internationalstudentsupport@admin.glasgow.ac.uk.

A year-round social programme

We run a full programme of events and activities throughout the year for students and their families, so you'll have plenty of opportunities to make new friends and share your own experiences and ideas.



Make contact with a student

For a real insider's view, you may find it helpful to make contact with a current or recent student from the University. For more information, email: studentnetwork@glasgow.ac.uk.

Exchange opportunities for international students

www.glasgow.ac.uk/international/abroadexchange

Outgoing exchanges

As a student at the University of Glasgow, you can spend part of your degree studying in one of our partner universities. See page 59 for more information.

Incoming exchanges

The University of Glasgow has exchange agreements with a wide range of partner institutions around the world so, if you choose to study elsewhere, you may be able to come to Glasgow on a study abroad exchange.

There is also a special English Language plus Study Abroad Programme for non-English-speaking students operated in collaboration with the English as a Foreign Language Unit.

Living costs for international students

While you're studying at Glasgow, you'll need extra funds to pay for accommodation, books and other living expenses. We recommend that a single student should allow approximately £8,800 per year to study at Glasgow. This is based on a nine-month academic year and the following average breakdown of costs per month for a single student in self-catering accommodation and additional costs per year.

| Average cost per month | |
|-----------------------------------|-------------|
| Accommodation and utilities | £450 |
| Food | £180 |
| Clothes | £60 |
| Bus, underground and taxis | £40 |
| Laundry/stationery/toiletries etc | £30 |
| Telephone/internet | £40 |
| Entertainment | £100 |
| Total | £900 |
| Additional costs per year | |
| Books | £400 |
| UK travel | £300 |
| Total | £700 |



‘Enjoy every minute of it! You’re going to meet lots of people from all over the world on your course, in halls of residence and in sports clubs and societies – you won’t have time to feel homesick!’

Veer Shah, Medicine student (originally from Kenya)

International students continued

We also offer a range of services and assistance for our international students so that you can enjoy your time at the University once you arrive.

English as a foreign language

If your first language is not English, you'll need to show competence in English before being admitted to the University. The University sets a minimum English Language proficiency level and accepts international qualifications from around the world:

- IELTS 6.5 (with no subtest less than 6)
- TOEFL 580 in the paper-based test with a TWE (Test of Written English) of at least 4.5
- iBT TOEFL 92 (with no less than 20 in all subtests)
- Cambridge ESOL Certificate in Advanced English (CAE) – B minimum or Certificate of Proficiency in English (CPE) – C minimum.

(Please note levels may vary depending on the programme you are applying for.)

We provide courses to help you reach a proficiency level equivalent to the required IELTS score through our English as a Foreign Language (EFL) Unit based at the University's Language Centre. The EFL exit test is accepted across the University, so you don't have to take IELTS again.

These courses have a study skills component to help you adapt to the style of learning and teaching at the University. They also focus on subject-specific vocabulary. This approach will prepare you well for your academic studies.

Pre-sessional EFL courses can last 5–40 weeks depending on your entry level.

If you'd like additional English Language tuition once you have started your academic course, we also provide part-time language support

classes, which are free of charge if you pay the full international student fee.

For more information, please see the University's EFL Unit website – www.glasgow.ac.uk/efl.

Accommodation

We offer an excellent selection of student accommodation and guarantee a place for most full-time new entrant international students studying for a degree (subject to our admissions policy). See page 20 for further information or see www.glasgow.ac.uk/accommodation.

Tuition fees and finance

It's important that you arrange funding for your tuition fees and living costs prior to arriving in the UK. Contact the British Council office or government agencies in your home country as a first stop for funding advice. In some instances loans given by your own country's department of education or by banks can be used to fund studies overseas.

For information about living costs for international students see page 61.

Scholarships

A range of scholarships is available for international students. For a full list please see www.glasgow.ac.uk/scholarships.

Careers

Glasgow was the first university in Scotland to appoint a Careers Adviser to develop specialist information and advice for our international students. For more information on careers see www.glasgow.ac.uk/careers or see page 29.



‘University is a wonderful mix of nationalities, cultures and personalities – there’s nothing quite like it.’

John Mckillop (originally from Northern Ireland), Zoology student



Glasgow International College

If you’re an international student, but not quite ready to study at the University of Glasgow, you may wish to consider a foundation programme at our partner institution – Glasgow International College (pictured top right).

Located on the main University of Glasgow campus, the college offers flexible pathway programmes to enable you to achieve the required standards for admission to the second year of a degree programme in social sciences, business, science or engineering at the University. Progression is guaranteed on successful completion of your foundation programme at the required level.

As a student at the college, you’ll benefit from an excellent standard of teaching, small class sizes, personalised tuition and all the support you need. English language studies are integrated into the academic programme to ensure that you receive the best possible start towards your future degree studies. You’ll also have access to many of the University’s first-class learning, support and social facilities from the moment you enrol at Glasgow International College. What’s more, accommodation is available nearby, enabling you to feel part of Glasgow’s friendly student community and to experience the attractions of this vibrant and cosmopolitan city.

Glasgow International College prides itself on its high progression rates, so you can be confident of moving on from your foundation programme to your degree at the University.

For more information contact:
 University Pathways Office
 Kaplan International Colleges
 Tel: +44 (0)20 7045 4925
 Email: gic@glasgow.ac.uk
www.glasgow.ac.uk/gic

Glasgow in Singapore

In partnership with the Singapore Institute of Technology, the University of Glasgow provides BEng (Hons) programmes in Singapore for graduates with good grades in an appropriate diploma from one of the polytechnics in Singapore.

The programmes offer a route to upgrade diploma qualifications to an Honours degree with a further two years of study, mainly in Singapore. Students study almost the same programme in Singapore as students on campus in Glasgow in the final two years of their BEng degree, with the exception of a few small changes made to adapt the programme for polytechnic graduates.

The University has an office on the campus of Ngee Ann Polytechnic, one of the oldest and most respected polytechnics in Singapore, where we deliver BEng (Hons) programmes in Mechanical Design Engineering and Mechatronics. By 2013 there will be around 320 students enrolling across both years on these programmes.

From September 2012, BEng (Honours) programmes in Aeronautical Engineering and Aerospace Systems will be delivered on the campus of the highly regarded Singapore Polytechnic, the oldest polytechnic in Singapore. These will accommodate in the region of 200 students across both years of these programmes.

A feature of the programmes is a four-week visit to Glasgow in the vacation between the two years where the students will undertake a design project and be introduced to Scottish culture.

Applications are processed by the Singapore Institute of Technology. For admissions requirements or to apply online please see www.singaporetech.edu.sg.





A-Z of degree programmes



Accountancy & Finance

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

- Our Accountancy & Finance students report satisfaction levels of 100% (National Student Survey 2011).
- Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).
- Professional accountants will lead tutorials, giving you the opportunity to discuss issues and learn from them.

Degree and UCAS code

BAcc (N400) – four years

Honours variants

The BAcc is offered in five Honours variants, all of which follow a common core that covers the developments in the theory and applications of financial and accountancy knowledge. You will have the option of completing one of these BAcc variants which allows a degree of specialisation and the opportunity to

study with languages and economics.

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

Applicants wishing to study Accountancy with Languages (N4T9) must have SQA Higher at grade A, Advanced Higher at

grade B, A-level at grade B, or equivalent qualification in their chosen language.

Accreditation

The programme is recognised by all the main professional accounting bodies through accreditation status. Many graduates successfully complete professional examinations.

Entry requirements

Highers: AAABB/AAAA (from fifth year) including Mathematics at B and

a humanities subject, preferably English, at B.

These grades are cumulative grades over both first and second sitting and so will include Highers and Advanced Highers in the same subject.

AAAAA/AAAABB (from sixth year) including Mathematics at B and a humanities subject, preferably English, at B

A-levels: AAA/A*AB including Mathematics, and GCSE English at B.

IB: 36 points. Must have Mathematics and English or any humanities subject at subsidiary level 5 or better.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in year three.

Ratings

Our Accountancy & Finance students report satisfaction levels of 100% (National Student Survey 2011).

Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).

Programme structure

Year 1

Initially 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 business statistics to gain an understanding of the place of accounting and finance in the business environment.

Year 2

In the second year 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 information systems, business law and management.

Years 3 and 4

In your third and fourth years you will study taxation, and advanced financial accounting and audit; in addition you will complete a dissertation, an extended piece of personal research on a topic of your own choice guided by a member of academic staff.

Special feature

A major feature of the teaching on the BAcc degree is our use of external tutors for some of the main accountancy courses. These professional accountants will lead tutorials, offering you the opportunity to discuss issues and learn from them.

Our international links

As a BAcc Honours student, you will be able to apply to study abroad, provided you achieve good grades in first and second year. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you study at a major European university, normally for a full year during your third year of study. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

If you study Accountancy with Languages you will be required to study abroad in your chosen language as part of the programme. If you need to acquire or revise your language skills, we can provide specialist language courses.

If you opt for the International Exchange Programme, we have formal exchange agreements with selected universities in the USA, Canada, Australia, New Zealand, Hong Kong, and Singapore. You can elect to spend the third year of your Honours degree studies at one of these institutions.

Career prospects

In addition to careers in one of the branches of the accounting profession, the BAcc provides many other career opportunities. The study of accountancy and finance provides a sound understanding of the workings of the business world and is therefore 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 and there are therefore job opportunities in many fields for successful graduates.

Our recent accountancy graduates have been employed by

- PricewaterhouseCoopers, auditor
- Grant Thornton, assurance associate
- Alexander Sloan, accountancy assistant
- Cigna, accountant
- Deloitte, accounting trainee
- Royal Bank of Scotland, accounts adviser
- Credit Suisse, accounts assistants
- Ernst & Young, associate
- Wylie Bissett, chartered accountant trainee
- Johnston Carmichael, trainee accountant
- Grant Thornton, trainee chartered accountant.

‘The accounting building is based at the heart of the main campus and it is truly a fantastic environment to work in. The staff are so friendly and eager to help.’

Beverley Simpson, Accountancy & Finance graduate

Accounting & Mathematics/Applied Mathematics/Pure 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.

- We have close links with professional bodies and employers, many of whom offer placement opportunities to students.
- Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).



A

Degrees and UCAS codes

BSc (Hons) – four years

Accounting & Mathematics (NG4C)

Accounting & Applied Mathematics (NG41)

Accounting & Pure Mathematics (NG4D)

Entry requirements

Highers: AAABB/AAAA (from fifth year) including Mathematics at B and a humanities subject, preferably English, at B.

These grades are cumulative grades over both first and second sitting and so will include Highers and Advanced Highers in the same subject.

AAAA/AAAABB (from sixth year) including Mathematics at B and a humanities subject, preferably English, at B.

A-levels: AAA/A*AB including Mathematics, and GCSE English at B.

IB: 36 points. Must have Mathematics and English or any humanities subject at subsidiary level 5 or better.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Years 1 and 2

In first and second years you will take courses in

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

Years 3 and 4

If you progress to Honours (years three and four) you will take a range of core and optional courses including

- Analysis 1
- Mathematical methods 1
- Financial mathematics
- 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 & Statistics, although a limited number of projects will be supervised by the Business School.

Special feature

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.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

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.

Note

You will not be a qualified accountant when you graduate from this programme.

You may also be interested in

- Accounting & Statistics
- Finance & Mathematics/Applied Mathematics/Pure Mathematics
- Finance & Statistics

‘The quality of students we look for is very high and the University of Glasgow is a great resource for finding those high-calibre students for both intern placements and full-time graduate opportunities.’

JP Morgan Scotland



Accounting & Statistics

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

- We have close links with professional bodies and employers, many of whom offer placement opportunities to students.
- Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).

Degree and UCAS code

BSc (Hons) (GN34)
– four years

Entry requirements

Highers: AAAB/AAAA (from fifth year) including Mathematics at B and a humanities subject, preferably English, at B.

These grades are cumulative grades over both first and second sitting and so will include Highers and Advanced Highers in the same subject.

AAAA/AAAAB (from sixth year) including Mathematics at B and a humanities subject, preferably English, at B.

A-levels: AAA/A*AB including Mathematics, and GCSE English at B.

IB: 36 points. Must have Mathematics and English or any humanities subject at subsidiary level 5 or better.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Years 1 and 2

In first and second years you will take courses in

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

Years 3 and 4

If you progress to Honours (years three and four) you 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 Business School.

Special feature

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.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

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.

Note

You will not be a qualified accountant when you graduate from this programme.

You may also be interested in

- Accounting & Mathematics/Applied Mathematics/Pure Mathematics
- Finance & Mathematics/Applied Mathematics/Pure Mathematics
- Finance & Statistics

Aeronautical Engineering

Aeronautical engineering is about how flight is possible, how aircraft are designed, constructed and powered, how they are used and how they are controlled for safe operation. It also extends to satellite and space systems.

- We are the only university in Scotland to offer a degree in aeronautical engineering and our BEng and MEng degrees are accredited by the Royal Aeronautical Society and the Institution of Mechanical Engineers.
- As a fifth-year MEng student you will take a flight-testing course in a Jetstream Aircraft.



A

Degrees and UCAS codes

BEng (H415) – four years

MEng (H410) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Royal Aeronautical Society and the Institution of Mechanical Engineers.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAABB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years three and five.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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

Years 1 and 2

In your first and second years you will take courses in mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics, electronics and properties of materials. These are applied to introductory studies in aeronautics including aerodynamics and propulsion. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 3

In your third year the basic subjects are expanded so that you will learn about detailed aircraft design. You can begin to analyse and understand the aircraft behaviour, predict its performance, understand its propulsion systems and begin to perform detailed designs of aircraft structural components.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work.

Your selection for BEng or MEng depends on your progress record in your first three years.

As a BEng student you will begin to deal with some of the advanced concepts that make aeronautics so fascinating and challenging. These include the study of composite materials, aeroelasticity, high-speed aerodynamics, fluid dynamics, flight dynamics and control theory to a high level. Your individual project work gives you the opportunity to apply the knowledge you have gained during your studies to a problem in aerospace engineering. Fourth-year MEng students take additional specialised courses.

Fifth-year study will widen your knowledge at the same time as providing you with more in-depth study of aircraft and their systems. You will learn about aircraft handling qualities, aircraft operations, and advanced structural analysis techniques, in addition to extending the subjects you studied in your fourth year. Half of your fifth year is devoted to project work. In fifth year MEng students conduct a week-long experimental programme in a specially instrumented test aircraft.

A range of optional courses is available in fourth and fifth years to allow you to develop and follow your own interests. These courses include helicopter theory, advanced turbomachinery, computational fluid dynamics, experimental aerodynamics, space flight dynamics, electro-optics and aerospace systems.

Special features

Laboratories are present in each year of study. These may involve running computer simulations or require measurements in an experimental test. You will run a jet engine, weigh and balance an aircraft, test structural components and perform wind tunnel tests.

Partnership and industry links

Industry involvement comes both from contributions to aircraft design classes by engineers from the industrial sector and, whenever possible, from visits to industrial sites.

Our international links

The MEng degree programme allows you to take your fifth-year project in one of our partner universities and organisations in continental Europe. In addition to this, we have partner universities in the USA and Australia, and some students have taken their third year of study in these institutions.

Career prospects

The School of Engineering is one of three in the UK selected by BAE Systems for 'preferred' status, which has favourable implications for industrial involvement in the programme and for jobs with the company. Our recent aeronautical engineering graduates have been employed by

- Prospect, engineer
- Williams F1, junior aerodynamicist
- Insys, junior engineer
- Nuclear Decommissioning Authority, mechanical engineer
- RAF, pilot
- Fluid Gravity Engineer, aerospace engineer
- Rolls-Royce plc, graduate trainee engineer
- Rolls-Royce Derby, professional excellence engineer graduate
- Thales, electronic engineer
- Met Office, weather forecaster

You may also be interested in

- Aerospace Systems
- Mechanical Engineering with Aeronautics



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.

- We are the only university in Scotland to offer a degree in aerospace systems and our BEng and MEng degrees are accredited by the Royal Aeronautical Society.
- You will be given the opportunity to design, build and flight-test your own UAV (unmanned aerial vehicle).

Degrees and UCAS codes

BEng (H402) – four years

MEng (H401) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Royal Aeronautical Society.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years three and five.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including applied mechanics, dynamics, thermodynamics and electronics. These courses will form a solid foundation for development later in the degree programme and are supported by individual and group project and laboratory work.

Years 2 and 3

In your second and third years you will concentrate on aerospace dynamics, aeronautical engineering, electronics and systems, electrical circuits and mathematics. Also, throughout the programme there will be a focus on developing key software programming skills.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work. Your selection for BEng or MEng depends on your progress record in your first three years.

As a BEng student you will study topics including flight simulation, aerospace vehicle guidance and control, radio and radar, spacecraft systems, dynamics, aircraft handling qualities and aircraft operations.

If you are an MEng student, in your fourth year you will begin to deal with some of the more advanced concepts that make the development of aerospace systems so crucial to the success of an aircraft design.

Fifth-year study widens your knowledge at the same time as providing you with more in-depth study of aircraft systems. You will learn about aircraft handling qualities, aircraft operations, and advanced control concepts. Half of your fifth year is devoted to project work. You will also take the in-flight testing laboratory.

Special features

Laboratories are present in each year of study. These may involve running computer simulations or require measurements in an experimental test.

A feature of the fifth year of the MEng is a flight-testing course in a Jetstream Aircraft.

Partnership and industry links

Industry involvement comes both from contributions to aircraft design classes by engineers from the industrial sector and, whenever possible, from visits to industrial sites.

Our international links

The MEng degree programme allows you to take your fifth-year project in one of our partner universities and organisations in continental Europe. In addition to this, we have partner universities in the USA and Australia, and some students have taken their third year of study in these institutions.

Career prospects

The School of Engineering is one of three in the UK selected by BAE Systems for 'preferred' status, which has favourable implications for industrial involvement in the programme and for jobs with the company.

The constant demand for the renewing of aircraft and the increase in the complexity of aircraft systems leads to a demand for aerospace systems engineers, with a wide spectrum of career 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, while a number of graduates have proceeded to postgraduate research in this specialised and expanding branch of engineering.

You may also be interested in

- Aeronautical Engineering
- Mechanical Engineering with Aeronautics

Anatomy

Anatomy is the scientific study of the human body in relation to its function. Anatomy is one of our most ancient sciences, but modern anatomy brings a wide variety of contemporary techniques to the study of the human body in health and disease.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry into Medicine.



A

Degrees and UCAS codes

BSc (Hons) (B110)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Throughout this programme you will explore the scientific principles and the design of experiments which underlie investigations into

- the form and function of the human body
- the development of a foetus from an embryo
- neuroanatomy.

Traditional viewpoints of applied and clinical anatomy will also be reassessed in the light of current opinion and technology.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of human physiology, human anatomy, pharmacology and neuroscience. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will investigate more fully the methods used by anatomists today, including

- imaging techniques
- light, electron and confocal microscopy
- immunohistochemistry
- tissue culture.

In third year the courses will provide you with basic practical skills and a broad-based knowledge and understanding of the subject. Practical work is very important and you will have the chance for genuine hands-on experience. You will also be encouraged, in a friendly and relaxed atmosphere, to make presentations of your findings, allowing you to develop your skills as a competent communicator.

In fourth year a major component of your studies is an independent research project. Conducted under the supervision of a member of academic staff, you will plan, execute and evaluate an original piece of research.

You will also study certain topics in depth by taking four five-week Honours option courses.

These specialist topics include

- clinical applied anatomy
- problems in mammalian reproduction
- advanced neuroanatomy.

As the anatomical sciences represent a fast-moving discipline in which advances are constantly being made, much of the reading material is from original research papers and review articles.

Special feature

You can take Anatomy as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Our graduates are employed in biomedical laboratories (in both industry and hospitals) and in forensic science. Others have entered the paramedical services, publishing and teaching, while many have continued in postgraduate training, or have become graduate entrants into medicine or dentistry.



Archaeology

Archaeology is the study of how and where people lived in the past and how they interacted with their world, through a detailed study of their objects, sites and monuments. Archaeology explores exciting new areas such as heritage studies, identities and cultural landscapes.

- You will have the opportunity to visit archaeological sites and museums, and to acquire practical skills training in artefacts, excavation and landscape survey in Scotland and abroad.
- Our archaeology students report satisfaction levels of 95% in the National Student Survey 2011.

Degrees and UCAS codes

MA (Hons) (V400)
– four years

BSc (Hons) (V402)
– four years

Joint Honours

At Honours level, Archaeology can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc

Highers: AAAB in first sitting = unconditional offer

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB, preferably with two science subjects.

IB: 32 points.

MA

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB

IB: 34 points including three science subjects.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our archaeology students report satisfaction levels of 95% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Year 1

In the first year, you will take two courses:

- The archaeology of Scotland – which provides an understanding of the cultural evolution of Scotland from the end of the last Ice Age until the modern era, material which will enrich your understanding of other aspects of the history and culture of Scotland, and an introduction to the key archaeological methods and techniques.
- Archaeology in the modern world – which will help you understand the relevance of archaeology to contemporary society, the issues involved in the preservation and interpretation of the past, and how archaeology has been used as a tool for creating communities, identities and legitimacy.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The courses you take in second year explore the archaeology of Europe and the Mediterranean and offer an introduction to current practice, field methods and analytical techniques.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four).

You will have a wide variety of taught courses to choose from at Honours level, but everyone has to take two core courses on archaeological theory and principles in their third year.

You will also take other courses from a list that can include

- Mediterranean archaeology
- Early medieval Britain
- Viking studies
- Prehistoric Europe
- Roman archaeology
- Material culture
- Landscape studies
- Computing applications
- The archaeology of religion.

You also have to complete a dissertation based on an original piece of research. Lastly, you will prepare a portfolio of practical work based on your fieldwork and the field course.

Special feature

Throughout the programme we emphasise that you should gain practical experience in field archaeology, for example on our dedicated residential fieldschool. We provide a three-week-long course on excavation training for students entering Honours. You will also be able to take part in excavations and other fieldwork during the vacation periods. You can get some of this experience in laboratory or museum environments, and particular opportunities are available from the University's Hunterian Museum and the city's museums such as Kelvingrove Art Gallery & Museum.

Our international links

Our students have studied for a year at universities in Ireland, Sweden and Australia: it's a great opportunity to experience another country. You can also undertake your fieldwork abroad – recent students have worked in Cyprus, Greece, France and Iceland.

You will also have opportunities to work on field projects in Europe and the Mediterranean.

Career prospects

The wide range of transferable skills covered in our courses is valued by many employers, and our graduates enter a wide range of occupations, from marketing and the civil service to law and the media.

Our stress on the practical elements of archaeology means that many of our graduates find employment as professional archaeologists or work in the cultural heritage sector.

Recent graduates have positions in

- Historic Scotland
- The Royal Commission on the Ancient and Historical Monuments of Scotland
- Local authority planning departments
- Museums, including the National Museum of Scotland and Glasgow Life
- Heritage organisations such as the National Trust.



A

‘Coming from a strong physical sciences background, studying Archaeology enabled me to apply my skills in analytical science within a discipline where I could clearly see the value of my contribution and directly observe the outcome, application and interpretation of the analysis. It gave me the opportunity to make many contacts within the field, resulting in me gaining employment directly after University.’

Nicola Russell, Archaeology graduate





Arts & Media Informatics

Arts and media informatics studies the creation, use and impact of digital content and information technology in the arts, humanities and society at large. It brings a human perspective to the issues of the digital age.

- Arts and media informatics research at Glasgow has been rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).
- Only a handful of students in the world get to study this subject at undergraduate level.

Degree
MA (Hons) – four years

Joint Honours
Arts & Media Informatics is only taken as a Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements
Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings
Arts and media informatics research at Glasgow has been rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities
There are study abroad opportunities available in year three.

Programme structure

In this interdisciplinary programme, you will

- look critically at the structure, creation, use, management, storage, retrieval and transfer of new media
- discover the profound implications this has for the way we see each other and our world.

Year 1

Initially you will be introduced to a wide range of computing concepts and applications within the digital humanities, examining their impact on the development of a variety of disciplines. Topics covered include website development, databases, digitisation and electronic texts.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

Your second-year studies build on the foundations laid in the first year and introduce new concepts and applications including artificial intelligence, 3D modelling, cataloguing and metadata, cyberspace, scripting and communication technologies, and digital preservation.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four).

At Honours level, a broader theoretical understanding of the key areas of informatics is provided along with an opportunity to study the creation, application and use of particular technologies in more detail, engaging your human perspective on the issues of the digital age.

Arts & Media Informatics is taken as a Joint Honours degree with another subject from a wide range of choices. This allows you to relate your understanding of informatics to your chosen subject and also take specialist knowledge from another area into your later study of informatics.

You will need to undertake a dissertation as part of your Honours degree. You can undertake your dissertation as part of Arts and Media Informatics or your other Honours subject.

Our international links

You can spend up to a year of your degree studying abroad, normally in the third year. We have formal exchanges with the University of Oulu in Finland and the University of Urbino in Italy. Recent students have also chosen to study in Canada, the United States, Australia and Hong Kong.

Career prospects

A Joint Honours degree in Arts & Media Informatics opens a range of careers and further study opportunities and helps you stand out in the crowded graduate jobs market. It is particularly suited to those interested in a career in the creative and cultural industries, where employment growth is predicted to rise by 150,000 people by 2017.

Our graduates have pursued careers in

- multimedia design
- advertising
- digital content management
- human resources
- research
- journalism
- computer forensics
- music promotion
- film production
- academia
- archives
- museums
- galleries
- management consultancy.

‘I got the BBC placement! The team who were interviewing me were fantastically impressed with the Arts & Media Informatics programme.’

Christine Irvine, 2008 graduate

Astronomy

Astronomy is the study of the physical universe, from the Earth and the solar system to galaxies at the edge of the cosmos. Astronomers observe the universe across the entire electromagnetic spectrum, and indeed beyond: Glasgow researchers play a world-leading role in the exciting new field of gravitational wave astronomy.

- Our Physics and Astronomy students report satisfaction levels of 93% in the National Student Survey 2011.
- Astronomy lectures are complemented by our observatory, planetarium and telescope facilities. The University has close links with the Glasgow Science Centre, home to one of the UK's best planetariums.



A

Degrees

BSc (Hons) – four years

MSci – five years

Accreditation

This degree programme is accredited by the Institute of Physics.

Joint Honours

Astronomy can only be taken as a Joint Honours degree – it cannot be taken as a single Honours degree.

Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

Must have Standard Grade Physics at 2 and Mathematics Higher at B or above.

A-levels: ABB, including Mathematics and preferably one other science subject and GCSE Physics at B.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Physics and Astronomy students report satisfaction levels of 93% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

Year 1

In first year 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.

Typical courses include: Dynamical and positional astronomy, Observational astronomy, The solar system, The stars, Compact objects, and Galaxies and cosmology.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

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

Typical courses include: Theoretical astrophysics, Observational astrophysics, Stars and their spectra, and Relativity and cosmology.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). Astronomy can only be taken as a Joint Honours degree with either Physics, Mathematics or Applied Mathematics – it cannot be taken as a single Honours degree.

In Honours you will study in greater depth courses which span the entire cosmos – from

planetary systems to cosmology and general relativity – study in detail modern observational methods and undertake project work using advanced astronomical instrumentation and data analysis techniques. In your third and fourth years, you will take core courses 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.

There is an opportunity to take an MSci degree which explores core and optional astronomy topics in greater depth. In the final year of the MSci degree you will carry out an individually supervised project, working at the cutting edge of international research. 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.

Special features

Lectures are complemented by our observatory, planetarium and telescope facilities. The University also maintains close links with the Glasgow Science Centre, home of one of the UK's best planetariums.

Teaching is mainly undertaken by members of the Astronomy & Astrophysics Group and the Institute for Gravitational Research in the School of Physics & Astronomy. This means that you will be in regular contact with expert astronomers and physicists working at the forefront of research on the Sun, stars, galaxies and the extragalactic universe. These staff are using data from many of the world's most powerful telescopes and developing advanced detectors and instrumentation for the next generation of observatories and satellites.

Partnership and industry links

The University is part of the Scottish Universities' Physics Alliance (SUPA), a group of eight university physics and astronomy departments which aims to place Scotland at the international forefront of research in physics and astronomy.

Our international links

The School of Physics & Astronomy has strong international links across a wide range of research fields. Many of our staff play leading roles in major international research projects, such as the Large Hadron Collider at CERN and the worldwide collaboration searching for gravitational waves. You will have the opportunity to undertake part of your degree abroad.

Career prospects

Employers are competing for good physics and astronomy graduates at a time when there is a worldwide shortage, making employment prospects for students very good. The scientific knowledge and mathematical and analytical skills you acquire could find you working 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 physics or astronomy, or a related subject, before entering the job market.

You may also be interested in

- Physics/Theoretical Physics
- Physics with Astrophysics



Biochemistry

Biochemistry combines the study of the biology and chemistry of living organisms to allow us to understand the molecular basis of life. These studies cover lifeforms from bacteria to plants and animals and humans in healthy and diseased states.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry into Medicine.

Degrees and UCAS codes

BSc (Hons) (C700)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

This programme seeks to understand and explain the workings of living organisms at a molecular level. By looking at molecules such as proteins and nucleic acids, you will learn to understand, for example: how cells grow and divide, how nerve cells generate electrical signals, how different tissues communicate with each other, how the immune system helps us fight off infection, and how we balance food intake with our energy needs.

By understanding what happens in healthy individuals, biochemists are ideally placed to design new therapies for diseases such as cancer, diabetes, epilepsy and obesity.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of proteins, nucleic acids, cellular organisation and energy metabolism. You will also choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) 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.

Topics you will study include: molecular methods such as gene cloning and analysis, nucleic acids, genomes and gene expression, cell signalling, the cell cycle and cancer, metabolic regulation, hormone action, proteins and enzymes, muscle biochemistry, generation of nerve signals, immunology, and forensic toxicology.

In fourth year you will study some areas in much greater depth. The distinctive features of your final year are: a research project carried out under the supervision of a member of academic staff, a dissertation, and four advanced-level Honours option courses.

Projects are usually laboratory-based but can also be business-based and undertaken in conjunction with local biotechnology companies. The project gives you a real opportunity to contribute to the development of the subject and the results sometimes contribute to scientific publications.

Special features

Biochemistry can be taken as an MSci, which includes an additional placement year. This is normally spent doing research in industry or

some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

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

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

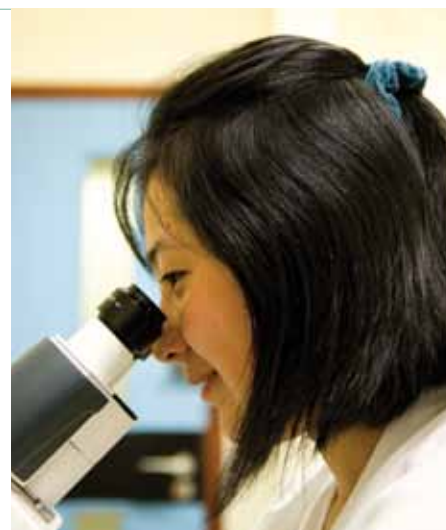
Career prospects

As a Biochemistry graduate you will be well equipped for a wide variety of careers both inside and outside of science. Many of our graduates choose to work in research and diagnostic laboratories in academic institutions or industry. Many work for pharmaceutical and biotechnology companies. Around half of our graduates go on to further study.

Biological Sciences

The Biological Sciences BSc programme in a designated subject is a three-year degree. You will study a range of biology subjects in first and second years, and in third year you will concentrate entirely on your degree subject.

- Biological science subjects at Glasgow are in the top five in the UK for student satisfaction, according to the National Student Survey 2011.



B

Degrees and UCAS codes

BSc – three years

Animal Biology (C302)

Biomolecular Sciences (C760)

Human Biology (B150)

Infection Biology (C930)

Sports Science (C600)

Entry requirements

BSc

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Biological science subjects at Glasgow are in the top five in the UK for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

There are six degree programmes to choose from within the biological sciences.

Animal Biology

This degree provides an introduction to the principles and problems of whole animal biology. You can choose to spend the whole year studying zoology or, if you wish, you can opt to spend the second half of the year studying marine and freshwater biology. This involves aspects of the biology of aquatic organisms, with special emphasis on their application to management of aquatic environments and aquaculture.

Biomolecular Sciences

You will study the molecular basis of living systems. You will see how complex phenomena in multi-cellular organisms like the organisation of cells, tissues and even behaviour are a result of the function of molecules, and how disease and modern medicine relate to molecular function and dysfunction.

Human Biology

You will study the anatomy of the human body, how living organisms work and the study of drugs: what they do and how they do it. The programme aims to explain the underlying processes and mechanisms that operate in structures from single cells to the whole animal.

Infection Biology

You will study the spectrum of infectious diseases, immune responses and the biochemistry and molecular biology of microorganisms and parasites. The final year is run jointly with the Microbiology, Parasitology and Virology degree programmes.

Sports Science

You will study human performance in sport and exercise, with three main strands of physiology, psychology and biomechanics. This is a scientific degree which studies the interactions of genetics and lifestyle rather than teaching coaching or sports techniques.

Our international links

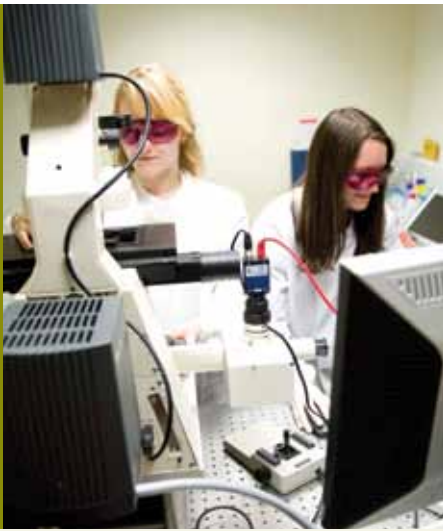
You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

These three-year degrees provide a solid scientific grounding for students whose career aspirations do not require the depth of knowledge in a particular subject that is offered by the four-year Honours degree. You will gain fundamental skills that are applicable in a wide range of careers and you will therefore be attractive to employers who value the results of scientific training and methodology.



Biomedical Engineering

Biomedical engineering is about finding engineering solutions to medical problems. It includes biomechanics, biomaterials, biofluid mechanics and medical electronics and has applications throughout medicine.

- This Biomedical Engineering programme is the first to be offered in Scotland.
- Our engineers are working with hospital doctors to develop machines that help paralysed people exercise.

Degrees and UCAS codes

BEng (J750) – four years

MEng (J751) – five years

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years three, four and five.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including applied mechanics, biomedical engineering, dynamics, engineering materials and electronics. These courses will form a solid foundation for development later in the degree programme and are supported by individual and group project and laboratory work.

Year 2

In your second year you will study further engineering and biomedical subjects including applied mathematics, applied mechanics, biomaterials, biomedical engineering skills, electronic engineering, human form and function, human physiology and principles of biological processes.

Year 3

In your third year you will study more advanced engineering and biomedical subjects including biomedical engineering, design and manufacture, electronic design, biological fluid mechanics, medical electronics, medical imaging, immunology and neuroscience.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work.

Your selection for BEng or MEng depends on your progress record in your first three years. In the BEng programme, in addition to your final-year project, which takes up one third of the year, you will continue to take courses in engineering, biomedical and life sciences and medicine such as rehabilitation engineering, biosensors, bioethics, and cell and tissue engineering.

If you are an MEng student the course options chosen in your fourth year will be similar to those taken by the fourth-year BEng students. You will, however, wait until fifth year before taking your project which will allow you to choose more course options in fourth year, so increasing the breadth of your knowledge in biomedical engineering.

In your fifth year you will spend six months working on a detailed research-based project undertaken within the University or elsewhere, in industry or another university in the UK or overseas. On your return to Glasgow the remainder of the year will be spent allowing you to increase the depth of your knowledge and understanding of biomedical engineering, such as applications of biomedical engineering, bioinformatics and systems biology.

Special feature

In first year, you will have the opportunity to take part in a variety of activities, including visiting local hospitals.

Partnership and industry links

This degree programme has very close links with industry, with industrialists contributing to projects, lectures and case studies, as well as vacation and year-out employment opportunities for students. In addition, due to

the multidisciplinary nature of this degree, there are links with the local hospitals and clinical research institutes.

Our international links

You will be able to apply to spend one year of your academic studies abroad at an accredited partner university. This would typically be in third year for BEng, or fourth year for MEng, students. MEng students will also have the opportunity to undertake their six-month project in industry or academia abroad.

Career prospects

Biomedical engineering is one of the most rapidly expanding industries, with the development of technologies to meet the demands of healthcare today. This includes the diagnosis of new infectious diseases and caring for an ageing population.

Engineering lies at the very heart of many of these challenges, in developing advanced instrumentation, developing prostheses and implant materials, and in new diagnostic sensors and new imaging techniques, to diagnose and treat chronic diseases.

Some of our graduates will see this as an excellent preliminary degree for graduate entry into medicine. The degree also provides graduates with strong transferable skills, enabling them to pursue other careers in finance, law and medicine, as well as other engineering disciplines, should they wish.

At Glasgow our graduates are always in demand. They are well represented in manufacturing companies and a wide range of industries in this country and abroad.

Business & Management

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

- Our Business School has gained specialised international accreditation from the Association to Advance Collegiate Schools of Business. Fewer than 10% of the world's business schools have achieved this designation.
- Our business and management students report satisfaction levels of 96% in the National Student Survey 2011.



B

Degree and UCAS code

MA (SocSci) (Hons) (N200) – four years

Joint Honours

At Honours level, Business & Management can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our business and management students report satisfaction levels of 96% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Our courses adopt a multidisciplinary approach, integrating knowledge from across the social sciences to investigate the issues of work, organisation, business activities and how organisations are managed.

Year 1

In your first year you will take two courses:

- People at work – introduces you to issues of the context in which organisations exist and considers individual variables such as personality and motivation.
- Marketing – introduces the fundamentals of competitive analysis, customer buyer behaviour, marketing research and marketing mix decisions.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year you will take two courses:

- Operations and financial decision management
- Organisations and management.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four).

At Honours level you will have the opportunity to undertake a more detailed analysis of the core areas of business and management from a variety of specialist options in four pathways:

- human resource management
- marketing
- strategy
- finance, operations and logistics.

It will also be possible for you to undertake live case studies and consultancy.

Special features

As part of the University of Glasgow Business School, we have gained specialised international accreditation from the Association to Advance Collegiate Schools of Business. Fewer than 10% of the world's business schools have achieved this coveted designation, making us part of an elite group.

Our teaching provision is also accredited by the Association of Business Schools and the Association of MBAs and has received special commendation for the vibrant learning experience provided for students.

Partnership and industry links

You will benefit from our collaborative ties with local industry and commerce. Major employers make significant contributions at every level of the programme and many of our courses involve live case studies with organisations, providing you with valuable practical experience.

Our international links

Students have many study abroad exchange opportunities, including two specifically designed for Business students at Akita International University (Japan) and Ningbo Campus of University of Nottingham (China).

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Note

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

Career prospects

A degree in Business & Management from Glasgow will provide you with excellent career prospects. Our programme will allow you to develop knowledge and skills highly valued by employers.

Our 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
- managers in Sainsburys
- market research managers and analysts with Procter & Gamble
- managers in financial services including HBOS, Bank of Ireland, Morgan Stanley and Royal Bank of Scotland
- civil servants and project executives with the Scottish Government
- marketing assistants with, for example, First Transport and University of Essex.

You may also be interested in

- Business Economics
- Economics



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.

- The University has a strong tradition in the study and teaching of economics, starting with the 18th-century philosopher Adam Smith, one of the founding fathers of economics, who was both a student and a professor at the University.
- You will be taught by some of the best researchers in this field, who are ranked top in Scotland for research, in the most recent independent survey of research quality (RAE 2008).

Degree and UCAS code

MA (SocSci) (Hons)
(L112) – four years

Joint Honours

At Honours level, Business Economics can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AABB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our research output is ranked top in Scotland, according to the latest independent study of research (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Economics is traditionally divided into two broad categories: microeconomics and macroeconomics. All of our students study the principles of microeconomics and macroeconomics, but there is also a great deal of choice within our programmes. You 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

In first year you will study

- Introduction to the market mechanism
- International trade
- Economic development
- Macroeconomics
- Macroeconomic policy in an open economy.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will study

- Intermediate macroeconomics
- Intermediate microeconomics
- Introduction to mathematical economics
- Economic data analysis.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). At Honours level, Business Economics can be taken as a Single Honours or Joint Honours degree.

In your third year you will take two courses on the economics of business. These put economic tools to work analysing activities inside a business.

In fourth year you will study two courses in finance. These explore how stock markets and other financial markets work and how the strategic decisions of corporations interact with financial markets.

You can also choose from a wide range of courses, studying topics such as

- environmental economics
- regional economics and the Scottish economy
- international finance
- the economics of housing
- economics of development and policy in less developed countries
- economics of team sport
- international trade.

Our international links

You can choose to spend part or all of your second or third year at another university within the EU as part of the Erasmus student exchange scheme. Alternatively, you can study in the United States, Canada, South America, Australia or New Zealand.

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Career prospects

There is strong evidence that our graduates are in demand from a wide range of employers thanks to their developed skills in research, analysis, communication, teamworking, decision making and problem solving.

Our recent graduates have been employed by

- Morgan Stanley, financial analyst
- European Parliament (Glasgow Office), internship
- Speirs & Jeffrey, investment assistant
- BNP Paribas, investment banking operations
- Arcadia Group, management trainee/buyer
- CRISIL Irevna, research analyst
- Scottish Liberal Democrats, researcher
- PricewaterhouseCoopers, trainee accountant.

Note

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

You may also be interested in

- Business & Management
- 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 to the present day.

- Celtic and Gaelic at Glasgow is ranked as the best in its field in Scotland (*The Complete University Guide 2011*).
- Celtic research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).
- You will be a part of the largest Celtic and Gaelic academic community in Scotland, one that offers a welcoming and supportive environment.



Degree

MA (Hons) – four years

Joint Honours

At Honours level, this subject is only available as part of a Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

The subject area of Celtic and Gaelic at Glasgow is ranked as the best in its field in Scotland (*The Complete University Guide 2011*).

Celtic research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in years two, three and four.

Programme structure

In the first two years you will gain an overview of the development of Celtic societies from earliest times through to the present day, taking in Continental Europe, post-Roman Britain and Ireland, and the medieval and modern societies of Scotland, Ireland and Wales.

Year 1

In the first year of study 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 two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In the second year, the course expands on the foundation laid in the first year. You will study the most important aspects of the histories, institutions, cultures and literatures of Scottish Gaelic, Irish and Welsh societies.

Celtic societies, 1066–1603 is concerned with the period of the Norman colonisations up to 1603. Celtic societies and the modern world traces the development in the histories of Gaelic Scotland, Ireland and Wales from 1750 to the present day.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). The Junior and Senior Honours years give you the opportunity to deepen your understanding of specific aspects of Celtic history, literatures and cultures. You are encouraged to think critically on a wide range of primary source material and develop your skills of analysis and interpretation while extending your capacity for independent thought and judgement.

Areas you might wish to focus on at this level include belief and culture in early medieval Ireland and Gaelic Scotland; Celtic place-names of Scotland; early Gaelic literature; Celtic art; medieval Welsh literature; or legal traditions and social reflections of Celtic societies.

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, allowing you to research a relevant topic of your own choosing and to develop a capacity to work independently.

Our international links

There are opportunities open for you to study in an institution outside the UK. The University has active study abroad relationships with universities such as those in Galway and Vienna.

Career prospects

Recent graduates have gone on to enjoy success in a range of careers including primary and secondary teaching; work with museums and government heritage bodies; publishing and book marketing; teaching English as a second language abroad.

Others have gone on to further study and to pursue successfully a career in research and academic work.

Note

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

You may also be interested in

- Celtic Studies
- Gaelic

‘It’s a fascinating mix of history, archaeology and linguistics; in fact I’d say studying Celtic Civilisation and learning how to use and interpret other types of sources has made me a better historian.’

Lawrence Mills, Celtic Civilisation student



Celtic Studies

Celtic is a language family with a number of different, but related, languages, including those available to study here – Scottish Gaelic, Irish and Welsh. Celtic Studies provides you with a fascinating combination of history and culture with a language component.

- This programme gives you the opportunity to study both modern and medieval Celtic languages.
- Celtic research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008). Celtic and Gaelic at Glasgow is ranked as the best in its field in Scotland (*The Complete University Guide 2011*).

Degree and UCAS code

MA (Hons) (Q504)
– four years

Joint Honours

At Honours level, Celtic Studies can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

The subject area of Celtic and Gaelic at Glasgow is ranked as the best in its field in Scotland (*The Complete University Guide 2011*).

Celtic research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in years two, three and four.

Programme structure

Years 1 and 2

In the first two years you will take courses from the Celtic Civilisation and/or Gaelic programmes (please refer to these programme entries).

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. 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 will study at least one language: Modern Scottish Gaelic, Modern Irish, Early Gaelic and/or Medieval Welsh.

You will have the opportunity to focus on acquiring languages (medieval or modern) and/or on historical and cultural courses.

You are also able to choose from a range of courses on specific aspects of Celtic culture and literature. Areas you might wish to focus on at this level include

- belief and culture in early medieval Ireland and Gaelic Scotland
- Celtic place-names of Scotland
- Celts, Celticity and Celticism
- early Gaelic literature
- medieval Welsh literature
- legal traditions and social reflections of Celtic societies
- 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, allowing you to research a relevant topic of your own choosing and to develop a capacity to work independently.

Special features

For those fluent in Scottish Gaelic a range of courses are taught through the medium of Gaelic. Literature courses include the study of literature both in the original and in translation.

All of our lecturers are active researchers and you have the opportunity to study in their specialist fields.

Our international links

There are opportunities open to you to study in an institution outside the UK. The University has active study abroad relationships with universities such as those in Galway and Vienna.

Career prospects

Recent graduates have gone on to enjoy success in a range of careers including primary and secondary teaching; work with museums and government heritage bodies; publishing and book marketing; teaching English as a second language abroad.

Others have gone on to further study and to pursue successfully a career in research and academic work.

You may also be interested in

- Celtic Civilisation
- Gaelic

The University has a Gaelic Language Officer who promotes Gaelic language and culture across the campus and organises events such as a Gaelic-specific careers day, a Gaelic film workshop and informal opportunities for using Gaelic.

Central & East European Studies

Ever since the Russian Revolution communism in Russia and Eastern Europe has been a fascinating subject for study. With the break-up of the Soviet Union and the emergence of independent states in Central and Eastern Europe the subject has taken on a new and vital importance. This multidisciplinary degree programme studies the history, economics, politics and sociology of the countries of Central and Eastern Europe.

- We have an excellent reputation as one of only three main centres of Central & East European Studies in the UK.
- You are not required to take a language option. However, you will have the opportunity to combine your study with one of the following languages – Estonian, Hungarian, Latvian, Czech, Polish or Russian.



Degree and UCAS code

MA (SocSci) (Hons) (R900) – four years

Joint Honours

At Honours level, Central & East European Studies can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

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

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In the following year 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 international organisations such as the European Union and NATO.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the Level-2 Central & East European Studies course, you may move on to study for an Honours degree in your third and fourth years.

You can choose to study Central & East European Studies as either a Single Honours

degree or as part of a Joint Honours degree. If you choose to do Single Honours you will have to complete the class Social Science & Humanities Research Methods in Russian, Central & East European Studies – Theory and Practice in third year, which includes a fieldtrip abroad, and write a dissertation in fourth year. You will also choose eight additional Honours options over the two years.

If you do Joint Honours you will choose up to six Honours options, one of which can be your dissertation, in Central & East European Studies, and up to six additional options in your other subject area.

Each of our courses utilises key historical and contemporary readings and frequently draws on the particular lecturer's own research expertise and publications. Honours options reflect a wide range of subject areas and topics that relate to Soviet and Post-Soviet Russia as well as the wider Central and East European region. These include

- Economic and social history
- Modern political history
- Security and international relations
- Civil society and the state
- Cultural politics and social change
- Identities and nationalism
- The environment
- European integration
- Society, culture and languages of the region.

Special feature

We have an excellent reputation as one of the three main centres of Central & East European Studies in the UK. We produce one of the leading journals focused on the study of this region: *Europe-Asia Studies*. Our unique Russian

and East European Library collection has been designated as a resource of national importance.

Partnership and industry links

The University acts as a hub for a government-funded Centre of Excellence for Russian, Central & East European Studies which brings together expertise and learning support from eight UK universities and a range of partner institutions in Russia, Central and Eastern Europe. This means that there is a wide variety of cultural, social and academic events taking place all through the year and you will be able to take part in these.

Our international links

We have a wide range of links with universities around the world, including universities in the Baltic and Central European regions. Courses you take overseas form an integral part of your degree without adding an extra year or semester.

Career prospects

Recent historic eastward enlargements of the EU and NATO and the prospect of further enlargements incorporating even more states from the former Soviet Union have increased the demand for specialists in this field. Graduates have developed careers with a host of UK and international employers including

- the European Commission
- the Foreign and Commonwealth Office
- local government
- non-governmental organisations (NGOs)
- teaching and education services
- journalism
- human resources and administration
- the business community (developing trading links with the Central and Eastern European region).

You may also be interested in

- 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.

- Graduates of this degree programme are eligible for Associate Membership of the Royal Society of Chemistry (AMRSC) and this degree programme is accredited by the Institute of Physics.
- MSci students can choose to spend a year's placement working in a relevant industry.

Degrees and UCAS codes

BSc (Hons) (F335)
– four years

MSci (F322) – five years

MSci with work placement (F320)
– five years

Accreditation

Graduates of this degree programme are eligible for Associate Membership of the Royal Society of Chemistry (AMRSC) and this degree programme is accredited by the Institute of Physics.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Applicants are normally expected to have a Higher at B or above in Mathematics, Chemistry and Physics.

A-levels: ABB, preferably with two science subjects. Applicants are normally expected to have A-levels at B or above in Mathematics, Chemistry and Physics.

IB: 32 points including Maths, Physics and Chemistry.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

Years 1 and 2

Initially you will study chemistry, physics and mathematics. In the following year you will study chemistry and physics.

Years 3, 4 and 5

If you progress to Honours (years three and four) 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.

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 or industrial laboratory. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Our international links

The Schools of Chemistry and Physics & Astronomy have strong international links across a wide range of research fields.

Career prospects

Our graduates are employed in industry, commerce, government research and education. Many graduates proceed to research leading to a higher degree.

You may also be interested in

- Chemistry
- Chemistry with Medicinal Chemistry
- Physics/Theoretical Physics
- Physics with Astrophysics

‘My course has amazing teaching, fantastic facilities and the experience is one I am never going to forget.’

Julia Kennedy, Chemical Physics student

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. It borders on physics, geology, engineering and electronics and also with genetics and other biological sciences.

- We offer employability and professional development training to our Chemistry students in years one and two of their degrees.
- We have two interactive teaching units that concentrate on ethical, environmental and financial issues in chemistry, designed to help you develop teamworking and presentation skills.



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Degrees and UCAS codes

BSc (Hons) (F100)
– four years

MSci (F101) – five years

MSci with European placement (F102)
– five years

Accreditation

BSc graduates of this degree programme are eligible for Associate Membership of the Royal Society of Chemistry (AMRSC) and the MSci

degree programme is accredited by the Royal Society of Chemistry.

Joint Honours

At Honours level, Chemistry can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc, MSci

Highers: AAAAB at first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher at B or above in Chemistry.

A-levels: ABB, preferably with two science subjects. A Level at B or above in Chemistry.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years two and four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

The topics covered include

- the periodic table and main group chemistry
- transition metal chemistry
- organic chemistry
- chemical kinetics
- theoretical chemistry
- chemical energy changes
- aqueous equilibria and pH
- macromolecules.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

Your second year builds on the first-year course and involves the following topics:

- molecular thermodynamics
- organic stereochemistry
- quantum mechanics, chemical bonding and symmetry
- organometallic chemistry
- main group chemistry
- enols and enolates
- spectroscopy
- kinetics
- aromatic chemistry
- coordination chemistry
- organic synthesis
- biophysical chemistry
- applied organic chemistry.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four) you will study advanced topics in chemistry including aspects of synthetic methods, nanoscience, catalysis, quantum mechanics, biomolecular interactions 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. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Special feature

BSc graduates of this degree programme are eligible for Associate Membership of the Royal Society of Chemistry (AMRSC) and the MSci degree programme is accredited by the Royal Society of Chemistry.

Partnership and industry links

The ScotCHEM initiative enables more than 180 chemistry research teams based at Scottish universities, including Glasgow, to pool resources in a world-class research collaboration.

Our international links

The MSci degree offers the opportunity to spend a year doing research in a European university or a work placement outwith the UK before returning for your final year of study.

Career prospects

A Chemistry degree provides not only knowledge of the subject but also training in taking decisions, analysis of problems, communication, calculations, use of computers, recognition of patterns, abstract ideas and symbolism, precision and awareness of risks. Our graduates are employed as chemists working in research, process development or analysis, as well as in management, marketing, environmental control, patents and finance.

Our recent Chemistry graduates have been employed by

- EDF Energy, graduate trainee in nuclear industry
- Quotient Clinical, manufacturing scientist
- Reckitt Benckiser, formulation technician
- Sterling Medical Innovation, research and medical technician
- Synergy Outsourcing, analyst.

You may also be interested in

- Chemical Physics
- Chemistry with Medicinal Chemistry

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.

- We offer employability and professional development training to our Chemistry students in years one and two of their degrees.
- A lecture course on industrial medicinal chemistry is presented by research workers from pharmaceutical companies.

Degrees and UCAS codes

BSc (Hons) (F103)
– four years

MSci with work placement (F104) – five years

MSci with European placement (F105) – five years

Accreditation

BSc graduates of this degree programme are eligible for Associate Membership of the Royal Society of Chemistry (AMRSC) and the MSci degree programme is accredited by the Royal Society of Chemistry.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher at B or above in Chemistry.

A-levels: ABB, preferably with two science subjects. A-level at B or above in Chemistry.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years two and four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

The topics covered include

- the periodic table and main group chemistry
- transition metal chemistry
- organic chemistry
- chemical kinetics
- theoretical chemistry
- chemical energy changes
- aqueous equilibria and pH
- macromolecules.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

Your second year builds on the first-year course and involves the following topics:

- molecular thermodynamics
- organic stereochemistry
- quantum mechanics, chemical bonding and symmetry
- organometallic chemistry
- main group chemistry
- enols and enolates
- spectroscopy
- kinetics
- aromatic chemistry
- coordination chemistry
- organic synthesis
- biophysical chemistry
- applied organic chemistry.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four), 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 placement year. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Special features

A lecture course on industrial medicinal chemistry is 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.

BSc graduates of this degree programme are eligible for Associate Membership of the Royal Society of Chemistry (AMRSC) and the MSci degree programme is accredited by the Royal Society of Chemistry.

Partnership and industry links

The ScotCHEM initiative enables more than 180 chemistry research teams based at Scottish universities, including Glasgow, to pool resources in a world-class research collaboration.

Our international links

The MSci degree offers the opportunity to spend a year doing your placement in a European university before returning for your final year of study.

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.

You may also be interested in

- Chemical Physics
- Chemistry

Civil Engineering

Civil engineers design and build monumental structures (such as the Channel Tunnel) and provide the skills and expertise to design, build and maintain the country's infrastructure, including water supply and treatment, power supply, transportation and shelter.

- The MEng is accredited as fully satisfying the educational base for a Chartered Engineer.
- The BEng is accredited as fully satisfying the educational base for an Incorporated Engineer and partially satisfying the educational base for a Chartered Engineer. A programme of accredited Further Learning will be required to complete the educational base for CEng.



Degrees and UCAS codes

BEng (H202) – four years

MEng (H200) – five years

Accreditation

MEng: this degree is accredited as fully satisfying the educational base for a Chartered Engineer.

BEng: this degree is accredited as fully satisfying the educational base for an Incorporated Engineer and partially

satisfying the educational base for a Chartered Engineer. A programme of accredited Further Learning will be required to complete the educational base for CEng.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AABB at their first sitting may

receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAABB/AAAA in first sitting including Mathematics and Physics

at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

Alternative qualifications are at www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in years two, three and four.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including mechanics, materials and design. These courses will form a solid foundation for development later in the degree programme and are supported by individual and group project and laboratory work.

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.

In your third year you will take part in a multidisciplinary design project called INTERACT. 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

The main route to becoming a fully chartered civil engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time while you are working.

Your selection for BEng or MEng depends on your progress record in your first three years.

In your fourth year, MEng students study a greater range of advanced analytical topics than BEng students. Year five of the MEng programme is largely devoted to a series of case studies, based on real problems and with strong industrial input, which are intended to develop high-level problem-solving skills.

Special feature

There is an optional London visit to view civil engineering structures, usually planned for after the Easter vacation in third year, with visits arranged to places such as the Thames Barrier, the London Eye and the Millennium Bridge. Other local site visits are also organised, eg to the Falkirk Wheel and the Forth Road Bridge.

Partnership and industry links

We have excellent links with industry, with industrialists contributing to projects, lectures and case studies. Many engineering employers are involved in the University's prestigious Club 21 work experience programme, which offers well-paid summer placements and, in some cases, sponsorship.

Our international links

You may apply to study abroad in years two or three. In addition, MEng students can work on their fourth-year project at overseas institutions.

Our 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
- SEPA, trainee flood risk scientist.

You may also be interested in

- Civil Engineering with Architecture

'Civil engineering is a terrific degree to possess as it can be transferred to many professions.'

Peter McGowan, Civil Engineering student

Civil Engineering with Architecture

This is a unique degree programme in collaboration with The Glasgow School of Art, which will give you an understanding of the architect's role in construction and the interaction between architect and civil engineer.

- The MEng is accredited as fully satisfying the educational base for a Chartered Engineer.
- The BEng is accredited as fully satisfying the educational base for an Incorporated Engineer and partially satisfying the educational base for a Chartered Engineer. A programme of accredited Further Learning will be required to complete the educational base for CEng.

Degrees and UCAS codes

BEng (H2KC) – four years

MEng (H2K1) – five years

Accreditation

MEng: this degree is accredited as fully satisfying the educational base for a Chartered Engineer.

BEng: this degree is accredited as fully satisfying the educational base for an Incorporated Engineer and partially satisfying the educational base for a Chartered Engineer. A programme of accredited Further Learning will be required to complete the educational base for CEng.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAABB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in years two, three and four.

Programme structure

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 mathematics and architecture and study engineering fundamentals including mechanics, materials and design. These courses will form a solid foundation for development later in the degree programme and are supported by individual and group project and laboratory work.

Years 2 and 3

You will take a range of courses within civil and structural engineering, and architecture. 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.

In your third year you will take part in a multidisciplinary design project called INTERACT. 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

The main route to becoming a fully chartered civil engineer is through the MEng degree, which usually takes five years. The BEng degree

remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work.

Your selection for BEng or MEng depends on your progress record in your first three years.

In your 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 a series of case studies, based on real problems and with strong industrial input, which are intended to develop high-level problem-solving skills.

Special features

There is an optional London visit to view civil engineering structures, usually planned for after the Easter vacation in third year, with visits arranged to places such as the Thames Barrier, the London Eye and the Millennium Bridge. Other local site visits are also organised, eg to the Falkirk Wheel and the Forth Road Bridge.

The architectural component is entirely design-oriented, studio-based and directed towards the production of sketches, drawings and models and their compilation into an annual portfolio. This component of the programme is taught at the Mackintosh School of Architecture, The Glasgow School of Art.

Partnership and industry links

We have excellent links with industry, with industrialists contributing to projects, lectures and case studies. Many engineering employers are involved in the University's prestigious Club 21 work experience programme, which offers well-paid summer placements and, in some cases, sponsorship.

Our international links

You may apply to study abroad in years two or three. In addition, MEng students can work on their fourth-year project at overseas institutions.

Career prospects

Our recent graduates have been employed by companies such as ARUP, Buro Happold and Atkins Global.

Case study: As a Senior Structural Engineer and Team Leader at the firm of international consultants Buro Happold, Geoff Crow, who graduated with a first-class MEng degree, has been responsible for managing a multidisciplinary team of engineers and technicians at their Edinburgh office. He has worked on a number of building projects, costing up to £50 million, such as a large new campus building for Queen Margaret University, Edinburgh.

You may also be interested in

- Civil Engineering

Classics (Classical Civilisation)

Classics involves the study of the language, literature, history and art of ancient Greece and Rome.

- Our Classics students report satisfaction levels of 90% in the National Student Survey 2011.
- As an Honours student of Classics, you will have the opportunity to spend three weeks visiting classical sites and museums in Greece and Italy. Financial support for this visit is available to all students in Single Honours.



Degree and UCAS code

MA (Hons) (Q820) – four years

Joint Honours

At Honours level, Classics can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Classics students report satisfaction levels of 90% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Year 1

In first year you will study classical civilisation, covering the history, literature and culture of archaic Greece and republican Rome. You will read the *Odyssey* and the *Aeneid* alongside the histories of Herodotus and Sallust and the plays of Plautus.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The second year covers the literature, culture, history and politics of democratic Athens and of the Roman empire at its height. The set books include plays by Aeschylus, Sophocles, Euripides and Aristophanes; a dialogue by Plato; the histories of Thucydides and Tacitus; the satirical writings of Juvenal; and Petronius' extraordinary novel.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). You may take Honours either as a Single Honours student specialising entirely in Classics or as a Joint Honours student, taking Classics in combination with another subject. Whichever you choose, the Honours programme involves two years of study (Junior and Senior Honours).

At Honours, you will choose options from a wide range that reflects the research interests of members of staff. If you take Single Honours you will take ten papers and write a dissertation on a topic of your choosing. As a Joint Honours student, you will take either six papers or four papers and a dissertation.

Courses may include

- Interpreting Greek tragedy
- The Augustan age
- Roman afterlives
- Gender and sexuality in ancient Rome
- Greeks and Romans: identity and representation.

There is also the opportunity with the Honours programme to start or continue study of Latin and/or Greek.

Special feature

The University's Hunterian Museum is renowned for artefacts and inscriptions that throw light on Roman Britain, and for the Hunter Coin Cabinet, a major collection of classical Greek coins.

International links

If you progress to Honours you will have the opportunity to spend at least three weeks (usually during the summer vacation after third year) visiting archaeological sites and museums in Italy or Greece. Travel costs are subsidised by the University for Single Honours students.

Career prospects

The breadth of view and variety of methodologies involved in a Classics degree make our graduates very employable.

In recent years our graduates have found employment as

- teachers
- civil servants
- administrators
- librarians
- archivists
- experts in museums and galleries.

Note

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

You may also be interested in

- Greek
- Latin

‘The campus is really what attracted me to the University. Lots of places offer good courses, but being able to do it in such an amazing setting really appealed to me.’

Ed Neville, Classics student



Community Development

Through this course you will develop both the practical and analytical skills to effectively work with a range of communities to bring about personal and social change.

- You will explore a range of themes including social justice and equality, local and global contexts, social action, sustainable change and participatory approaches – all of these are linked back to the work you are doing in the community.
- A research project provides the opportunity for you to apply the skills and knowledge gained in the research methods course in a small-scale community-based research project.

Degree and UCAS code

BA (XL35) – three years

Accreditation

This degree programme is a professional qualification to work in Community Development, Youth Work, Community Work and related fields, endorsed by the Standards Council for CLD in Scotland.

Entry requirements

Highers: AAB/ABBB

A-levels: BBB

This is a work-based learning programme and we encourage applicants with no formal qualifications to apply on the premise that they have extensive experience in a community development setting.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

All applicants must have the equivalent of two days per week of work (paid or unpaid) in the broad field of community development.

Interviews

Acceptance to the programme will be decided by interview.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

This programme is specifically designed for people who are working paid or unpaid in the field. You will attend classes a day and a half per week from September to May.

Year 1

In the first year you will study

- Community development and social action models
- Local and global contexts
- Practice methodology for community development and social action
- Social theories 1
- Transformational practice.

Year 2

In the second year you will study

- Lifelong learning and social change
- Empowerment strategies and practice models
- Organisation, planning and evaluation
- Critical practice for empowerment
- Social theories 2
- Critical practice.

Year 3

In the third year you will study

- Social theories 3
- Research methods
- Research project
- Practice placement.

Special feature

Practice placement provides you with the opportunity to demonstrate your competence as workers in a different setting, thereby demonstrating the transferability of your skills. A range of placement opportunities will be available by negotiation with the teaching team.

Our international links

There is the possibility of carrying out an overseas placement in the third year of the programme. In addition there are annual study trips which, although not part of the degree programme, are run by the course team and enrich the learning of students by exposing them to different cultures and alternative forms of practice. In recent years we have visited Kathmandu, Mumbai, New York, Amsterdam and Ireland.

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
- literacies
- adult education
- community regeneration work.

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.

- Our Comparative Literature students are in the UK's top five for student satisfaction, reporting satisfaction levels of 94% (National Student Survey 2011).
- Studying in the School of Modern Languages & Cultures means you are supported by many native-language-speaking staff. You will have an opportunity to learn a language from scratch or to build on your existing knowledge of a language.



Degree

MA (Hons) – four years

Joint Honours

Comparative Literature is only taken as a Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Comparative Literature students are in the UK's top five for student satisfaction, reporting satisfaction levels of 94% (National Student Survey 2011).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

The comparative or cross-cultural study of literatures is, in some ways, an idealistic academic discipline: it assumes that people from different cultures, times, places and languages can communicate with each other, understand (if not fully share) each other's traditions, and benefit from such contacts.

Year 1

Initially you will read a wide variety of texts under the theme of heroes. You will analyse works representing different types of hero: classical, tragic, popular, traditional, comic, anti-heroes and others and also explore the notion of heroism, its absence in our lives and our longing for it as this finds expression in various historical contexts and cultures. The notion of female heroism in contrast to male heroism is also explored.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In the second year the theme of frontiers will focus on the depiction of various forms of discovery and borders: geographic, scientific, psychological, gender-orientated and cultural. You will study a variety of 'crossings' and look at the exploration of otherness, secrets, mysteries and taboos. You will also focus on various literary and cinematic depictions of the search for identity and the meaning of self through a series of challenging texts and films from a variety of cultures.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the Comparative Literature courses in first and second years, you may progress to Honours in third and fourth years. Comparative Literature may only be taken as a Joint Honours Degree, meaning that you will also study another subject from a wide range.

In your Honours years you will take these core courses (one in each year):

- Intercultural readings
- Theories of reading.

These courses will introduce you to major concepts in literary and cultural theory and intercultural approaches to literature. They offer you the opportunity of studying culturally different texts within multiple frameworks, so you can reflect critically upon different approaches. You will also gain an awareness of issues of language and translation as they relate to the reading of texts from different cultures.

Special features

This programme gives you the opportunity to include the study of a foreign language (even as a beginner) as part of your curriculum.

The programme combines staff expertise in the five language areas that make up the School of Modern Languages & Cultures along with contributions from other academic disciplines.

Our international links

Our Comparative Literature students have studied abroad at universities in Canada and the USA for a semester or longer. This is a wonderful opportunity for students to encounter another culture and to experience different approaches to the subject as well.

Career prospects

Our graduates have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

You may also be interested in

- French
- German
- Hispanic Studies
- Italian
- Russian
- Spanish

Computing Science

Computing science is the study of information, computation and computational thinking. It is wide-ranging, from programming, programming languages and engineering large software systems, to the design and evaluation of human-computer interfaces, algorithms, computer and network systems, and information retrieval and storage systems.

- Our computing science students report satisfaction levels of 98% (National Student Survey 2011).
- Our computing science research is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Degrees and UCAS codes

BSc (Hons) (G400)
– four years

MSci (G402) – five years

Ratings

Our computing science students report satisfaction levels of 98% (National Student Survey 2011).

Accreditation

Honours graduates are eligible for membership of the British Computer

Society and, after relevant industrial experience, they can apply to become Chartered IT Professionals.

Joint Honours

At Honours level, Computing Science can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc, MSci

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher Mathematics at B or Higher Mathematics at C together with Higher Computing Studies or Information Systems at B.

A-levels: ABB, preferably with two science subjects. Normally have A-level Mathematics at B or above.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

Year 1

In your first year you will take an introductory programming course that emphasises the principles of programming and a course on computing fundamentals.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year you will study Java programming, object-oriented software engineering, data structures and algorithms, algorithmic foundations, computer systems and information management.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you successfully complete the courses in first and second years, you may move on to Honours (years three and four). You will cover the essential aspects of computing science in breadth and depth by the end of third year. In fourth year you will specialise in chosen areas. 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 up to the end of their fourth year of study. This is followed in fifth year by additional advanced modules and a substantial research-oriented project.

Special feature

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

Partnership and industry links

We provide our students with excellent work experience opportunities. You may be able to work throughout the UK as well as in Europe and the US and many of the organisations who offer placements use the experience to get to know students well, which often leads to permanent job offers. Organisations who have employed our students include: IBM, Amazon, Memex, Real Time, Google, Reuters, JP Morgan, Goldman Sachs, Morgan Stanley.

Our international links

Computing Science students who wish to study abroad usually do so during their second year and we have exchange agreements in place with a variety of internationally leading universities across Europe. You can also spend a year abroad in North America, Australasia or at strong universities in any other country. Your work placement between third and fourth year can be taken overseas.

Career prospects

Our recent graduates have been employed by

- Codeplay, software engineer
- JP Morgan, software developer
- Standard Life, system analyst
- Morgan Stanley, system analyst
- Hewlett Packard, software engineer.

You may also be interested in

- Computing Science & Physiology (Neuroinformatics)
- Electronic & Software Engineering
- Software Engineering
- Mobile Software Engineering

‘The quality of teaching in Computing Science is really excellent, it’s easy to learn and the lecturers are very friendly and approachable.’

Laura Murray, Computing Science student

Computing Science & Physiology (Neuroinformatics)

Neuroscience is the study of the brain and the rest of the nervous system in humans and animals. Following on from a long history of applying computational and analytical techniques to neuroscience, a new discipline of neuroinformatics has become established in the last few years.

- This degree programme may be of particular interest to mathematics and statistics students, many of whom find that problems associated with the dynamic aspects of physiology and neurophysiology offer new and challenging opportunities.
- This programme is particularly suited to graduate entry into Medicine.



Degree and UCAS code

BSc (Hons) (GB41)
– four years

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher Mathematics at B or Higher Mathematics at C together with Higher Computing Studies or Information Systems at B.

Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. Normally have A-level Mathematics at B or above. AS Level in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

This innovative and challenging degree programme examines the application of computational and analytical techniques to neuroscience, which has led to a recent explosion in computer modelling of complex physiological processes, ranging from the behaviour of single neurones to high-level cognitive processes.

Years 1 and 2

In the first two years you will study a combination of computing science, mathematics, biology and physiology.

Years 3 and 4

If you progress to Honours (third and fourth years) you will acquire

- a deep understanding of the core areas of computing science and physiology which underpin information processing
- an understanding of the ways in which information is processed by the central nervous system
- the ability to draw on your understanding of information processing to gain insight into the computational properties of real neurones and networks made up of neurones
- an understanding of the possible application of physiological principles to computing.

In your final year (fourth year) you will study some areas in much greater depth. The distinctive features of your final year will be

- a research project carried out under the supervision of a member of academic staff.
- a selection of biological and computing science courses.

The project gives you a real opportunity to contribute to the development of the subject and the results sometimes contribute to scientific publications.

Special feature

This degree programme may appeal to computing science students who wish to explore nature's solutions to computational problems.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Our graduates go on to undertake research or are employed in industry or commerce. You will be well prepared to work in industries which also require an understanding of the neural processes of communication and control – for example, the pharmaceutical or engineering control industries.

You may also be interested in

- Computing Science
- Software Engineering
- Electronic & Software Engineering
- Mobile Software Engineering

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.



Dentistry

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

- Our Dentistry students are the most satisfied in the UK, reporting satisfaction levels of 100% in the National Student Survey 2011.
- Dentistry research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Degree and UCAS code

BDS (A200) – five years

Entry requirements

UK entry requirements stated are the minimum entry requirements for applications.

Highers: AAAAB in five different subjects by the end of S6, with at least AABB at first sitting in S5. Higher subjects must include Biology and Chemistry (both at Grade A) with either Mathematics or Physics. Higher English is required.

Applicants are not considered for entry to Dentistry from S5.

A-levels: AAB in three different subjects by the end of year 13, with at least BBB at first sitting in year 12 of AS. Must have A-level Biology and Chemistry (both at Grade A). General Studies is not acceptable as a third subject at A-level.

IB: 36 to include Chemistry (score of 6) at Higher Level and Biology (score of 6) at Higher Level and one from Mathematics or Physics at Higher Level.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Applying for Dentistry

All applications must be received by UCAS by 15 October. If applying for Dentistry (A200) you must limit your choice to four dental schools only. If you apply to more than four dental schools, your application will not be forwarded to institutions by UCAS.

For more information: www.glasgow.ac.uk/ug/dentistry.

UKCAT

You will be required to take the UK Clinical Aptitude Test (UKCAT): see: www.glasgow.ac.uk/ug/dentistry.

Selection for interview

Selection for interview is based on qualifications referred to in the BDS Person Specification. Candidates are selected to progress to interview based on their UKCAT score, with the cut-off point variable from year to year.

Programme structure

The BDS curriculum produces dental practitioners who are highly skilled, reflective and caring, and who are capable of making a major contribution to the health of the communities in which they will work.

Year 1

You will be introduced to all aspects of 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

In the second year 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.

At the same time, knowledge from the first year of the programme is built upon by further study of biomedical sciences, clinical medical sciences and patient management/health promotion. In the second year you will also begin the management and treatment of patients.

Year 3

The third year builds on the knowledge and experience gained in the previous two years and provides extensive clinical experience in the various clinical dental subjects. 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 paediatrics and will also visit clinics in a general hospital for observation of a variety of specialties.

Other teaching includes a comprehensive head and neck anatomy course, the dentist's role in providing smoking and alcohol advice, initial preparation for the provision of sedation, and self-directed work within various subject areas on computer.

Year 4

You will continue to work in the Dental School and in the community at various outreach centres and will have an opportunity to develop your clinical skills through exposure to patients in all the dental disciplines.

Teaching includes oral medicine, sedation, orthodontics fixed appliance course, and further aspects of patient management/health promotion.

At the end of fourth year you are required to undertake a four-week period of elective study. This is an opportunity for personal and professional development. You will choose your own subject from one of the following broad categories of study:

- a humanitarian project (in a remote or developing country or in socio-economically challenged parts of the UK)
- an audit project
- an educational comparison
- a research project (quantitative or qualitative)
- other types of experience such as veterinary dentistry or learning a foreign language.

You will have a supervisor to help you plan your study, which will be written up as a report at the beginning of fifth year.

Year 5

The aim of the final year is to consolidate and enhance the clinical skills you have developed to this point. You will spend half your time in the Dental School and half working in the community. There will not be any lectures; instead you will attend eight sessions in the Dental School in each of the following core units:

- Crown and bridge
- Minor oral surgery
- Endodontics
- Paediatric dentistry
- Prosthodontics
- Periodontics
- Consultant clinics (1)
- Consultant clinics (2).

There will be no teaching on Wednesdays, to compensate for a full working day on Wednesdays in a community clinic. Every other week you will commute to one community clinic and also attend a residential location.

‘I chose Glasgow because of the early clinical contact which focuses on building confidence in clinical situations from first year.’

Andrew Hannah, Dentistry student



The BDS Person Specification provides information on academic qualifications, work-shadowing experience and also personal qualities we would expect successful candidates to provide evidence of, from activities they have undertaken both within and outside of school.

We will invite applicants to a multiple mini interview in February 2013. Dates and further details will be posted at: www.glasgow.ac.uk/schools/dental/undergraduate/admissions/applicant_information.

Ratings

Our Dentistry students are the most satisfied in the UK, reporting satisfaction levels of 100% in the National Student Survey 2011.

Dentistry research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year four.

Special feature

You may have the opportunity to take a relevant BSc Honours degree in one of several life sciences. Intercalated degree programmes last for one or two years and are taken after either the second or third BDS year. On completion of the BSc degree programme, you will return to the BDS programme.

Our international links

During the elective period at the end of fourth year, you will choose a topic to study in greater depth, either in Glasgow or elsewhere. Many students take the opportunity to travel abroad and the University provides organisational and limited financial support.

Career prospects

Most dental graduates become general dental practitioners. Other possible careers lie in the hospital service or the community dental service. In all spheres of dentistry, education is recognised as a lifelong experience and continuing education is increasingly recognised as important for the professional development of a graduate.

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 parts of the country, it has been voluntarily extended to a two-year period of general professional training, to provide experience in the provision of dental care in both primary and secondary settings.

Important information

Fitness to Practise

Where a programme of study requires the student to act in the course of practical training in a quasi-professional role in relation to patients, children, clients or service-users or where the qualification provides a direct licence to practise, the University has a duty to ensure that the student is fit to practise. Fitness to Practise is assessed not only in terms of academic attainment but also in accordance with relevant professional concerns and expectations. Students registered to study dentistry are subject to separate Fitness to Practise procedures. A copy of the Code of Professional Conduct and Fitness to Practise will be made available to BDS students.

Hepatitis B

Hepatitis B is a serious blood-borne virus (BBV). This can be passed between a dentist and patient. Healthcare workers **must** ensure that they do everything possible to protect themselves and their patients from this infection.

Students must complete a full course of immunisation against the Hepatitis B virus.

The immunisation process can take up to nine months and applicants are therefore advised to commence this process at the earliest possible opportunity. However, it is not a requirement for students to have completed the immunisation process prior to registration. **Please also note that your GP is NOT under obligation to immunise you.**

Confirmation of a student's Hepatitis B Surface Antigen status is identified by the University's Occupational Health Unit's screening programme, prior to registration in September.

No student will be registered without having this blood test. Carriers of Hepatitis B may be precluded from registration to Dentistry because of the nature of the clinical procedures undertaken during training.

If you are concerned you may be at risk of being a carrier of the Hepatitis B virus or any other BBV you should have this checked immediately, and if positive, you must contact the Dental School as soon as possible so that discussion can take place on whether reasonable modifications would be required to be made within the undergraduate programme.

Hepatitis C

Guidelines from the Department of Health recommend that those embarking on training in certain healthcare professions in which invasive procedures are undertaken (including dentistry) must be screened for Hepatitis C prior to registration. Applicants who are carriers of this infection will not be allowed to enter training unless they respond to treatment. All new dental students will be screened for Hepatitis C. The University undertakes this during pre-entry health screening in September.

HIV

Guidance from the Department of Health requires all dental students to be screened for HIV prior to entry. Further information will be provided to applicants at the appropriate time.

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. It is your responsibility to pay for the check.



Earth Science

Earth science is the study of the Earth, its structure, composition, history and resources. It is concerned with the interactions of the Earth's deep geology with surface processes, climates and natural and anthropogenic changes.

- Our Earth Science students are the most satisfied in the UK, reporting satisfaction levels of 98% in the National Student Survey 2011.
- You will undertake fieldwork at every stage of the programme and benefit from our proximity to many world-famous geological sites in Scotland.

Degrees and UCAS codes

BSc (Hons) (F600)
– four years

Entry requirements

BSc

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB, preferably with two science subjects

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Earth Science students are the most satisfied in the UK, reporting satisfaction levels of 98% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Programme structure

Throughout the programme you will gain a rigorous understanding of the Earth, the way it works, its properties and materials, its history, evolution and environment, and the interaction between the planet and its inhabitants. You will also acquire the vital professional skills of communication, team building and problem solving. No prior knowledge is required, and Earth Science can be studied with a wide range of first-year subjects.

Year 1

Initially you will study the major themes of Earth science. There are two courses in first year, covering plate tectonics, the structure of the Earth, earthquakes, volcanoes, how Earth materials deform, environmental issues, geotechnology, and exploration for oil, gas, coal and minerals.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

You will undertake four courses in the second year, building your knowledge of

- the solid Earth
- palaeobiology, and the use of fossils to reconstruct environments and climates in the past
- the surface of the Earth in the past and the present day
- the structure of the Earth, geological maps, and Earth exploration.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second years you can progress to Honours (third and fourth years).

At Honours you will study a number of core courses together with a wide range of optional courses. Core subjects include stratigraphy, metamorphic petrology, igneous petrology and geochemistry, sedimentary geology, isotope geology, tectonic geomorphology, structural geology, geological maps, geophysics, major earth processes and residential field classes.

Optional courses include engineering Earth science, hydrogeology and environmental geoscience, petroleum geology, micropalaeontology, glacial geology, coastal processes, orogens and basins, economic minerals, geographic information systems, palaeoclimates, sequence stratigraphy, geomorphology, fluvial systems and macrogeomorphology.

At Honours level you will undertake two independent projects; one field-based geological mapping project and one laboratory-based research project. The latter involves the use of analytical facilities within the school such as state-of-the-art electron microscopes.

Special feature

Beginning in the first year, our intensive fieldwork at every stage of the programme will mean you acquire professional-level field skills over a wide variety of locations and situations.

The opportunity to conduct Earth science research at many significant locations has taken our students all over the globe. We're also fortunate at Glasgow in our proximity to many

world-famous geological sites. Opportunities range from the outstanding geology of the Scottish Highlands to superb rock exposures on the west coast and ancient volcanoes of the Hebrides.

Partnership and industry links

The Scottish Alliance for Geoscience, Environment & Society (SAGES) brings together researchers from Glasgow and eight other universities who are involved with the study of the Earth's environment and the way people interact with it.

Our international links

Travelling and overseas work are major features of an Earth science career and we encourage our students to take advantage of the University's extensive exchange programmes to study abroad. In recent years our students have studied in Australia, Canada, New Zealand and Europe, and have seen spectacular geology when doing so.

Career prospects

Our recent Earth Science graduates are employed as

- Shell Exploration & Production, UK, production geologist
- Moultrie Geology, Australia, exploration geologist
- ATH Resources, UK, graduate geologist
- WA Fairhurst & Partners, UK, engineering geologist
- Anglo American plc, UK, technical and sustainable development coordinator
- Halliburton, geologist.

You may also be interested in

- Geography

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. Economic and social history is by definition multidisciplinary; it provides the real-world and dynamic context in which other social sciences subjects can be applied and tested.

- Glasgow has the largest grouping of economic and social historians in Scotland and offers one of the most varied and searching economic and social history degree programmes in the UK.
- All academic staff are research active and teach courses built around their particular specialisms.



E

Degree and UCAS code

MA (SocSci) (Hons) (R300) – four years

Joint Honours

At Honours level, Economic & Social History can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

You will study economic and social forces from 1750 to the present day, both in Britain and internationally, and with an emphasis on the development of a wide range of transferable skills. Previous knowledge of economics or history is not necessary.

Year 1

In the first year you will take two courses that are built around the key themes of

- the workplace
- social order and conflict
- gender and the family
- migration and the community
- international economic relations.

We place national histories in an international perspective and rapid transitions against the background of long-term trends. In this way, you will be able to understand the experiences of your own society and economy more fully.

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 two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

You will study economic and social change in the UK from 1750 onwards. Again, this is covered by two courses, the first studying the period 1750-1914 and the second from 1914 to the present day. The first course begins with the Industrial

Revolution and deals with questions such as

- why did the British economy grow so rapidly?
- what were the social consequences of change?

The second course analyses many of the same themes in the context of the UK's economic and social development in the 20th century. In particular, the impact of the two World Wars is considered, along with changes in interwar Britain, the rise of the Welfare State and postwar economic decline.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second years you may progress to study for an Honours degree (years three and four).

In your Honours years you will be able to choose from a wide range of options covering countries including Germany, Japan, USA, Eastern Europe, Scotland and the UK. These reflect the research expertise of the staff and allow the in-depth study of topics such as economic policy, social policy, poverty, gender history, business history, the history of work, medicine, and popular culture.

Other aspects of your Honours years will be

- core courses that encourage the development of skills in interpretation of texts and sources, and presentation of evidence and arguments through individual and group projects
- a dissertation on a subject of your choice (this is optional)
- a compulsory reading and study trip in year three.

Our international links

Economic and social history is a subject with a strong international outlook. We have links with universities around the world for both teaching and research.

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Career prospects

Our graduates are trained to express themselves logically and to speak confidently. They have learned how to handle and analyse information, to make independent judgements, and organise their time effectively. This means you will have a great deal of flexibility in your choice of employment.

Our graduates have found employment in

- 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.

You may also be interested in

- Central & East European Studies
- History
- Politics
- Public Policy
- Sociology



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. The constraints affecting these choices are many and include income, technology, natural resources and time.

- The University has a strong tradition in the study and teaching of economics, starting with the 18th-century philosopher Adam Smith, one of the founding fathers of economics, a student and professor at the University.
- You will be taught by some of the best researchers in this field, who are ranked top in Scotland for research, in the most recent independent survey of research quality (RAE 2008).

Degree and UCAS code
MA (SocSci) (Hons) (L150) – four years

Joint Honours
 At Honours level, Economics can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements
Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our research output in Economics is ranked top in Scotland, according to the most recent independent study of research (Research Assessment Exercise 2008).

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Economics is traditionally divided into two broad categories: microeconomics and macroeconomics.

Microeconomics involves the decisions of individual units, such as a firm producing goods and trying to make a profit or a household earning income, buying products and trying to achieve the highest level of satisfaction.

Macroeconomics looks at the factors that determine the total output of the economy as a whole and analyses the mechanisms that cause inflation, unemployment and growth.

All of our students study the principles of microeconomics and macroeconomics, but there is also a great deal of choice within our programmes. You 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.

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

Year 1

In first year you will study these courses:

- Introduction to the market mechanism
- International trade
- Economic development
- Macroeconomics
- Macroeconomic policy in an open economy.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will study these courses:

- Intermediate macroeconomics
- Intermediate microeconomics
- Introduction to mathematical economics
- Economic data analysis.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four).

In third year you will take courses in microeconomic analysis and macroeconomic analysis. These courses develop advanced analytical tools that can then be employed in relation to other courses. You will also take courses in econometrics, which involves the statistical techniques of economic analysis.

In fourth year the compulsory course of Government and the economy puts the skills you have developed in your first three years into action by studying current policy issues. In fourth year you will also

- work in teams on a series of projects that will develop your understanding of a range of important issues
- present your results to your classmates
- write a dissertation on a topic of your own choice.

Our international links

You can choose to spend part or all of your second or third year at another university within the EU as part of the Erasmus student exchange scheme. Alternatively, you can study in the United States, Canada, South America, Australia or New Zealand.

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Career prospects

There is strong evidence that our graduates are in demand by a wide range of employers thanks to their developed skills in research, analysis, communication, teamworking, decision making and problem solving.

Our recent Economics graduates have been employed by

- Morgan Stanley, financial analyst
- Lloyds banking group, graduate recruitment scheme in banking
- European Parliament (Glasgow Office), internship
- Speirs & Jeffrey, investment assistant
- BNP Paribas, investment banking operations
- Arcadia Group, management trainee/buyer
- CRISIL Irevna, research analyst
- Scottish Liberal Democrats, researcher
- PricewaterhouseCoopers, trainee accountant.

You may also be interested in

- Business Economics

Electronic & Software Engineering

Electronic and software engineering combines the study of hardware and software. It will give you a deep understanding of the knowledge required to lead the teams that will design and build the computerised systems of the future.

- You can take this as an engineering degree (BEng, MEng) or as a science degree (BSc).
- The BEng and MEng degrees are accredited by the Institution of Engineering & Technology. The BSc degree is accredited by the British Computer Society.



E

Degrees and UCAS codes

BSc (Hons) (GH66)
– four years

BEng (GHP6) – four years

MEng (HG66) – five years

Accreditation

The BEng and MEng degrees are accredited by the Institution of Engineering & Technology.

The BSc degree is accredited by the British Computer Society.

Entry requirements

BSc

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher Mathematics at B or Higher Mathematics at C together with Higher Computing Studies or Information Systems at B.

A-levels: ABB, preferably with two science subjects. Normally have A-level Mathematics at B or above.

IB: 32 points.

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been

reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAABB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer. Applicants who achieved between BBB and AABBB/AAAB at their first sitting

may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our students report satisfaction levels of 92% in the National Student Survey 2011. Electronics and electrical engineering research at Glasgow is rated in the top ten in the UK (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in years two and five.

Programme structure

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

Year 1

Your first year of study will include courses in electronics and electrical engineering, mathematics and computing science. About a third of your time will be spent on the foundational analogue and digital electronics, with much of this time in the laboratory, where you will design, simulate and test circuits. Another third of the course will cover topics in mathematics. By the end of the year you will be able to apply calculations quickly to a whole range of real engineering problems. The remaining third of the course will develop computer problem-solving skills that are applicable independent of any particular programming language.

Years 2 and 3

You will gain a thorough grounding in 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. This means that at the end of three challenging years, you will possess the basic skills required of any professional electronics engineer or computing scientist, and will be developing your abilities to integrate both hardware and software to design new systems.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng and BSc degrees remain popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work. Your selection for BEng or MEng depends on your progress record in your first three years.

Whether you are a BSc, BEng or MEng student, you will have a wide choice of technical options in fourth year, choosing half your specialist topics from electronics and electrical engineering (including VLSI design and robotics) and half from computing science (including artificial intelligence, software engineering processes and network communications).

You will also gain expertise in professional aspects including economics, project organisation, environmental issues and safety. If you are a BEng or BSc student, you will complete your studies with a substantial individual project under one-to-one supervision with a member of academic staff. You may choose from a list of projects or propose a project of your own.

If you are admitted into the MEng route you will have the opportunity to take part in a multidisciplinary integrated system design project. You will work in teams alongside students of other engineering disciplines. In fifth year you will complete a six-month project abroad and then take further technical subjects including a course in advanced system design, and management subjects.

Partnership and industry links

Between third and fourth year you will undertake a work placement in industry. We can assist you in finding a placement in the UK or overseas. There is also an option to concentrate on a comprehensive management course supported by many manufacturing companies in Scotland.

Our international links

As an MEng student you will complete a six-month research and development project in an international company or research lab, in fifth year. If you have chosen to study a European language you may be assigned to a host organisation in Europe – students choosing this option are prized by employers.

Career prospects

In the expanding information industry there is a strong demand for graduates with a combination of skills in hardware and software engineering. Previous graduates have found employment in a wide range of industries, including software houses, electronics companies designing computer-based equipment and commercial institutions such as banks and insurance companies. Examples of companies where our graduates have found jobs are Agilent, ARM, BMW, Ion Torrents, Thales and Wolfson Microelectronics.

You may also be interested in

- Computing Science
- Electronics & Electrical Engineering
- Mobile Software Engineering
- Software Engineering



Electronics & Electrical Engineering

This degree programme is broadly based to prepare you for a wide range of professional careers. As a graduate engineer you will be able to deal with anything from power engineering to microelectronics, radar installations to the design of digital systems.

- Our Electronics & Electrical Engineering students report satisfaction levels of 92% in the National Student Survey 2011.
- Our BEng and MEng degrees are accredited by the Institution of Engineering & Technology.

Degrees and UCAS codes

BEng (H600) – four years

MEng (H601) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Institution of Engineering & Technology.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer. Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Electronics and electrical engineering research at Glasgow is rated in the top ten in the UK (RAE 2008). Our students report

satisfaction levels of 92% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and five.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including computing, analogue and digital electronics and electrical engineering. These courses will form a solid foundation for development later in the degree programme and are supported by individual and group project and laboratory work.

Years 2 and 3

The following two years will contain a core of compulsory and optional subjects such as management and languages. The core courses will give you a firm grounding in the knowledge and skills required of any professional electronics or electrical engineer, whether your career takes you to work with hydroelectric projects or wind farms, designing high-tech gadgets and communications devices or creating new electronic components at the nano-scale. These courses are augmented with practical construction and project work in each year – working both alone and in teams.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work.

Your selection for BEng or MEng depends on your progress record in your first three years. Both BEng and MEng students have a wide choice of technical options in fourth year, and you can specialise in selected topics from power engineering through applied neural networks and signal processing to micro-, opto- and bio-electronics. You will also gain expertise in professional aspects including economics, project organisation, environmental issues, and safety.

BEng students complete their studies with a substantial individual project, under the one-to-one supervision of academic staff.

If you are admitted into the MEng route you will have the opportunity to take part in a multidisciplinary integrated system design project instead of the fourth-year individual project. You will learn the skills of project management and work alongside students of other engineering disciplines. In fifth year you will complete a six-month project abroad and then take further technical and/or management subjects.

Special feature

In third year 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.

Partnership and industry links

There is a final-year MEng degree option to concentrate on a comprehensive management course supported by many manufacturing companies in Scotland.

Our international links

As an MEng student you will complete a six-month research and development project in an international company or research lab, in fifth year. If you have chosen to study a European language you may be assigned to a host organisation in Europe – students choosing this option are considerably prized by future employers.

Career prospects

Our recent Electronics & Electrical Engineering graduates have been employed by

- Atkins, graduate engineer
- QinetiQ, communications engineer
- BAE Systems Surface Ships, electronic engineer
- BAE Systems, engineer
- Ventus green energy, project manager
- RAF, officer.

You may also be interested in

- Aerospace Systems
- Electronic & Software Engineering
- Electronics with Music

Electronics with Music

This unique degree provides an opportunity to combine musical interests with a thorough study of modern electronics, enabling you to seek employment in the highly competitive recording and broadcast industries.

- You will graduate as a fully qualified electronic and electrical engineer with enhanced creative insight and particular skills in music technology.
- Our BEng and MEng degrees are accredited by the Institution of Engineering & Technology.



E

Degrees and UCAS codes

BEng (H6W3) – four years

MEng (H6WJ) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Institution of Engineering & Technology.

Entry requirements

This programme requires Higher/A-level Music or Grade 6 in the Associated Board Practical and Theory exams.

BEng

Highers: AAAB in first sitting, including Mathematics, Physics and Music = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or

unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics, and Music.

A-levels: ABB including Mathematics, Physics and Music.

IB: 32 points including 5 in HL Mathematics and HL Physics and HL Music.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics, Physics and Music = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics, and Music.

A-levels: AAB including Mathematics, Physics and Music.

IB: 34 points including 5 in HL Mathematics and HL Physics and HL Music.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Electronics and electrical engineering research at Glasgow is rated in the top ten in the UK (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in years two and five.

Programme structure

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 mathematics and study engineering fundamentals including computing, analogue and digital electronics and electrical engineering. These courses will form a solid foundation for development later in the degree programme and are supported by individual and group project and laboratory work. The music component includes recording and studio skills, plus either general musicianship or performance (subject to audition at the start of the year).

Year 2

During the second year, you will study core engineering subjects of analogue and digital electronics, electrical circuits, computer architecture, a design project and mathematics, together with audiovisual composition, Max MSP programming, and one other music option.

Years 3

In your third year you will continue the pattern of a mix of electronics (two-thirds) and music (one-third) topics, including systems design, communication systems, control, real-time systems, electromagnetic compatibility, mathematics, sonic arts and a music option. These courses are augmented with project work.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work.

Your selection for BEng or MEng depends on your progress record in your first three years.

On the MEng programme your choice of technical options is the same as that of the BEng degree but instead of an extended individual project you carry out a team project combined with a course in project management. You may also choose an appropriate European language course. In fifth year you will complete a six-month project and then take further technical subjects (including a course in advanced electronics system design) and management subjects.

Special features

If you are an accomplished performer, you may be admitted to the performance options of the programme.

If you are admitted into the MEng route you will have the opportunity to take part in a multidisciplinary integrated system design project. You will work in teams alongside students of other engineering disciplines.

Partnership and industry links

There is a final-year MEng degree option to concentrate on a comprehensive management course supported by many manufacturing companies in Scotland.

Our international links

As an MEng student you will complete a six-month research and development project in an international company or research lab, in fifth year. If you have chosen to study a European language you may be assigned to a host organisation in Europe – students choosing this option are considerably prized by future employers.

Career prospects

Graduates are fully qualified electronics and electrical engineers with particular skills in music technology. This means that the degree is far more prestigious than a vocational qualification in audio recording and production and you will have the option of seeking employment in both the highly competitive world of the recording and broadcasting industries, and also the much broader field of employment offered by the electronics industry as a whole. The diversity of jobs is illustrated by the fact that our graduates have found employment ranging from designing Intel processors to investigating wind and wave power with Natural Power Consultants.

You may also be interested in

- Electronic & Software Engineering
- Electronics & Electrical Engineering



English Language

English language focuses on the past and present uses of the English language in both non-literary and literary forms, from everyday conversation to the language of literature and the media.

- Our English studies students report satisfaction levels of 95% in the National Student Survey 2011.
- English Language is rated in the top ten in the UK for research in the most recent independent survey of research quality (RAE 2008).

Degree and UCAS code

MA (Hons) (Q300) – four years

Joint Honours

At Honours level, English Language can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our English studies students report satisfaction levels of 95% in the National Student Survey 2011.

English Language at Glasgow is ranked in the top ten in the UK for research (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

You will learn about the structure of modern English, the history of English, and medieval language and literature, and will acquire the use of basic tools for describing and discussing language and improving your communication skills.

Year 1

Initially, you will focus on phonetics and grammar of modern English and on Old English, the ancestor of our modern language. You then study varieties of English, semantics, the language of literature, Scots, the history of English and medieval English literature.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will study the nature and types of speech behaviour in conversational contexts, the role of persuasive language in society, Old, Middle and Early Modern English language and literature (together with Old Icelandic literature in translation), lexicology and semantics, an introduction to English historical linguistics, and the theoretical bases of linguistic study.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

You can study English Language on its own as a Single Honours degree, or in combination with another subject (Joint Honours).

If you choose to study English Language to Honours level, you will explore a selection of topics in great depth, relate these topics to each other and, where relevant, to topics studied in another subject.

Our approach is one of progressive development; in Junior Honours you will study for the most part core subjects, while in Senior Honours you will study for the most part special options.

You will be able to choose from options such as English historical linguistics, medieval literature, manuscript studies and book history, sociolinguistics, phonetics and phonology, grammar and linguistic theory, semantics, onomastics, literary and linguistic computing, and Scots language.

In Senior Honours you will submit a dissertation on a topic of your choice. It may also be possible for you to include in your Honours curriculum up to two courses in another subject, eg English literature.

Special feature

Research projects, such as the internationally famous *Historical Thesaurus of the Oxford English Dictionary*, the SCOTS project, the Glasgow Accents Project, the Letters of Bess Hardwick Project and the Middle English Grammar Project, have a direct impact on teaching. Two dedicated laboratories, STELLA and GULP, have special software for learning about and analysing both spoken and written language.

Our international links

We have a well-established EU exchange programme with opportunities to study for a year at universities including Copenhagen, Groningen, Helsinki and Nijmegen.

Some of our students spend their third year in North America or Australasia, though special arrangements apply in these cases. Recent placements have been in Toronto, Auckland and Montreal.

Career prospects

An Honours degree in English Language opens up a wide range of career opportunities.

Some of our graduates have gone on to pursue courses in speech therapy and lexicography (dictionary-making) and many of our students go abroad to teach English as a foreign language: our graduates have gone on to teach in Europe, Asia and South America.

Our recent graduates have been employed by

- French Ministry of Education, English language assistant
- Aviva, household claims adviser
- University of Glasgow, research assistant
- First Data International, customer service consultant
- YouTube.com, creative.

You may also be interested in

- English Literature
- Scottish Literature

English Literature

English literature is the study of literature written in the English language. It explores human experience and imagination as it has been expressed in written form over five centuries. It also affords insight into how rhetorical structures of narrative and metaphor shape everyone's perception of the world.

- Our English studies students report satisfaction levels of 95% in the National Student Survey 2011.
- English Literature is rated in the top ten in the UK for research in the most recent independent survey of research quality (RAE 2008).



E

Degree and UCAS code

MA (Hons) (Q301) – four years

Joint Honours

At Honours level, English Literature can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our English studies students report satisfaction levels of 95% in the National Student Survey 2011.

English Literature at Glasgow was ranked in the top ten in the UK for research (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

In first and second years you will study three literary genres – poetry, drama and prose fiction – from Shakespeare to the present.

Year 1

Initially, you will consider the sorts of difficulty that are presented to readers by literary texts and how to handle them in critical writing. You will then go on to look at the development of notions of the self. At the same time you will be introduced to essential skills in the study of literature from various genres and periods. The writers studied in recent years include Shakespeare, Austen, Brontë, Dickens, Woolf, Beckett and Roth.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will build on your reading and analytical skills, applying these to more conceptually challenging texts. You will examine the relationship between literature and ideology, and then consider a selection of novels, poems and plays which either question the processes of their own composition, or achieve their meaning in relation to other texts.

Writers studied in recent years include Milton, Swift, Kipling, Joyce, Spark and Achebe.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will have scope for more specialised study with a significant degree of choice, including American literature, Irish literature, literary theory, cultural and postcolonial studies, and literary and linguistic computing, as well as being able to concentrate upon major literary periods.

You can choose to study English Literature as a Single Honours degree or in combination with another subject (Joint Honours).

Single Honours students choose eight courses to study across two years. You will be required to write a dissertation as one of these courses.

Joint Honours students choose four courses to study across two years, alongside courses from the other subject. One of these courses may be a dissertation.

It is also possible to submit a 10,000-word folio of creative writing.

Special feature

The University is home to the highly regarded Edwin Morgan Centre for Creative Writing. Professional writers are in residence and can provide advice and encouragement.

Our international links

Glasgow maintains agreements with a range of universities in North America as well as further afield. As well as sending students to the University of British Columbia (in Vancouver) and SUNY Albany (in the USA), in recent years we have also sent students to Hong Kong, Otago (in New Zealand) and Melbourne.

Career prospects

An Honours degree in English Literature opens up a wide range of career opportunities, such as administration, journalism and publishing, marketing, management, teaching (at home or overseas), public relations, accountancy and media research.

You may also be interested in

- English Language
- Scottish Literature



Environmental Stewardship (Dumfries Campus)

This programme will equip you with the knowledge to pursue a career in the environmental sector. Environmental issues affect us all, from global concerns such as energy demand, biodiversity loss and climate change, to more local matters such as flooding and the quality of rural and urban environments.

- Field work and practical experience are at the core of this programme, providing you with valuable skills to take into the workplace.
- This is the only Environmental Stewardship degree in the UK. It is based at the University's Dumfries Campus in the south-west of Scotland (see page 14). There is an opportunity to study this programme part-time.

Degree and UCAS code

BSc (Hons) (D447)
– four years

Entry requirements

Highers: BBBB preferably with one or two from Biology, Biotechnology, Chemistry, Computing Studies, Geography, Geology, Human Biology, Information Systems, Managing Environmental Resources, Mathematics, Physics. At least one of Mathematics, Physics or Chemistry is desirable.

A-levels: BBB preferably with one or two from Biology, Botany, Chemistry, Computing Studies, Environmental Science, Geography, Geology, Human Biology, Mathematics, Physics, Science (Double Syllabus), Statistics, Zoology. At least one of Mathematics, Physics or Chemistry is desirable.

IB: 30 points, including three science subjects.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

This degree unravels the complexity in defining the broad concepts of environmental stewardship and sustainable development, while examining the practical implications of their adoption. Implicit in this programme is a need to understand the processes operating in the natural environment, the interaction of society with natural systems and the resulting environmental problems.

Year 1

In the first year you will take the following core courses:

- Introduction to environmental science
- Earth system science
- Introduction to global environmental issues
- Text and communication.

Year 2

In the second year you will take the following core courses:

- Research methods for environmental scientists
- Sustainability of farming systems
- Energy: options for sustainability.

Year 3

In the third year you will take the following core courses:

- Applied ecology and conservation
- Human impacts on the environment
- Rural tourism and stewardship (optional)
- Current issues in science, technology and medicine (optional)
- Dissertation or work placement.

At each level you can also choose from a range of optional courses across other undergraduate disciplines. This gives you a unique chance to add valuable breadth and interest to your degree, and to study alongside students on

other programmes. Options available will include some or all of the following: Science studies, Health studies, History, Literature, Modern languages (French and Spanish), Philosophy, Social studies, and Text and communication. BSc students can also take science-based adult and continuing education courses.

Year 4

Appropriately qualified students may pursue a fourth year of study, leading to the award of the BSc (Honours) degree. The Honours year consists of

- Environmental stewardship project (on a research interest of choice)
- Environmental economics or Natural resources economics
- plus three further core courses to be approved.

Special feature

The University's Dumfries Campus is ideally located for the study of environmental stewardship, with easy access to natural environments providing you with a vibrant and diverse outdoor laboratory. Fieldwork and practical experience are at the core of this programme, providing you with valuable skills to take into the workplace.

Partnership and industry links

The programme includes contributions from key local and national organisations, such as

- the Scottish Environment Protection Agency
- Scottish Natural Heritage
- Wildfowl & Wetlands Trust
- Royal Society for the Protection of Birds
- Forestry Commission
- Scottish Agricultural College (Dumfries)
- Dumfries & Galloway Environmental Resources Centre
- Infinis Wind Farm (Dalswinton).

A number of these organisations offer placement and employment opportunities to our students.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme. Under the Erasmus scheme you study at a major European university, normally for a full year during your third year of study. Dumfries Campus has established exchange agreements with universities in Mainz, Alicante, Pamplona and Prague. If you choose to participate in the International Exchange Programme, which you would normally complete in your third year of study, you can take advantage of our formal exchange agreements with selected universities outside Europe.

Career prospects

This programme offers you the opportunity to engage with a variety of environmental management techniques, providing you with the skills, knowledge and experience to enter the graduate job market in a wide variety of roles concerned with implementing sustainability objectives. The combined approach of a broad-based education with specialist input provides you with a wide range of skills attractive to any employer, including the critical evaluation of complex issues, the presentation of structured, logical arguments supporting a viewpoint, both oral and written, and the production of, and participation in, team-based initiatives. The applied, practical approach coupled with experiences gained through the work placement, will equip you with essential qualities for working in public, commercial or voluntary environmental organisations.

Film & Television Studies

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

- Theatre, Film & Television studies at Glasgow is rated in the top ten of UK universities in the most recent independent survey of research quality (RAE 2008).
- The city of Glasgow is a major centre for film and television production and practitioners from the media industries visit the University regularly.



Degree and UCAS code

MA (Hons) (P390)
– four years

Joint Honours

At Honours level, Film & Television Studies can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Applying

All Film & Television Studies courses are normally only available to students who have been specifically admitted on Film & Television Studies codes through UCAS.

If you wish to be considered for Honours Film & Television Studies you must apply using a UCAS code for Film & Television Studies. This is due to high demand for the subject.

Ratings

Theatre, Film & Television studies at Glasgow is rated in the top ten of UK universities in the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

You will analyse films and television programmes and will also develop an understanding of film and television as an art form, an industry and a cultural commodity.

Year 1

Initially, you will be introduced to techniques of film and television analysis, aspects of film and television theory and the changing structures of cinema and television as industries.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will extend this study with more specific topics, including detailed consideration of issues of spectatorship, identity, aesthetics and film and television historiography.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you achieve good results in the first two years, you can progress to either Single or Joint Honours (years three and four). Your final two years will consist of a combination of compulsory core courses and specialist options. These will typically include courses devoted to

- particular periods and places (eg contemporary television drama, American independent cinema)

- genres (eg animation, amateur cinema, documentary film and television)
- theory and practice of film and television (eg digital media, television production, audio-visual team project, media and cultural policy)
- specific themes (eg screen violence, cinematic journeys, children's television).

Special features

Regular screenings are given throughout the programme in our own cinema and students have access to our extensive video and DVD collection.

The city of Glasgow is a major centre for film and television production and practitioners from the media industries visit the University regularly.

Screen, an internationally recognised journal devoted to the theoretical study of film and television, is published by us.

Our international links

In recent years, we have developed particularly strong links with the following universities, giving you the opportunity to study there for a semester or longer:

- Queen's University, Kingston, Ontario, Canada
- Penn State University, Pennsylvania, USA
- University of Alabama, Tuscaloosa, USA
- University of New South Wales, Sydney, NSW, Australia
- University of Hong Kong.

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
- graphics operator for the sports technology specialists Deltatre.

Older graduates are now firmly established in their chosen creative fields, whether as practitioners, arts administrators, cultural policy makers or media academics.

However, the degree is not narrowly vocational. We aim to develop critical understanding, good research skills and a questioning mind, which are the attributes most sought out by employers in a wide range of careers.

You may also be interested in

- Theatre Studies



Finance & Mathematics/Applied Mathematics/ Pure Mathematics

Finance is the study of the theory and practice of financial decision-making. Mathematics incorporates successful explorations of numerical, geometrical and logical relationships.

- We have close links with professional bodies and employers, many of whom offer placement opportunities to students.
- Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).

Degrees and UCAS codes

BSc (Hons) – four years

Finance & Mathematics (NG3C)

Finance & Applied Mathematics (GN13)

Finance & Pure Mathematics (NG31)

Entry requirements

Highers: AAAB/AAAA (from fifth year) including Mathematics at B and a humanities subject, preferably English at B.

These grades are cumulative grades over both first and second sitting and so will include Highers and Advanced Highers in the same subject.

AAAA/AAAABB (from sixth year) including Mathematics at B and a humanities subject, preferably English at B.

A-levels: AAA/A*AB including Mathematics, and GCSE English at B.

IB: 36 points. Must have Mathematics and English or any Humanities subject at subsidiary level at 5 or better.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

The research area of accounting and finance is ranked top in Scotland and fifth in the UK, according to the most recent independent research survey, Research Assessment Exercise 2008.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Years 1 and 2

In first and second years you will take courses in

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

Years 3 and 4

If you progress to Honours (years three and four) you will take a range of core and optional courses including

- Analysis 1
- Mathematical methods 1
- Financial mathematics
- 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 Business School.

Special feature

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.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

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.

You may also be interested in

- Accounting & Mathematics/Applied Mathematics/Pure Mathematics
- Accounting & Statistics
- Finance & Statistics

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.

- We have close links with professional bodies and employers, many of whom offer placement opportunities to students.
- Accounting and finance research at Glasgow is rated in the top five in the UK, according to the most recent independent survey of research quality (RAE 2008).



F

Degree and UCAS code

BSc (Hons) (GN33)
– four years

Entry requirements

Highers: AAABB/AAAA (from fifth year) including Mathematics at B and a humanities subject, preferably English at B.

These grades are cumulative grades over both first and second sitting and so will include Highers and Advanced Highers in the same subject.

AAAA/AAAABB (from sixth year) including Mathematics at B and a humanities subject, preferably English at B.

A-levels: AAA/A*AB including Mathematics, and GCSE English at B.

IB: 36 points. Must have Mathematics and English or any Humanities subject at subsidiary level at 5 or better.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

The research area of accounting and finance is ranked top in Scotland and fifth in the UK, according to the most recent independent research survey, Research Assessment Exercise 2008.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Years 1 and 2

In first and second years you will take courses in

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

Years 3 and 4

If you progress to Honours (years three and four) 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 Business School.

Special feature

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.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

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.

You may also be interested in

- Accounting & Mathematics/Applied Mathematics/Pure Mathematics
- Accounting & Statistics
- Finance & Mathematics/Applied Mathematics/Pure Mathematics



French

French involves the study of a key European and international language and its culture. French is a widely spoken language in Europe and beyond, and this widespread use is recognised by its place as one of six official languages of the United Nations.

- Our French studies students report satisfaction levels of 92% in the National Student Survey 2011.
- You will immerse yourself in the French language and culture, most significantly through a year spent abroad before you take up Honours in French.
- Your studies will go far beyond the language and into the film, literature, history and culture of France.

Degree and UCAS code

MA (Hons) (R120)
– five years

Joint Honours

At Honours level, French can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our French studies students report satisfaction levels of 92% in the National Student Survey 2011.

Scholarship opportunities

Stevenson Exchange Scholarships are available to undergraduate students studying French at Glasgow. For details of all scholarship opportunities see www.glasgow.ac.uk/scholarships.

Study abroad opportunities

You will spend the third year of this programme abroad, gaining experience that will complement your Honours years.

Programme structure

At all levels of study you will have the opportunity to advance in your understanding and use of the language, both written and oral, and will study current French culture and civilisation and that of previous centuries.

Year 1

The course you study in first year 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 can opt for the Level-1 Language and culture course. The course will build on your knowledge of French and reinforce your awareness of linguistic structures, both spoken and written. On the cultural side, you will follow lectures on a number of key genres (eg narrative, film, poetry, drama) and study texts and films in French.

If you are a beginner or near-beginner in the language, provided that you have some previous successful language learning experience, you can take the Level-1 Beginners course, which will provide an intensive foundation in reading, writing and speaking French. If you perform well enough on this course, you can progress to second year and beyond.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The first-year Language and culture course leads to French 2. This course extends and develops your linguistic skills across a range of activities and builds your knowledge of French culture through the study of further texts and

other cultural forms. Students progressing from the first-year Beginners course normally study additional first-year Cultural materials alongside French 2 courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Year 3

It is essential that you spend your third year abroad to gain admittance to Honours.

If you are taking French as a Joint Honours subject with another language, you may opt to spend your third year either in a French-speaking country or in a country where the other language is spoken. If you choose to do the latter, you will then spend the spring term of your Junior Honours year (year four) in France.

Years 4 and 5

If you successfully complete the French courses in first and second years, you may progress to Honours French, which may be taken as Single Honours or as Joint Honours, meaning that you will also study another subject from a wide range.

When you return from your year abroad, along with core language study, the curriculum in the Junior and Senior Honours years allows you to choose from a wide range of options involving literature, cinema, other aspects of French and francophone culture and civilisation, and language.

Special features

Excellent audio-visual and IT facilities are available to support both the language and the wider cultural elements of the programme.

At all levels, elements of tuition are given by native-language speakers of French.

Our international links

You will spend a year abroad before beginning Honours French. Our students usually choose either to work as a language assistant in a foreign school or to enrol at a foreign university. The University can provide support with arranging a placement with an exchange programme or other foreign placement of your choice.

Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

Statistics and career advisers both confirm that our graduates' prospects are in some instances very much better than those for other arts graduates. With the enlargement of the European Union and NATO, even more excellent opportunities are being created both in the UK and abroad.

You may also be interested in

- Comparative Literature
- German
- Hispanic Studies
- Italian
- Russian
- Spanish

Gaelic

Scottish Gaelic is Scotland's oldest living language, with both a varied past and a vibrant present.

- Celtic and Gaelic at Glasgow is ranked as the best in its field in Scotland (*The Complete University Guide 2011*).
- Celtic research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).
- Gaelic is brought to life by a dedicated Gaelic Language Officer, who promotes the language and culture across the University.



G

Degree and UCAS code

MA (Hons) (Q530) – four years

Joint Honours

At Honours level, Gaelic can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

The subject area of Celtic and Gaelic at Glasgow is ranked as the best in its field in Scotland (*The Complete University Guide 2011*).

Celtic research at Glasgow is rated in the top ten in the UK, according to the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

You will learn or develop your mastery of Scottish Gaelic, and study its literature in historical and cultural contexts. No prior knowledge of a Celtic language is required.

Year 1

In the first year there are three parallel courses, one for students with a good pass in Higher Gàidhlig, a second for those with a good pass in Higher Gaelic and a third for absolute beginners. Whether you are a native speaker of Scottish Gaelic, a learner or a complete beginner, our Gaelic programme allows you to develop advanced language skills at the same time as acquiring in-depth knowledge and understanding of Scottish Gaelic language, culture and literature, and those of related languages such as modern Irish.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In the second year you continue to broaden your knowledge of Scottish Gaelic literature, as well as deepening your language skills.

If you progress through the courses for advanced Gaelic in first year, you will study 19th-century Gaelic writers such as Norman MacLeod, 17th- and 18th-century poetry (including Iain Lom and Sileas na Ceapaich), and aspects of Gaelic linguistics including phonetics and sociolinguistics.

If you progress through the beginners' course, you will continue to hone your language skills and also study a range of Gaelic writing including

novels by Iain Mac a' Ghobhainn and poetry by Somhairle Mac Ill-eathain, some of which are taught through the medium of Gaelic.

Students who are not fluent Gaelic speakers have the opportunity to improve their fluency by attending a three-week inter-university Gaelic summer school.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four), you will concentrate on modern Scottish Gaelic, language and literature, whilst broadening out to the study of Irish and of the development and varieties of the Gaelic languages.

This allows you to study aspects of Gaelic literature and language in more depth, mostly through the medium of Gaelic, and to develop your critical and analytical skills. Among the courses on offer are

- 20th-century Gaelic war poetry
- Women's poetry between the 15th and 17th centuries
- The clearances through the eyes of the Gaels
- Gaelic autobiography
- History of the Gaelic book
- Modern Irish
- Gaelic dialectology
- Classical Gaelic
- Celtic place-names.

You also write a dissertation, allowing you to research a relevant topic of your own choosing.

In terms of language skills, you are trained to a high level of language proficiency.

Special feature

A particular feature of this programme is its continuing emphasis on developing and widening your oral and listening skills in Scottish Gaelic. Many classes are taught through the medium of Gaelic.

Our international links

There are opportunities open to you to study in an institution outside the UK. The University has active study abroad relationships with universities such as those in Galway and Vienna.

In your Honours years you will have the opportunity to spend a semester studying Irish at the National University of Ireland, Galway.

Career prospects

Recent developments in support for Gaelic, including its official recognition in the Scottish Parliament's *Achd na Gàidhlig*, mean that Gaelic is a language with expanding career opportunities. Studying Gaelic at university opens doors to a diverse range of work in which Gaelic is essential.

Over the last few years our graduates have gone on to enjoy success in a wide range of careers in the media, publishing, primary and secondary teaching, librarianship and law. Other graduates find careers in language planning and development with local authorities and Bòrd na Gàidhlig.

You may also be interested in

- Celtic Civilisation
- Celtic Studies



Genetics

Genetics is the study of genes and their action. Genetics knowledge and methodology impact on our understanding of the fundamental mechanisms of life in all living organisms, which in turn help with the diagnosis and treatment of human diseases; crime and forensics; and ecology and conservation.

- Genetics at Glasgow is ranked top in the UK for student satisfaction, with our students reporting satisfaction levels of 100% in the National Student Survey 2011.
- Laboratory work and small group teaching are important parts of the Honours course, allowing you to develop problem-solving, group-working and communication skills.
- This programme is particularly suited to graduate entry into Medicine.

Degrees and UCAS codes

BSc (Hons) (C400)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Genetics students report satisfaction levels of 100% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Our ability to determine and exploit the entire DNA sequence (genome) of an organism is revolutionising our understanding of the living world. Glasgow is one of the leading centres for teaching and research in genomics in the UK.

The methods used in genetics are being applied throughout biology and impact on such diverse areas as the diagnosis and treatment of human diseases, crime and forensics, and ecology and conservation.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of genetics, proteins, nucleic acids and evolutionary biology. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will develop

- an appreciation of the continuity of genetics
- the classical foundations of molecular genetics
- the application of both to understanding of populations and evolution.

During fourth year you will develop an appreciation of the broad application of genetics within modern biology, biotechnology and medicine. You will choose four advanced Honours option courses to study in greater depth and will also undertake an independent research project with one of the genetics research teams.

Laboratory work and small group teaching are important parts of the Honours programme, allowing you to develop problem-solving, group-working and communication skills.

Special features

You can take Genetics as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

You will undertake extensive laboratory training.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Our graduates are employed in research or go on to study for postgraduate degrees. Recent graduates have taken posts in hospital or industrial laboratories, in agricultural breeding establishments, teaching, nursing, industrial management and scientific journalism.

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.

‘The flexibility of the system at Glasgow allowed me to combine what I enjoyed for the first couple of years so that I could make an informed choice of what subject to take at Honours. The lecturers and teachers are fantastic. They are always on hand to help with any issues and are happy to be contacted with questions.’

Emily McIlwaine, Genetics student





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 commonly binding them together.

- Our Geography students report satisfaction levels of 94% in the National Student Survey 2011.
- You will have the opportunity to undertake independent dissertations and overseas fieldwork.

Degrees and UCAS codes

BSc (Hons) (F800)
– four years

MA (Hons) (L702)
– four years

MA (SocSci) (Hons) (L700) – four years

Joint Honours

At Honours level, Geography can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in

the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB, preferably with two science subjects.

IB: 32 points.

MA

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

MA (SocSci)

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AABB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 or to follow a faster route advanced entry, both of which allow you to complete a standard Honours degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Geography students report satisfaction levels of 94% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Programme structure

Year 1

Although many of our first-year students have studied geography at school or college before coming to university, you can start in first year as a novice to the subject. Our first-year course is designed to introduce you to a wide range of concerns and interests within both physical and human geography. The themes covered include a world of resources, an underdeveloped world, a world of changing environments, a shrinking world and a changing biosphere in a changing environment.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

Courses in your second year build on the foundations you have laid in first year.

- Human geography focuses on globalisation and its counterpart localisation, examining these processes in their economic, cultural, political and social dimensions.
- Physical geography emphasises the role of processes in shaping landscapes and in the ways in which the Earth changes over different timescales.

You will explore human and physical processes, examining environmental problems and their possible resolutions through policy, and you will be trained in statistical methods and laboratory analysis using a mixture of fieldwork and our own IT and physical geography laboratories.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will study both core and optional courses over your third and fourth years. Core courses are related to advanced training methods such as computerised data analysis, modelling, geographical information systems, interviewing and interpretative methods.

Optional courses complement the core courses and allow you to build a programme around your particular topical interests. Our staff have a wide range of research interests that feed into the options, allowing you the opportunity to work with academics who are at the cutting edge of geographical research.

The large number of options taught currently include Africa, Celtic geographies, coastal processes and forms, environmental hazards, fluvial processes, landscape and culture, geovisualisation, glacial processes, GIS, geographies of development, political ecologies and social geography. We also have regional research expertise in Africa, South-East Asia and Polar environments.

You will also undertake a dissertation. This is an independent piece of research on a subject of your own choosing. It provides an important way for you to demonstrate your expertise in your chosen subject as well as displaying your motivation, time-management and research skills.

Special feature

If you intend to continue to Honours, you will attend a week's residential field course to extend the field skills you are introduced to in first year. The main focuses of this field programme are group projects, data collection, problem solving and presentations.

Our international links

There are some opportunities to undertake dissertation fieldwork in organised visits overseas. In recent years, students have worked in Brazil, Iceland and Tanzania, among others.

Career prospects

Our recent Geography graduates have been employed as

- Coastal and rivers engineer, Glasgow
- Field studies tutor, Cumbria
- Environmental social researcher, Scottish Government
- Statistician, Scottish Government
- Investment manager, Liverpool
- Supply chain manager, BAE Systems
- Hydrographic surveyor, Aberdeen
- Teacher, Scotland
- Surveyor, Lanarkshire Valuation Joint Board

You may also be interested in

- Earth Science
- Environmental Stewardship (Dumfries Campus)

German

German involves the study of a key European language and its culture. German at Glasgow is one of the most long-established and active units in the UK and we provide a wide spectrum of teaching, ranging from the 18th century to contemporary culture.

- Our German studies students report satisfaction levels of 93% in the National Student Survey 2011.
- You will immerse yourself in the German language and culture, most significantly through a year spent abroad before you take up Honours in German. Your studies will go far beyond the language and into the film, literature, history and culture of the German-speaking countries.



G

Degree and UCAS code

MA (Hons) (R220)
– five years

Joint Honours

At Honours level, German can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our German studies students report satisfaction levels of 93% in the National Student Survey 2011.

Scholarship opportunities

Stevenson Exchange Scholarships are available to undergraduate students studying German at Glasgow. For details of all scholarship opportunities see www.glasgow.ac.uk/scholarships.

Study abroad opportunities

You will spend the third year of this programme abroad, gaining experience that will complement your Honours years.

Programme structure

At all levels of study in German, you will advance your understanding and use of the language, both written and oral, and the cultural forces that helped to shape contemporary society in German-speaking countries.

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 can opt for the Level-1 Language and culture course. The course will build on your knowledge of German and reinforce your awareness of linguistic structures, both spoken and written. On the cultural side, you will follow lectures on a number of key genres (eg narrative, film, poetry, drama) and study texts and films in German.

If you are a beginner or near-beginner in the language, provided that you have some previous successful language learning experience, you can take the Level-1 Beginners course, which will provide an intensive foundation in reading, writing and speaking German. If you perform well enough on this course, you can progress to second year and beyond.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The first-year Language and culture course leads to German 2. This course extends and develops your linguistic skills across a range of activities and builds your knowledge of German culture through the study of further texts and other cultural forms. Students progressing from the first-year Beginners course normally study additional first-year cultural materials alongside the German 2 course.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Year 3

It is essential that you spend your third year abroad to gain admittance to Honours.

If you are taking German as a Joint Honours subject with another language, you may opt to spend your third year either in a German-speaking country or in a country where the other language is spoken. If you choose to do the latter, you will then spend the spring term of your Junior Honours year (year four) in a German-speaking country.

Years 4 and 5

If you successfully complete the German courses in first and second years, you may progress to Honours German, which may be taken as Single Honours or as Joint Honours. The Honours curriculum consists of core language study and a wide variety of options, all taught by specialists in the field.

We currently offer topics such as German film, the German *Novelle*, realist literature, comedy, Thomas Mann and Kafka, and modern German thought.

Special features

Excellent audio-visual and IT facilities are available to support both the language and the wider cultural elements of the programme.

At all levels, elements of tuition are given by native-language speakers of German.

Our international links

You will spend a year abroad before beginning Honours German. Our students usually choose either to work as a language assistant in a foreign school or to enrol at a foreign university. The University can provide support with arranging a placement with an exchange programme or other foreign placement of your choice.

Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

Statistics and career advisers both confirm that our graduates' prospects are in some instances very much better than those for other arts graduates. With the enlargement of the European Union and NATO, even more excellent opportunities are being created both in the UK and abroad.

You may also be interested in

- Comparative Literature
- French
- Hispanic Studies
- Italian
- Russian
- Spanish



Greek

Greek involves the study of classical Greek language and literature and ancient Greek civilisation.

- As an Honours student of Greek, you will have the opportunity to spend three weeks visiting classical sites and museums in Greece. Financial support for this visit is available to all students in Single Honours.
- Our Greek students report satisfaction levels of 90% in the National Student Survey 2011.

Degree and UCAS code

MA (Hons) (Q700)
– four years

Joint Honours

At Honours level, Greek can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Greek students report satisfaction levels of 90% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

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.

Year 1

In first year 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
- translate Greek to English
- translate simple sentences from English to Greek.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year you will read work by a variety of authors.

You will also continue to develop your translation and reading skills. By the end of the year, you will be able to

- translate continuous passages of straightforward Greek into English
- translate accurately any prescribed passage from Greek into English, and comment perceptively on the set books
- write well-argued and researched essays.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). You may take Honours either as a Single Honours student specialising entirely in Greek or as a Joint Honours student, taking Greek in combination with another subject. Whichever you choose, the Honours programme involves two years of study (Junior and Senior Honours).

At Honours level, you will choose options from a wide range that reflect the research interests of members of staff. These offer the opportunity to study texts and genres in detail. If you take Single Honours you will take ten papers and write a dissertation on a topic of your choosing. As a Joint Honours student, you will take either six papers or four papers and a dissertation. Greek course options include Greek comedy and Greek oratory.

You will also have the option to choose from a range of courses which currently include Interpreting Greek tragedy, Myths, Fictions of Alexander, Greeks and Romans: identity and representation, Greek art, Athenian democracy.

There is also the opportunity within the Honours programme to start or continue the study of Latin.

Special features

The University's Hunterian Museum is renowned for artefacts and inscriptions that throw light on Roman Britain, and for the Hunter Coin Cabinet, a major collection of classical Greek coins.

Our international links

If you progress to Honours you will have the opportunity to spend at least three weeks (usually during the summer vacation after third year) visiting archaeological sites and museums in Greece. Travel costs are subsidised by the University for Single Honours students.

Career prospects

The breadth of view and variety of methodologies involved in this degree make our graduates very employable.

In recent years our graduates have found employment as

- teachers
- civil servants
- administrators
- librarians
- archivists
- experts in museums and galleries.

Notes

You do not require a previous knowledge of the Greek language.

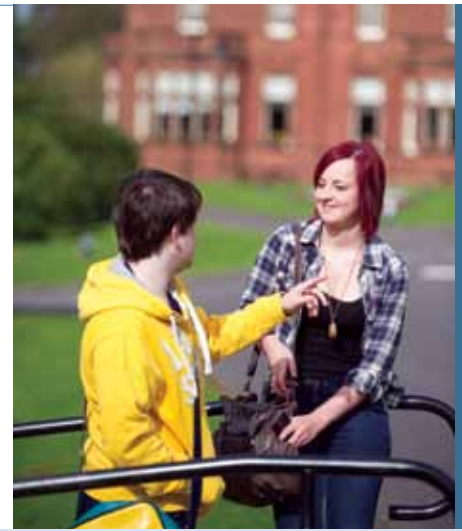
You may also be interested in

- Classics
- Latin

Health & Social Studies (Dumfries Campus)

Health and social issues are at the forefront of policy and public concern today. This programme will help you to understand the diverse nature of these issues and the way in which policies aimed at addressing them are formed and implemented.

- This degree programme is based at the University's Dumfries Campus in the south-west of Scotland (see page 14). There is an opportunity to study this programme part-time.
- A work placement option gives you the opportunity to graduate with significant, relevant work experience under your belt, greatly enhancing your career options.



Degree and UCAS code

MA (Hons) (LL34)
– four years

Entry requirements

Highers: BBBB/ABB.

A-levels: BBB.

IB: 30 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Year 1

You will take two core courses introducing you to health studies and social studies. These courses are particularly significant in establishing key conceptual foundations around the varied determinants of health and welfare, and a range of topics within social theory (for example, identity, gender, globalisation and moral panics).

The core courses are complemented by two generic courses that place specific health and social material in a wider context.

Year 2

The second year focuses on more applied and practical considerations. You will take two core courses: Healthcare policy and practice and Social welfare policy and practice. You will also have the chance to study specific courses, for example, Human nature and wellbeing or Technology, health and society.

Year 3

In semester one of your third year you will have the opportunity to work at an advanced academic level in specific topic areas. These are

- Media, health and leisure
- Research methods for social science

In semester two you can choose to undertake either a work placement or a dissertation. The placement gives you the opportunity to apply your skills to a work-based project with a relevant employer. The dissertation provides a chance to undertake in-depth research on a topic of your own interest.

At each level you can also choose from a range of optional courses across other undergraduate disciplines. This gives you a unique chance to add valuable breadth and interest to your degree, and to study alongside students on other programmes. Options available will include some or all of the following:

- Current issues in science, technology and medicine
- Text and communication
- Environmental studies
- History
- Literature
- Modern languages (French and Spanish)
- Philosophy

Year 4

Successful completion of the first three years offers the opportunity to progress to the Honours programme and become involved in the Health & Social Studies Creative Enquiry Project. This innovative venture involves you working in both group and individual situations. The group element involves the development of a final 'product' (in the past this has been the delivery of a conference, the production of a learning resource or the creation of a website). The individual element involves the completion of an extended dissertation.

Partnership and industry links

We have excellent links with employers who provide a wide range of placements. Students have recently been placed with organisations such as the NHS, Alzheimer Scotland, Dumfries & Galloway Council Homeless Service and with the Department of Social Work in areas such as adoption and fostering, and public health.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme. Under the Erasmus scheme you study at a major European university, normally for a full year during your third year of study. Dumfries Campus has established exchange agreements with universities in Mainz, Alicante, Pamplona and Prague. If you choose to participate in the International Exchange Programme, which you would normally complete in your third year of study, you can take advantage of our formal exchange agreements with selected universities outside Europe.

Career prospects

Graduate employers value students with high-quality, relevant work experience. The placement in third year is a particular strength of the degree framework and provides you with a chance to significantly enhance your employability. The placement will integrate you into a work environment and provide you with experience of workplace structures and demands. You will have an opportunity to explore the relationship between academic theory/classroom-based learning and the reality of work practice, and develop your critical thinking, reflective and problem-solving abilities – enabling you to network effectively and enhancing your employability within your chosen, specialist area.

Recent graduates have taken up employment within the NHS, the voluntary sector and in management trainee schemes. Others have gone on to postgraduate training in teaching and social work.



Hispanic Studies

Hispanic studies embraces the study of the languages, literatures and cultures of Spain, Portugal and the wider Spanish and Portuguese-speaking world, with particular emphasis on Spanish America and Brazil.

- Our Hispanic Studies students report satisfaction levels of 93% in the National Student Survey 2011.
- You will immerse yourself in the Hispanic languages and culture, most significantly through time spent abroad in both a Portuguese- and a Spanish-speaking region before you take up Honours in Hispanic Studies.

Degree and UCAS code

MA (Hons) (RR45) – five years

Honours

Hispanic Studies is only available as a Single Honours Degree, taking an equal weighting of Spanish and Portuguese in the two Honours years.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Hispanic Studies students report satisfaction levels of 93% in the National Student Survey 2011.

Study abroad opportunities

You will spend the third year of this programme abroad, gaining experience that will complement your Honours years.

Programme structure

For this degree you will study both Spanish and Portuguese as core languages. You will also take a number of options chosen from a wide range of linguistic, literary, cultural and historical topics offered from across the Hispanic world.

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 can opt for the Level-1 Language and culture course. The course will build on your knowledge of Spanish and reinforce your awareness of linguistic structures, both spoken and written. On the cultural side, you will follow lectures on a number of key genres (eg narrative, film, poetry, drama) and study texts and films in Spanish.

If you are a beginner or near-beginner in the language, provided that you have some previous successful language learning experience, you can take the Level-1 Beginners course, which will provide an intensive foundation in reading, writing and speaking Spanish. If you perform well enough on this course, you can progress to second year and beyond.

Portuguese is currently available as a Level-1 course for beginners which may be taken in first or second year.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The first-year Language and culture course leads to Spanish 2. This course extends and develops your linguistic skills across a range of activities and builds your knowledge of Spanish culture through the study of further texts and other cultural forms. Students progressing from the first-year Beginners course normally study additional Level-1 cultural materials alongside the Level-2 course.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Year 3

It is essential that you spend your third year abroad to gain admittance to Honours. If you spend your year in a Spanish-speaking country then you would normally spend at least the last three months of the second semester of your Junior Honours year in Portugal. If you spend your year in a Portuguese-speaking country then the shorter period would be spent in Spain.

Years 4 and 5

If you successfully complete the Hispanic Studies courses in first and second years, you may progress to Single Honours Hispanic Studies. You will take both Spanish and Portuguese as core languages. You will tailor the remainder of your studies to meet your own particular interests, mixing Spanish- and Portuguese-based topics. Options currently offered include language, literature, cinema and other aspects of Hispanic culture and civilisation.

Special features

Excellent audio-visual and IT facilities are available to support both the language and the wider cultural aspects of the course. At all levels, elements of tuition are given by native-language speakers.

Our international links

The two most common ways to take your year abroad are to work as a language assistant in Spain or South America on a placement arranged through the British Council, or to go as an Erasmus or other exchange student to a foreign university in a country of Spanish or Portuguese speech, which can include Brazil and Spanish America.

Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

Statistics and career advisers both confirm that our graduates' prospects are in some instances very much better than those for other arts graduates. With the enlargement of the European Union and NATO, even more excellent opportunities are being created both in the UK and abroad.

You may also be interested in

- Comparative Literature
- French
- German
- Italian
- Russian
- Spanish

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 artistic sense.

- Our History students report satisfaction levels of 94% in the National Student Survey 2011.
- You will learn within one of the largest academic communities of historians in the UK.



H

Degree and UCAS code

MA (Hons) (V100)
– four years

Joint Honours

At Honours level, History can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

History at Glasgow has a 94% rating for student satisfaction in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

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 artistic sense.

Year 1

In first year you will take two core courses covering Scottish and Medieval history over a broad time span. Between them, these courses introduce you to the study of history first in a national Scottish and then a broader European context. Forces driving continuity and change in Scottish and European politics, society, economy and culture are assessed over time.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will study modern social history and American history. These courses teach you new historical skills and represent a progression from first year.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). You may take Honours either as a Single Honours student specialising entirely in History or as a Joint Honours student, taking History in combination with another subject. Whichever you choose, the Honours programme involves two years of study (Junior and Senior Honours).

Our Honours programme consists of an exceptionally large variety of courses across the whole range of history. In Single Honours you take nine courses over two years and in Joint Honours, depending on the other options you choose, you take from three to eight courses.

As an Honours student, you will also have the chance to write a dissertation and/or study a special subject. Writing a dissertation will give you an opportunity to study a historical topic of your choice in depth and improve your research skills.

Special feature

Due to the wide-ranging research interests of our many staff, you will be able to pick from one of the most diverse ranges of history courses in the UK, both in terms of the number of courses and their chronological and geographical spread.

Our international links

You will be able to take part in different exchange programmes with leading universities in Europe and North America. You may go abroad in your Junior Honours Year (third year) and return for Senior Honours (fourth year).

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, credit assistant
- KPMG, accountant trainee
- Shetland Islands Council, graduate placement
- Glasgow Museums
- Morgan Stanley.

You may also be interested in

- Economic & Social History
- Scottish History



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.

- At Honours level, a grant from the Whistler Scholarship Fund supports a study tour of museums and galleries relevant to your areas of specialisation.
- The University owns the personal estates of American artist J M Whistler and of architect Charles Rennie Mackintosh.

Degree and UCAS code

MA (Hons) (V350)
– four years

Joint Honours

At Honours level, History of Art can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

History of art research at Glasgow is rated top in the UK in the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

You will examine the circumstances under which works of art were made, who they were made for, how they were understood, and what function they performed in their original societies.

Year 1

The first year provides an introduction to history of art by analysing the main trends in four contrasted subject fields. These have been selected so as to provide an accessible and wide-ranging programme of study, even if you are new to art history.

They allow you to study works by some of the best-known artists, designers and architects of all time and also introduce you to some key issues in history of art: the uses of different techniques and materials, and relationships between art theory, the role of art patrons and the concept of style.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will study a range of specific topics within Western/non-Western art (these may vary from year to year).

At this stage of the programme, greater emphasis is placed on theoretical issues, which is a useful foundation for progression to the more detailed study undertaken at Honours level. You will also be introduced to contrasted art historical approaches and methodologies.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours, the third and fourth years are devoted to preparation of a dissertation and study of a wide range of special options concentrating on specific periods and artists. You can also take an option in multimedia analysis and presentation and there are core courses on methodological aspects of art history, and research skills in art history.

Special features

In your third-year vacation you will receive a grant from the Whistler Scholarship Fund to assist you to visit museums, galleries and buildings relevant to your chosen course options and dissertation subject.

You will benefit from the extensive history of art and special collections of the University's library and the resources of the Hunterian Museum & Art Gallery, which feature the world-famous Hunter, Whistler and Mackintosh collections.

The city of Glasgow has the largest civic art collection in the UK, providing an unparalleled resource.

Partnership and industry links

The University has major, externally funded collaborative research projects with other national institutions, including the National Gallery; Victoria & Albert Museum; Birkbeck College, London; the Henry Moore Institute, Leeds; and the Freer Art Gallery, USA.

Our international links

We have an Erasmus agreement with Bonn University Institute for Art History, enabling suitably qualified students to spend their Junior Honours year there.

Career prospects

A degree in History of Art offers an excellent starting point for careers in publishing, journalism, teaching, librarianship and for work in museums, galleries, the heritage sector, art dealing and auction houses. In recent years, our graduates have been appointed to a wide variety of posts, from a Getty Collections Management Internship in the USA, to curatorial or administrative posts at Dulwich Picture Gallery, London; Handel House, London; and the Design and Artists Collecting Society, London.

You may also be interested in

- History of Art and Art-world Practice

History of art research at Glasgow is rated top in the UK in the most recent independent survey of research quality (RAE 2008). This means that you will be taught by academics who are considered to be producing work that is world-leading.





History of Art & Art-world Practice

This exciting and innovative programme is unique in its format and in the range of skills and knowledge that are taught.

- The first two years are spent in London studying at Christie's Education. You will change campus for the last two years of this degree and move to Glasgow to study here.
- The degree has been specially developed by the University and Christie's Education to enable you to experience the academic and the practical sides of studying the history of art.

Degree and UCAS code

MA (Hons) (VW31)
– four years

Entry requirements

For full details of entry requirements, please contact Christie's Education, admissions@christies.com.

Interview policy

Applicants must attend an interview with the relevant admissions tutor who will assess their suitability for the programme.

Interviews can be arranged in London throughout the year, in New York between February and May, and in Hong Kong at the end of May. Interviews normally last about 40 minutes and you will be asked to discuss a selection of

images as well as your particular interests. You will be formally notified of the outcome of the interview within ten days.

Ratings

History of art research at Glasgow is rated top in the UK in the most recent independent survey of research quality (RAE 2008).

Study abroad opportunities

There are two field trips abroad in years one and two.

Programme structure

You will progress by gaining credits each year. The first two years are spent in London studying at Christie's Education for the award of 240 credits and a Diploma in the History of Art & Art-world Practice from the University of Glasgow. A further 240 credits, leading to the award of an MA (Honours), is achieved in your final two years spent at Glasgow.

Year 1

Arts of Europe: Antiquity, Middle Ages, Renaissance

The core lecture series in this year is split into three parts. The first part introduces you to the art and culture of the ancient world including ancient Iraq, Persia and Egypt, and explores the depiction of the human form in Greek, Hellenistic and Roman art, as well as the art, politics and power in Late Antiquity, and the early Byzantine and Carolingian worlds.

The second part investigates the art of the high Middle Ages, exploring medieval stained glass, panel painting and illuminated manuscripts, as well as ivory, enamels, and textiles from the treasuries of Europe.

The third part introduces the birth of Italian painting from Duccio and Giotto through Masaccio and Piero della Francesca to Raphael and the reinvention of sculpture and architecture in early Renaissance Europe.

Year 2

Art, Style and Design: Renaissance to Modernism

In your second year you will focus on the art, style and design of Western Europe from the Renaissance until the 1920s. The course approaches the visual world as an integrated whole, covering the fine arts of painting and sculpture while also addressing the materials, techniques, styles and functions of furniture, silver, ceramics, textiles and fashion.

You will begin by exploring the Renaissance, Baroque, Rococo and Neo-classical styles, placing them in their social and political context. You will go on to study the impact of the Industrial Revolution on the production of consumer goods and the Arts and Crafts revival of traditional artisanal techniques. The origins of modern art in Impressionism, Post-impressionism and Art Nouveau, culminating in the avant-garde movements of Cubism, Futurism and Expressionism and Surrealism, are also investigated.

Lectures, seminars and museum visits are supplemented by handling sessions in museum stores, galleries and at Christie's auction house. Written assignments build on the experience of essay writing, compare and contrast exercises, cataloguing training and report writing that you will have acquired in first year.

Years 3 and 4

Third and fourth years are spent at the University of Glasgow. You will be allowed to choose from the full range of options available, from Antiquity, the Middle Ages and Renaissance, to Romanticism, Realism and Modernism. In addition the University has specialists in Chinese art and decorative art and design of the 19th and 20th centuries.

Special feature

Full use will be made of the University's world-class collections in the Hunterian – one of the UK's leading university museums and art galleries. This includes outstanding Charles Rennie Mackintosh and J M Whistler collections.

Career prospects

The degree is designed to give you a complete rounded education so that you will be ready for the job market or further study.

You may also be interested in

- History of Art

Immunology

Immunology is the study of the body's defence (immune) system, in health and disease. It involves elements from a wide range of basic biological sciences, all focused towards understanding how the cells and molecules of the immune system interact to combat attack from infection.

- We were the first, and are still one of the few universities in the UK, to offer an Honours degree with an intense focus on immunology for two years of study (years three and four).
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry into Medicine.



Degrees and UCAS codes

BSc (Hons) (C550)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

In the most recent independent survey of research quality, immunology research at Glasgow was rated in the top ten in the UK (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

The programme draws on elements from a wide range of basic biological sciences, all focused towards understanding how the cells and molecules of the immune system interact to combat attack from infection.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of immunology, and infection and immunity. You will also be able to choose from a wide range of other courses which might include genetics, biochemistry and molecular biology.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four), you will attend lectures in third year which cover the whole field of immunology together with supporting lectures on molecular biology, statistics and data analysis. A series of practical classes is run in parallel with the lectures, which increase familiarity with many current immunological techniques.

In fourth year you will continue your study of immunology in more depth, with the opportunity to plan your own work. You will also undertake a supervised laboratory research project and prepare a dissertation on a separate topic based on a literature survey. The Honours programme provides a full understanding of how the immune system works under both physiological and pathological conditions, covering topics such as infectious disease, vaccination, transplantation, cancer, autoimmune and inflammatory diseases.

Special features

Immunology can be taken as an MSci, which includes an additional placement year. This is normally spent doing full-time research in industry, academia or another approved placement provider in the UK or overseas. Placements happen between third year and the final year of the degree.

This is one of the few programmes in the UK which offer an Honours degree focusing solely on immunology for two years (years three and four).

Glasgow is one of the major centres for immunology research in the UK. The Institute of Immunology, Infection & Inflammation is located within the newly completed Glasgow Biomedical Research Centre on campus, bringing together

leading scientists with a similar research interest – understanding immune mechanisms of disease. It is located close to the Western Infirmary, a large teaching hospital, which helps to strengthen the medical relevance of the programme.

Our international links

This degree is recognised abroad as an excellent qualification and many of our graduates are now working in top research laboratories and companies throughout the world.

Career prospects

Careers for new graduates, or those with a postgraduate degree, are available in research and teaching in universities and research institutes; in industry, especially pharmaceutical and biotechnology companies; and clinical research and diagnostic work in hospital laboratories. A degree in Immunology can also be a route for entry to a career in other fields such as biochemistry, microbiology, parasitology and molecular biology. There are also opportunities in areas such as teaching, scientific journalism and the civil service.

Many of our graduates will continue to postgraduate study for either a Masters or PhD.

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.



Italian

Italian involves the study of a key European language and its culture. As well as possessing a uniquely rich literary and artistic heritage, modern Italy is also a dynamic and innovative commercial and industrial power.

- Our Italian studies students report satisfaction levels of 91% in the National Student Survey 2011.
- You will immerse yourself in the Italian language and culture, most significantly through a year spent abroad before you take up Honours in Italian. Your studies will go far beyond the language and into the film, literature, history and culture of Italy.

Degree and UCAS code

MA (Hons) (R310)
– five years

Joint Honours

At Honours level, Italian can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Italian studies students report satisfaction levels of 91% in the National Student Survey 2011.

Scholarship opportunities

Scottish-Italian Scholarships are available to undergraduate students studying Italian at Glasgow. For details of all scholarship opportunities see www.glasgow.ac.uk/scholarships.

Ratings

Our Italian studies students report satisfaction levels of 91% in the National Student Survey 2011.

Study abroad opportunities

You will spend the third year of this programme abroad, gaining experience that will complement your Honours years.

Programme structure

Studying Italian will give you a knowledge of present-day Italy within the framework of its rich cultural heritage as well as acquiring the language of one of the UK's major trading partners within the European Union.

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 can opt for the Level-1 Language and culture course. The course will build on your knowledge of Italian and reinforce your awareness of linguistic structures, both spoken and written. On the cultural side, you will follow lectures on a number of key genres (eg narrative, film, poetry, drama) and study texts and films in Italian.

If you are a beginner or near-beginner in the language, provided that you have some previous successful language learning experience, you can take the Level-1 Beginners course, which will provide an intensive foundation in reading, writing and speaking Italian. If you perform well enough on this course, you can progress to second year and beyond.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The first-year Language and culture course leads to Italian 2. This course extends and develops your linguistic skills across a range of

activities and builds your knowledge of Italian culture through the study of further texts and other cultural forms. Students progressing from the first-year Beginners course normally study additional Level-1 cultural materials alongside the second-year course.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Year 3

It is essential that you spend your third year abroad to gain admittance to Honours.

If you are taking Italian as a Joint Honours subject with another language, you may opt to spend your third year either in an Italian-speaking country or in a country where the other language is spoken. If you choose to do the latter, you will then spend the spring term of your Junior Honours year (year four) in an Italian-speaking country.

Years 4 and 5

If you successfully complete the Italian courses in first and second years, you may progress to Honours Italian, which may be taken as Single Honours or as Joint Honours, meaning that you will also study another subject from a wide range.

In the Honours class we maintain a balance between language work and other areas of study. We place strong emphasis on the achievement of a high degree of competence in written and spoken Italian. Literature and other areas of culture are studied in depth, and you can choose options within the courses available to reflect your own particular interests.

Special features

Excellent audio-visual and IT facilities are available to support both the language and the wider cultural aspects of the programme.

At all levels, elements of tuition are given by native speakers of Italian.

Our international links

You will spend a year abroad before beginning Honours Italian. Our students usually choose either to work as a language assistant in a foreign school or to enrol at a foreign university. The University can provide support with arranging a placement with an exchange programme or other foreign placement of your choice.

Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

Statistics and career advisers both confirm that our graduates' prospects are in some instances very much better than those for other arts graduates. With the enlargement of the European Union and NATO, even more excellent opportunities are being created both in the UK and abroad.

You may also be interested in

- Comparative Literature
- French
- German
- Hispanic Studies
- Russian
- Spanish

Latin

Latin involves the study of the language originally spoken in the region around Rome called Latium in the first millennium BC. Latin literature, and ideas expressed in the Latin language, have been influential for some 2,000 years and they continue to give pleasure and arouse wide interest.

- As an Honours student of Latin, you will have the opportunity to spend three weeks visiting classical sites and museums in Italy. Financial support for this visit is available to all students in Single Honours.
- Our Latin students report satisfaction levels of 90% in the National Student Survey 2011.



Degree and UCAS code

MA (Hons) (Q600)
– four years

Joint Honours

At Honours level, Latin can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Latin students report satisfaction levels of 90% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

In 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. Our Level-1 course offers the opportunity to study Latin intensively.

If you have a good Higher or A-level pass, you may be able to start Latin at Level-2. In Level-2, you will read work by a variety of authors.

Year 1

- If you start Latin in the Level-1 course, you will
- be introduced to key concepts in the study of Latin language
 - learn the basic features of Latin grammar and syntax
 - study basic vocabulary
 - learn how to translate simple Latin sentences into English.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In Level-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.

You will go on to study a selection of Latin prose and verse texts.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). You may take Honours either as a Single Honours student specialising entirely in Latin or as a Joint Honours student, taking Latin in combination with another subject. Whichever you choose, the Honours programme involves two years of study.

You may study topics such as epic, love-poetry, drama and the novel, where their impact on other European literatures can easily be traced.

There is also the opportunity to start or continue the study of Greek.

Special feature

The University's Hunterian Museum is renowned for artefacts and inscriptions that throw light on Roman Britain, and for the Hunter Coin Cabinet, a major collection of classical Greek coins.

Our international links

If you progress to Honours you will have the opportunity to spend at least three weeks (usually during the summer vacation after third year) visiting archaeological sites and museums in Italy or an appropriate country. Travel costs are subsidised by the University for Single Honours students.

Career prospects

The breadth of view and variety of methodologies involved in this degree make our graduates very employable.

In recent years our graduates have found employment as

- teachers
- civil servants
- administrators
- librarians
- archivists
- experts in museums and galleries.

Notes

You do not require a previous knowledge of Latin.

You may also be interested in

- Classics
- Greek



Law

Law is the study of rules and principles of conduct decreed by legislative authority, derived from court decisions and established by local custom.

- During your studies you will have the opportunity, on a part-time basis, to participate in one of our many placements – for example, with the Citizens Advice Bureau, a human rights centre, a law centre or the Scottish Parliament.
- We have an active Mooting Society which provides opportunities to take part in Scottish, UK and Europe-wide mooting competitions.

Degree and UCAS code

LLB (Hons) (M114)
– four years

Joint Honours

Joint Honours options with Law are currently offered in

- Business Economics (MN11)
- Business Management (MN12)
- Economics (ML11)
- Economic & Social History (MV13)
- English Literature (MQ13)

- Gaelic (MQ15)
- Geography (ML17)
- History (MV11)
- Philosophy (MV15)
- Politics (ML12).

Students taking a joint degree can complete all the courses necessary to apply for entry to the next stage of professional training for a career in the law, the Diploma in Legal Practice. This is very commonly done and does not require any extra courses or period of study.

Entry requirements

Highers: AAAAB including English (one sitting).

Conditional offers may be made to SQA applicants in their sixth year who achieved between ABBBB to AAABB in fifth year.

Applicants are encouraged, where possible, to study Advanced Highers in Arts/ Social Science subjects in sixth year.

A-levels: AAB (including English or GCSE English Literature and Language).

IB: 36 points including English.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Applying to Law

Law National Admissions Test

Applicants to all LLB degrees who do not already hold an undergraduate degree are required to take the Law National Admissions Test (LNAT) by 20 January 2012.

The LNAT is run by a consortium of UK universities and comprises a two-hour on-screen test made up of multiple-choice (80 minutes) and essay (40 minutes) questions.

It is designed to assess verbal reasoning skills and command of written English. The test can be taken by applicants at centres throughout the UK and overseas.

Information on how to sit the test, together with practice papers, can be found at www.lnat.ac.uk.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

The Bachelor of Laws (LLB) programme offers an exacting intellectual discipline and a thorough grounding in the principles of basic areas of the law. The degree can be studied to Ordinary level, requiring three years of full-time study, or to Honours level in four years of full-time study.

Year 1

Initially you will study

- Constitutional law and the legal system
- Contract, delict and unjustified enrichment
- Family law.

Year 2

In the following year, you will study

- Jurisprudence
- Law and government.

There is a range of optional courses to choose from, covering topics such as

- Roman law
- International private law
- Labour law
- Forensic medicine
- Public international law.

If you intend to enter the Scottish legal profession you must take these courses:

- Business organisations
- Criminal law and evidence
- Commercial law
- European law
- Property law
- Tax law.

Years 3 and 4

Admission to Honours takes place at the end of the second year. If you progress to Honours (years three and four) 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.

Special features

During your studies you will have the opportunity, on a part-time basis, to participate in one of our many placements – for example, with the Citizens Advice Bureau, a human rights centre, a law centre or the Scottish Parliament.

We have an active Mooting Society which provides opportunities to take part in Scottish, UK and Europe-wide mooting competitions.

Our international links

The School of Law has developed an extremely successful and popular study abroad programme which allows students the opportunity to spend all or part of the third year of their degree studying law in another country. This can be done either as part of the Law with Languages programme (see next point) or at one of a number of English-speaking institutions in Europe, North America, Australia, New Zealand, China or Singapore. In either case, study abroad is integrated into the degree and does not involve an additional year of study.

There are many opportunities for you to study law with languages and to spend the third year of your programme in France, Germany, Italy, Portugal or Spain. This is an integrated part of the degree, during the first two years of which language skills will be carefully developed. This will prepare you to make the most of the opportunity to increase your fluency in a foreign environment while advancing your knowledge of law. You will normally be able to choose one destination from among our partner institutions located in different regions of each country.

Career prospects

If you intend to become a solicitor or advocate you must, in addition to the LLB, complete a one-year postgraduate vocational qualification. 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. (To qualify in England, in other member states of the EU or elsewhere, it is necessary to pass additional examinations in the appropriate legal system.)

The flexibility of the law degree at Glasgow, together with the emphasis on developing the key skills required by employers and the opportunities available to study abroad and to take part in placement opportunities, means that 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.

Marine & Freshwater Biology

Marine and freshwater biology is the study of the world's aquatic environments, which provide a fascinating diversity of animals and plants for the biologist to investigate. It is an important field for the future management and conservation of our aquatic resources and the development of many different forms of aquaculture.

- You can join the Exploration Society. Zoological-based expeditions are run each year in places such as Ecuador, Bolivia, Gambia, Tobago and Trinidad.
- You can choose to study this programme as an MSci, which includes a year-long research placement.



M

Degrees and UCAS codes

BSc (Hons) (C164)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of animal diversity and ecology. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will study a wide range of topics. There are also visits to hatcheries, fish farms and aquaculture projects. You will study

- animal diversity and its classification
- experimental design and quantitative analysis
- ethical aspects of scientific work
- evolution and ecology
- wildlife conservation
- animal behaviour and animal welfare
- environmental management (aquatic pollution)
- aquatic environments.

In fourth year you will choose four topics to study in much greater depth. Courses include

- Applying ecology: conservation and management of populations
- Behavioural ecology
- Evolution – pattern and process
- Fisheries and aquaculture
- Freshwater ecology
- Marine ecosystems
- Tropical marine biology.

Another major component of your final year is an independent research project, which can be carried out in the laboratory, or in the field, at home or abroad. The project will give you the chance to research something new, and the results sometimes contribute to scientific publications.

Special features

You can take Marine & Freshwater Biology as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

You will have direct access to the Marine Biological Station at Millport in the Firth of Clyde and the Scottish Centre for Ecology & the Natural Environment on Loch Lomond.

Our international links

At Glasgow we have an Exploration Society to help you organise and conduct scientific expeditions to all parts of the world. We can give you guidance on aspects of expedition organisation such as fundraising, safety and first aid. Many zoological-based expeditions are run each year in places such as Ecuador, Bolivia, Gambia, Tobago and Trinidad.

You may have the opportunity to undertake an overseas field course. For example, the tropical marine biology course includes an optional field trip to study the coral reefs and mangroves of Tobago.

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.

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.



Mathematics/Applied Mathematics/Pure Mathematics

Mathematics is a vast and ever-growing subject which incorporates successful explorations of numerical, geometrical and logical relationships. Both Pure and Applied Mathematics also have varied applications in very many branches of human activity, including science, engineering, medicine and commerce.

- Our Mathematics students are in the UK's top five for student satisfaction, reporting satisfaction levels of 97% in the National Student Survey 2011.
- You will have the opportunity to take part in our ambassador scheme, where you will be able to go into schools and experience teaching at first hand as well as developing vital workplace skills.

Degrees and UCAS codes

Mathematics

- BSc (Hon) (G100)**
– four years
- MSci (G101)**
– five years
- MA (Hons) (G102)**
– four years

Applied Mathematics

- BSc (Hon) (G122)**
– four years
- MSci (G120)**
– five years

Pure Mathematics

- BSc (Hon) (G111)**
– four years
- MSci (G110)**
– five years

Joint Honours

Mathematics can be taken as a Single Honours or Joint Honours degree. See page 180 for a full list.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer. Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Mathematics at B or above.

A-levels: ABB, preferably with two science subjects. Normally have A-level Mathematics at B or above.

IB: 32 points.

MA

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

You can choose to take a Mathematics, Applied Mathematics or Pure Mathematics Honours degree. You will make your decision at the end of second year.

Year 1

In your first year you will take a number of courses covering matrices, linear equations, probability, complex numbers, vectors and calculus.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

We offer a wide variety of courses in second year covering multivariable calculus, linear algebra, topics in applied mathematics, topics in linear algebra and calculus, introduction to real analysis, foundations of pure mathematics, financial modelling, number theory and cryptography.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four), you will study a wide range of topics.

The Mathematics degree programme is for students who are interested in all aspects of mathematics, not just those aspects that have immediate applications. It is possible to specialise towards applied or pure mathematics in the final years. The Mathematics degree provides an ideal route for keeping future options open.

The Applied Mathematics degree programme allows students with a flair for mathematics who prefer the practical and applicable aspects of the subject to concentrate on these elements. You will study the core courses of analysis and mathematical methods and you will also choose at least two more courses from a wide range of topics in applied mathematics.

The Pure Mathematics degree programme is ideal for students who prefer the abstract and logical aspects of the subject. You will study a wide range of subjects in pure mathematics including geometry, topology, algebra and analysis. These courses give a wide-ranging introduction to the beauty and power of pure mathematical thought, applicable to a wide range of careers.

In fourth year you will have the opportunity to specialise in your area of choice and will undertake a project carried out under the personal supervision of a member of staff.

There is an opportunity to take an MSci degree – a five-year Advanced Honours degree.

Partnership with schools

A popular fourth-year project option is to take part in our ambassador scheme, where students spend time in schools. They experience teaching at first hand as well as developing vital workplace skills.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme (where you will study at a major European university for three to ten months) and the International Exchange Programme, which allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Career prospects for mathematics graduates are outstanding. Many of our graduates go on to careers in the financial services sector or computing, or go on to undertake postgraduate study. Others are employed in industry, using the modelling and problem-solving skills gained on the programme.

Here are some career paths followed by former students

- Music: Kenny McAlpine graduated with a degree in Mathematics. He always had an interest in music and since graduating has used his knowledge to compose music electronically for computer games.
- Actuarial Science: John Taylor graduated with a degree in Mathematics. He went on to work for Standard Life as an actuary.

You may also be interested in

- Accounting & Mathematics/Applied Mathematics/Pure Mathematics
- Finance & Mathematics/Applied Mathematics/Pure Mathematics
- Statistics

Mechanical Design Engineering

Mechanical design engineering students are taught to produce competitive and innovative products, within a commercially demanding environment.

- Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.
- Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers.



M

Degrees and UCAS codes

BEng (HH37) – four years

MEng (HHJ7) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAABB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AAABB/AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been

reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.

Study abroad

There are study abroad opportunities available in years three and four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics and properties of materials. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 2

In your second year you will study further basic engineering subjects including applicable mathematics, applied mechanics, electrical power engineering, engineering computing, materials, power electronics, thermodynamics and design and manufacture.

Year 3

You will study more advanced engineering subjects in third year such as: engineering design, dynamics, control and fluid power, heat transfer, design and manufacture, materials and manufacture, mathematical modelling and simulation, and mechanics of materials and structures.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from

work. Your selection for BEng or MEng depends on your progress record in your first three years. A significant activity in the fourth year is project work aimed at developing your engineering practice experience. You will undertake an individual design project carried out under the personal supervision of a member of staff as well as a multidisciplinary product design group project.

In addition the fourth year includes engineering science options which provide prerequisites for an in-depth fifth-year curriculum. The specific subjects that you take and the amount of time you spend on project work will depend on whether you opt for the BEng or the MEng programmes.

The fifth year provides additional breadth and depth in engineering design. The MEng programme includes the final design project, which could run for two consecutive years (four and five) in collaboration with industry. It also provides additional design management skills and in-depth aspects of engineering sciences. Compulsory subjects include applied design systems, and entrepreneurship and new business.

In addition to the above you will take some topics from advanced control systems engineering, laser design and applications, materials engineering, and mechanics of solids and structures.

Special features

An extensive design project, including studio work, helps to integrate the various engineering skills and to understand the business and social context within which design takes place. You will also take part in a multidisciplinary

integrated system design project. You will work in teams alongside students of other engineering disciplines.

Partnership and industry links

The degree programme has very close links with industry, with industrialists contributing to projects, lectures and case studies, as well as vacation and year-out employment opportunities for students.

Our international links

You can apply to spend one year of your academic studies abroad at an accredited partner university. This would typically be in third year for BEng, or fourth year for MEng, students. In fifth year MEng students can work on their final-year project at overseas institutions.

Career prospects

There is an excellent track record of employment in industry of our recent graduates.

In your third and fourth years, great benefit can be derived by obtaining industrial experience during the summer vacations. You will know enough by then to contribute usefully to the firm's activities; it enables both you and the company to sound each other out about the prospect of full-time employment after graduation, and it may provide ideas for your final-year project, which can benefit both yourself and the company.

You may also be interested in

- Mechanical Engineering
- Mechanical Engineering (European Curriculum)
- Mechanical Engineering with Aeronautics
- Product Design Engineering



Mechanical Engineering

A mechanical engineering degree will allow you to develop a fundamental understanding of engineering principles by studying engineering sciences and mathematics and learning to apply them to real engineering problems.

- Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.
- Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

Degrees and UCAS codes

BEng (H300) – four years

MEng (H302) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been

reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.

Study abroad

There are study abroad opportunities available in years three and four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics and properties of materials. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 2

In your second year you will study further basic engineering subjects including applicable mathematics, applied mechanics, electrical power engineering, engineering computing, materials, power electronics, thermodynamics and design and manufacture.

Year 3

In third year you will visit a number of industries in the UK and study more advanced engineering subjects including dynamics, control and fluid power; engineering design; fluid mechanics; gas dynamics; heat transfer; instrumentation and data systems; materials and manufacture; mathematical modelling and simulation; and mechanics of materials and structures.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-

time from work. Your selection for BEng or MEng depends on your progress record in your first three years.

In fourth year you will study a range of courses from elements of law for engineers, marketing, microeconomics, operations management, software engineering, advanced heat transfer, control, lasers and electro-optic systems, materials engineering, mechanics of solids and structures, physics of fluids, and vibration. You will also undertake project work – the MEng and BEng projects differ in their duration and hence in their content and the MEng project frequently has a strong industrial bias.

In fifth year individual project work forms a major component of the MEng programme with further courses chosen from advanced control systems engineering, applied design systems, built environment, laser design and applications, materials engineering, and mechanics of solids and structures.

Special feature

In fourth year you will take part in a multidisciplinary integrated system design project. You will work in teams alongside students of other engineering disciplines.

Partnership and industry links

The degree programme has very close links with industry, with industrialists contributing to projects, lectures and case studies, as well as vacation and year-out employment opportunities for students.

Our international links

You can apply to spend one year of your academic studies abroad at an accredited partner university. This would typically be in third

year for BEng, or fourth year for MEng, students. In fifth year MEng students can work on their final-year project at overseas institutions.

Career prospects

Our graduates are always in demand. They are well represented in manufacturing companies and a wide range of industries in this country and abroad.

Our recent Mechanical Engineering graduates have been employed by

- Babcock (Marine Division), graduate engineer
- Chevron, drilling engineer
- TECHNIP UK Ltd, graduate project engineer
- Wood Group, graduate piping engineer
- Spooner, graduate engineer
- Green Co. Mineral Water, assistant engineer
- Extreme Well Solution, graduate engineer
- Scottish Power Renewables, graduate mechanical engineer
- Aker Solutions, mechanical engineer
- ABS Consulting Ltd Nuclear, project engineer
- Jee Ltd, mechanical engineer
- Oyl Manufacturing, mechanical design engineer
- BAE Systems, design engineer
- Rolls-Royce, graduate professional excellence engineer
- Score Europe, graduate mechanical engineer
- BYARD Piping Mills, mechanical engineer.

You may also be interested in

- Mechanical Design Engineering
- Mechanical Engineering (European Curriculum)
- Mechanical Engineering with Aeronautics
- Product Design Engineering

Mechanical Engineering (European Curriculum)

This degree programme combines the study of mechanical engineering with study of a European language, an integral feature being a one-year period of accredited study at a continental European university.

- Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.
- Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.



M

Degrees and UCAS codes

BEng (H3R9) – four years

MEng (H3RX) – five years

Accreditation

Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers.

Ratings

Our students report satisfaction levels of 93% in the National Student Survey 2011.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics, Physics and a European language = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics, and a

European language.

A-levels: ABB including Mathematics, Physics and a European language.

IB: 32 points including 5 in HL Mathematics and HL Physics, and a European language.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA and a European language = unconditional offer.

Applicants who achieved between BBB and AABBB/

AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics, and a European language.

A-levels: AAB including Mathematics and Physics, and a European language.

IB: 34 points including 5 in HL Mathematics and HL Physics, and a European language.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

There are study abroad opportunities available in years three and four.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Programme structure

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

Year 1

In your first year you will take courses in mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics and properties of materials. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 2

In your second year you will study further basic engineering subjects including applicable mathematics, applied mechanics, electrical power engineering, engineering computing, materials, power electronics, thermodynamics and design and manufacture. You will also study a European language.

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work. Your selection for BEng or MEng depends on your progress record in your first three years.

Year 3

If you follow a BEng programme you will work for a year abroad studying the equivalent of a BEng in Mechanical Engineering.

If you follow an MEng programme you will visit a number of industries in the UK and study more advanced engineering subjects including dynamics, control and fluid power; engineering design; fluid mechanics; gas dynamics; heat transfer; instrumentation and data systems; materials and manufacture; mathematical modelling and simulation; and mechanics of materials and structures.

Years 4 and 5

If you follow a BEng programme, you will study a range of courses from elements of law for engineers, marketing, microeconomics, operations management, software engineering, advanced heat transfer, control, lasers and electro-optic systems, materials engineering, mechanics of solids and structures, physics of fluids, and vibration. You will also undertake project work.

If you follow an MEng programme you will work for a year abroad studying the equivalent of an MEng in Mechanical Engineering.

In fifth year (MEng only) individual project work forms a major component of the MEng programme, with further courses chosen from advanced control systems engineering, applied design systems, built environment, laser design and applications, materials engineering, and mechanics of solids and structures.

Special features

An integral feature of this programme is a one-year period of accredited study at a continental European university. You will also take part in a multidisciplinary integrated system design

project. You will work in teams alongside students of other engineering disciplines.

Partnership and industry links

The degree programme has very close links with industry, with industrialists contributing to projects, lectures and case studies, as well as vacation and year-out employment opportunities for students.

Our international links

One of your academic years will be spent studying at a European university; in addition fifth-year students can work on their final-year project at overseas institutions.

Career prospects

As a graduate with a degree accredited by the Institution of Mechanical Engineers, with working knowledge of a European language and with experience of living abroad for a year, you will be in a strong position to develop an international career based either in the UK or abroad.

Employment opportunities exist in both multinational companies and in the increasing numbers of British companies who trade extensively with mainland Europe and the US.

You may also be interested in

- Mechanical Design Engineering
- Mechanical Engineering
- Mechanical Engineering with Aeronautics
- Product Design Engineering



Mechanical Engineering with Aeronautics

This degree programme combines the breadth and wide appeal of mechanical engineering with the opportunities offered by advanced study of mechanical, aeronautics and aerospace subjects.

- Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.
- Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers and the Royal Aeronautical Society.

Degrees and UCAS codes

BEng (H3H4) – four years

MEng (H3HK) – five years

Accreditation

These degrees are accredited by the Institution of Mechanical Engineers and the Royal Aeronautical Society.

Ratings

Our Mechanical Engineering students report satisfaction levels of 93% in the National Student Survey 2011.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years three and four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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 mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics and properties of materials. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 2

In your second year you will study further basic engineering subjects all of which are compulsory – applicable mathematics, applied mechanics, design and manufacture, electrical power engineering, elements of thermodynamics for aerospace propulsion, engineering computing, introduction to aerodynamics, materials and power electronics.

Year 3

In your third year you will visit a number of industries in the UK and study more advanced engineering subjects – aerodynamics and fluid mechanics, aircraft performance, dynamics, control and fluid power, flight mechanics, materials and manufacture, mathematical modelling and simulation, mechanics of materials and structures, propulsion and turbomachinery, and software engineering.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from work.

Your selection for BEng or MEng depends on your progress record in your first three years.

In fourth year you will study a range of core mechanical engineering subjects and core aeronautics subjects, plus a choice of advanced options. You will also undertake a team aerospace design project. You will study the main mechanical engineering disciplines plus a programme of aeronautics beginning with an introduction to aerospace engineering, the incorporation of aeronautics design and project work, leading to a range of advanced mechanical and aeronautics options.

In fifth year (MEng only) an aerospace-focused individual project forms a major component of the programme.

Special features

A feature of the fifth year of the MEng programme is a flight-testing course in a Jetstream aircraft.

In addition to the aerospace design project you will also take part in a multidisciplinary integrated system design project. You will work in teams alongside students of other engineering disciplines.

Partnership and industry links

You will benefit from the close ties with industry developed by staff involved in the programme, with industrial case studies focused on the aerospace industries.

Our international links

You can apply to spend one year of your academic studies abroad at an accredited partner university. This would typically be in third year for BEng, or fourth year for MEng, students. In fifth year MEng students can work on their final-year project at overseas institutions.

Career prospects

The degree aims to allow students who wish to pursue a professional engineering career in mechanical engineering but who have a particular interest in aeronautical and aerospace engineering, to keep their career options open.

Graduates will have all the engineering and transferable skills of mechanical engineers with a strong additional speciality in aeronautics. Mechanical engineering graduates are well represented in aerospace industries and this degree provides enhanced employment opportunities in this sector.

You may also be interested in

- Mechanical Design Engineering
- Mechanical Engineering
- Mechanical Engineering (European Curriculum)
- Product Design Engineering

Mechatronics

Mechatronics is a fusion of mechanical, electrical, electronic and control engineering. Modern manufacturing industry depends for its success in global markets on its ability to integrate electronics, control, software and mechanical engineering into a range of innovative products and systems.

- This degree programme will provide you with the interdisciplinary approach necessary to achieve the coherent integration of these traditionally divided disciplines and will equip you for a career in industry.



M

Degree and UCAS code

BEng (H730) – four years

MEng (H731) – five years

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.

IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad

There are study abroad opportunities available in years three and four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

This degree programme will bring together aspects of all branches of engineering that contribute to mechatronics, notably mechanical, electrical, electronic and control engineering.

Year 1

In your first year you will take courses in mathematics and study engineering fundamentals including applied mechanics, dynamics, thermodynamics, properties of materials and electronics. These courses will form a solid foundation for development later in the degree programme and are supported by individual drawing and practical skills and group project and laboratory work.

Year 2

In your second year 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

In your third year 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

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degrees remain popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further

study after graduation, which can be done part-time from work. Your selection for BEng or MEng depends on your progress record in your first three years.

In your fourth and fifth years you will undertake a range of courses in engineering including courses in control, robotics and mechatronic systems. In addition you will take courses in the professional practice of engineers which include activities such as developing business plans, understanding the professional and legal requirements of being a professional engineer, and management.

In your final year you will undertake a major individual project which, for the MEng degree, may be undertaken in industry or on an industry-supported topic. The final year is completed with the study of a range of in-depth technical courses.

Special features

In fourth year you will take part in a multidisciplinary integrated system design project. As this project requires aspects of several major disciplines of engineering, you will work in teams alongside students of other engineering disciplines.

Partnership and industry links

The School of Engineering has excellent links with industry. Our major national and international joint research programmes are key providers of student projects and placements. Many engineering employers are involved in the University's prestigious Club 21 work-experience programme, which offers well-paid summer placements and, in some cases, sponsorship.

Our international links

You will be able to apply to spend one year of your academic studies abroad at an accredited partner university. This would typically be in third year for BEng, or fourth year for MEng, students.

MEng students will also be able to work on their final-year project at overseas institutions.

Career prospects

Graduates from this Mechatronics degree programme will have the interdisciplinary approach necessary to achieve the coherent integration of electronics, control, software and mechanical engineering. There is increasing industry demand for graduates who can work in an interdisciplinary engineering environment.

Graduates from the School of Engineering are always in demand and are well represented in manufacturing companies and a wide range of industries in this country and abroad. In addition, the skills our graduates will acquire are readily transferable to other spheres of activity. Some of our graduates can be found in the service industries and other areas of the business community.



Medicine

Medicine is about helping people – treating illness, providing advice and reassurance, and promoting good health. Medical career options are varied, ranging from hospital-based specialties such as surgery, to community-based specialties such as general practice. A degree in Medicine opens the door to careers in clinical research, and also to many other career opportunities.

- Your studies will take place in a purpose-built centre which provides an ideal learning environment. Right from the start you will get to practise clinical skills and make use of innovative technology.

Degree and UCAS code

MBChB (A100)
– five years

Accreditation

After satisfactory completion of the programme at the University, you will graduate with an MBChB and you will be entitled to provisional registration with the General Medical Council (GMC) with a licence to practise, subject to demonstrating to the

GMC that your fitness to practise is not impaired.

Following this, satisfactory completion of a foundation programme under the supervision of a consultant grants full registration, subject to demonstrating to the GMC that your fitness to practise is not impaired.

Entry requirements

UK entry requirements stated are the minimum entry requirements for applications. Qualifications

should be obtained within five years of the entry date.

Highers: Minimum of AAAAB at one sitting including Chemistry and Biology and either Mathematics or Physics.

Pass in SG English at Grade 2 or an Intermediate 2 pass in English or above is required.

Note: It is acceptable to take Chemistry or Biology as a crash Higher in S6 provided Grades AAAAB are obtained in

S5. (Minimum Grade B required in Chemistry, Biology, Mathematics or Physics Higher in S6.)

Candidates are not considered for entry to Medicine from S5. A candidate's performance in fifth year is most important and only those who obtain at least AAAAB in S5 will be considered from S6. Candidates are advised to study three subjects in S6. There are no specific requirements but candidates are

encouraged to study as widely as possible.

Conditions are likely to be set on S6 subjects, to be obtained at one sitting. Sixth-year results are taken into consideration on reapplying. Applicants would normally be expected to achieve the grades set as conditions in that admissions cycle.

Consideration will be given to applicants sitting Highers over two years (in S4 and S5), if it is the school's policy to do so,

but stringent conditions are likely to be placed on results achieved in S6.

A-levels: AAA in three A2 examinations at one sitting to include Chemistry and one from Biology, Maths or Physics. General studies is NOT acceptable as a third subject at A2. A GCSE pass in English at a minimum of Grade B is also required. If Biology is not studied at A2 level, it should be taken at AS level. Grade A is required.

Programme structure

The MBChB programme in Glasgow is based on integration of clinical and preclinical subjects, and on student-centred learning, and has a spiral course structure. This means that you will revisit topics on several occasions as you progress through the programme, each time with a more clinical focus and increasing depth. The programme produces well-rounded doctors with the potential and basic knowledge to pursue a career in any one of the medical specialties.

The programme is based around vertical themes that comprise the basic disciplines of medicine, such as anatomy and physiology, pathology and microbiology, clinical medicine and clinical surgery. Teaching methods include lectures, tutorials, problem-based learning, practical laboratory sessions and clinical bedside teaching.

The programme comprises four phases.

Phase 1

Phase 1 takes up most of the first semester. This is a broad sweep of biomedical subjects, and early clinical and vocational skills. During this phase you will acquire the fundamentals of biomedical science, and the skills necessary for self-directed learning. The themes covered in this section include homeostasis, basic anatomy, physiology and biochemistry, and the fundamentals of health and illness in communities.

Phase 2

Phase 2 takes up the second half of first year and all of second year. This is a system-based, integrated approach to biomedical sciences and basic clinical problems relating to individual systems.

Phase 3

Phase 3 takes up the third year, during which time you will move from the University campus to spend more time in the central Glasgow teaching hospitals. Through regular clinical bedside teaching you will develop clinical skills in the hospital and general practice environment. This is combined with more in-depth didactic teaching on the principles of medicine and surgery, the pathological basis of disease, and clinical investigation and laboratory analysis, including radiology, clinical biochemistry, pathology and microbiology.

During the summer vacations after third and fourth years you will be required to undertake two four-week periods of elective study. These are in subjects and locations of your choice and are designed to develop individual interests and to experience medical environments other than those provided on the programme.

Phase 4

Phase 4 comprises years four and five. This is the final part of the programme, during which you will be attached to clinical specialties, including obstetrics and gynaecology, child health, psychological medicine, general practice, and more specialised aspects of medicine and surgery. During this phase you will spend most of your time in hospital attachments in Glasgow and in the wider West of Scotland and learn the clinical and practical skills necessary to work as a junior doctor.

‘Studying medicine has been the single best choice I have made – it’s interesting, involves a lot of practical skills and should provide a fulfilling career. It’s a busy course and much of the learning is self-directed. This requires a lot of self-discipline and motivation but you soon get the hang of it.’

Elaine Brown, Medicine student



Biology and Human Biology are considered as equal subjects. We do not consider Mathematics and Further Mathematics as two separate subjects at A-level.

IB: Total Score of 36 to include Chemistry at a score of 6 at Higher Level and Biology at Higher Level with one from Maths or Physics at Standard Level. A minimum of 6 points in English at a minimum of Standard Level in the International Baccalaureate is also required.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Applying for Medicine

All applications must be received by UCAS by 15 October. Late applications are not normally considered. If applying for Medicine (A100) you must limit your choice to four medical schools only. If you apply to more than four medical schools, your application will not be

forwarded to institutions by UCAS.

You are encouraged to read the MBChB admissions policy and procedures document.

UKCAT

All applicants must complete the UK Clinical Aptitude Test (www.ukcat.ac.uk) by the deadline date in the same year as application. Information on how the UKCAT scores will be used in the admissions process is available at

www.glasgow.ac.uk/schools/medicine/courses/medicineadmissions/entryrequirements/ukcat.

Interviews

You may be invited to attend an interview. These take place from November until March with offers normally being made by late March each year. Candidates receiving offers are those who not only achieve the academic standards required but who also show they have seriously considered the

implications of a medical career and who display the characteristics desirable in a future doctor, as well as demonstrating a commitment, motivation and enthusiasm for a medical career. Although specific work experience in a hospital or general practice is not essential, it is important for all applicants to find out about the realities of a career in medicine. Meeting minimum entry requirements does not guarantee an interview.

Study abroad opportunities

There are study abroad opportunities available in years three and four.

Special features

As well as the core topics you may also choose a variety of student-selected components in second, third and fourth years. These allow you to personalise your learning experience and to pursue topics that are of special interest to you. A student-selected component may be linked to an elective to allow you to carry out projects overseas or to complete research projects.

If you do well in the first three years you may have the opportunity to undertake an intercalated BSc programme in one of several biomedical sciences. Intercalated BSc programmes last for one (BSc Med Sci) or two (BSc Honours) years and provide an excellent introduction to research. This is invaluable, in extending the educational experience, or if you are considering pursuing an academic career. On completion of the BSc programme you return to the MBChB programme.

Our international links

During the elective period of the programme you will choose a topic to study in greater depth either in Glasgow or elsewhere. Students who have arranged electives outside the UK and EU have travelled to the USA, Canada, Asia, Australia, the Caribbean and Africa.

Career prospects

Following your final examinations, there is a nine-week period of study in preparation of work experience in which you will shadow a foundation year 1 doctor. 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

Fitness to Practise

Where a programme of study requires the student to act in the course of practical training in a quasi-professional role in relation to patients, children, clients or service-users or where the qualification provides a direct licence to practise, the University has a duty to ensure that the student is fit to practise. Fitness to Practise is assessed not only in terms of academic attainment but also in accordance with relevant professional concerns and expectations. Students registered to study medicine are subject to separate Fitness to Practise procedures. A copy of the Code of Professional Conduct and Fitness to Practise will be made available to MBChB students.

Hepatitis B

Hepatitis B is a serious blood-borne virus (BBV). This can be passed between a doctor and patient. Healthcare workers must ensure that they do everything possible to protect themselves and their patients from this infection.

Students must complete a full course of immunisation against the Hepatitis B virus. The immunisation process can take up to nine months and applicants are therefore advised to commence this process at the earliest possible opportunity. However, it is not a requirement for students to have completed the immunisation process prior to registration. Please also note that your GP is NOT under obligation to immunise you.

Medical students can complete the full course of Hepatitis B immunisation by attending the University's Occupational Health Unit. This can

only be done once they are registered as a student. The immunisation process must be completed by 30 June of the first year of the programme. A candidate who has not satisfactorily completed their Hepatitis B immunisation will not be permitted to register and attend classes in the following session until such time as this has been satisfactorily completed.

Confirmation of a student's Hepatitis B Surface Antigen status is identified by the University's Occupational Health Unit's screening programme, prior to registration in September. No student will be registered without having this blood test. Identification of Hepatitis B in a potential student will not preclude registration to undergraduate Medicine. At the health screening, students will be tested for blood-borne viruses.

If you are concerned you may be at risk of being a carrier of the Hepatitis B virus or any other BBV you should have this checked immediately, and if positive, you must contact the Medical School as soon as possible so that discussion can take place on whether reasonable modifications would be required to be made within the undergraduate course.

Disclosure Scotland – Protection of Vulnerable Groups Scheme

If you are made an offer to the MBChB programme you will be required to undertake a Criminal Convictions check. It is your responsibility to pay for the check. Details regarding this process would be sent with an offer letter. No student will be registered without having undertaken this check.

Microbiology

Microbiology is the study of all aspects of microorganisms, which include bacteria, viruses, algae, fungi and protozoa. Some of these are very important as agents of infectious disease and others play an essential role in maintenance of the biosphere.

- Our Microbiology students report satisfaction levels of 95% in the National Student Survey 2011.
- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.

Degrees and UCAS codes

BSc (Hons) (C500)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry will be studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Microbiology students report satisfaction levels of 95% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

You will study the beneficial and detrimental activities of microorganisms, including the industrial, economic and environmental impact of microbiology. However, the main emphasis of the programme is directed towards an understanding of

- the mechanisms by which microbes cause disease and how they can be controlled
- how factors produced by the microbes, such as toxins and adhesins, play a role in the disease process
- whether these factors might be suitable for inclusion in vaccines, to protect against disease.

This involves the study of the structure and function of these factors and the genetics of their production. Antibiotic resistance is an increasing problem in combating disease and the mechanisms of microbial resistance to these agents and the development of novel antimicrobials is also covered.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of microorganisms, infection and immunity and practical microbiology. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will cover many aspects of microbiology with particular emphasis on infectious diseases and medical microbiology.

In third year you will study the spectrum of infectious diseases, immune responses and the biochemistry and molecular biology of microorganisms and parasites. The third year is run as a joint course with the Parasitology and Virology degree programmes.

In fourth year you will choose from a range of specialised advanced courses of which at least two must be in microbiology. You will undertake a research project in your final year under the supervision of a researcher. Many of the projects are available in neighbouring institutions, for example in hospitals or local industries. You will also write an extended essay and prepare a scientific poster.

Special features

Microbiology can be taken as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

In third year a field course at the Marine Biological Station at Millport in the Firth of Clyde provides practical training in aspects of epidemiology. In fourth year there is an optional fieldwork course in marine microbiology.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Our graduates are employed in many different industries, including public health and hospital laboratories, with pharmaceutical companies, water and river authorities, in the food industry, and in the dairy, petroleum and brewing industries. In addition, some graduates remain in education or research institutes to continue their research studies.

Mobile Software Engineering

This degree programme is designed for computing science students who wish to specialise in the development of software systems for mobile, embedded platforms such as mobile phones, personal digital assistants or portable entertainment systems, such as iPods.

- Our computing science students report satisfaction levels of 98% in the National Student Survey 2011.
- We provide our students with excellent work experience opportunities. You may be able to work throughout the UK as well as in Europe and the US.



M

Degree and UCAS code

BSc (Hons) (G602)
– four years

MSci (I300) – five years

Accreditation

Honours graduates are eligible for membership of the British Computer Society (MBCS) and, after relevant industrial experience, you can apply to become Chartered IT Professionals (CITP).

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher Mathematics at B or Higher Mathematics at C together with Higher Computing Studies or Information Systems at B.

A-levels: ABB.

Normally have A-level Mathematics at B or above.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our computing science students report satisfaction levels of 98% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

Year 1

In your first year you will take an introductory programming course that emphasises the principles of programming and a course on computing fundamentals.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year you will study Java programming, object-oriented software engineering, data structures and algorithms, algorithmic foundations, computer systems and information management.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four), you will study courses that present a practical, design-oriented approach to computing, covering software engineering itself and related topics such as embedded systems, databases, human-computer interaction and real-time systems.

Practical work is an essential part of the degree programme and in third year you will take part in a mobile software engineering team project, using state-of-the-art mobile computing equipment.

Fourth-year individual projects have a mobile software engineering focus and allow you to explore some topics in more depth.

Mobile Software Engineering can be taken as an MSci, which includes an additional year. Students on the MSci programme follow the BSc Honours degree programme up to the end of their fourth year of study. This is followed in fifth year by additional advanced modules and a substantial research-oriented project.

Special feature

We provide our students with excellent work experience opportunities. You may be able to work throughout the UK as well as in Europe and the US and many of the organisations who offer placements use the experience to get to know students well, which often leads to permanent job offers. Organisations who have employed our students include: IBM, Amazon, Memex, Real Time, Google, Reuters, JP Morgan, Goldman Sachs, Morgan Stanley, Nokia, Orange and Microsoft Research.

Partnership and industry links

The University enjoys excellent industrial links with the top companies in this area, which provides us with access to state-of-the-art mobile equipment and expertise.

Our international links

Students who wish to study abroad usually do so during their second year and we have exchange agreements in place with a variety of internationally leading universities across Europe. You can also spend a year abroad in North America, Australasia or at strong universities in any other country.

Career prospects

Our graduates are in demand in all sectors of business and industry and find challenging opportunities to work in companies ranging from large multinationals to small start-up companies developing innovative products. The effects of software running on mobile devices are having an impact on all areas of life. An understanding of the specific challenges and opportunities of mobile device development is important not just for manufacturers, but for software service companies, advertisers, government and education. Graduates from this degree programme are uniquely placed at the forefront of developments in this field.

You may also be interested in

- Computing Science
- Computing Science & Physiology (Neuroinformatics)
- Electronic & Software Engineering
- Software Engineering



M

Molecular and cellular biology is central to modern medicine, both to the study of disease and to the development of new therapies. And with recombinant DNA technology, it offers great promise to agriculture through improved crop characteristics, and to the development of sustainable bio-energy.



Molecular & Cellular Biology

Molecular and cellular biology is a unified way of studying living systems. It combines the disciplines of 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.

- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.



M

Degrees and UCAS codes

BSc (Hons) (C720)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Molecular & Cellular Biology can be studied as a single subject or you can specialise in either Molecular & Cellular Biology with Biotechnology or Molecular & Cellular Biology with Plant Science – see following entries.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of genetics, proteins and nucleic acids. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) 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.

The degree programme reflects the fusion of biochemistry, genetics and cell biology. It can be applied to the study of all organisms, from humans to plants, bacteria and viruses. In fourth year you will learn to study and interpret primary data from current molecular and cellular biology research and you will choose from a range of specialised advanced courses, including molecular biology of cancer, cell function, the molecular basis of disease, stem cells, biotechnology and the molecular biology of plants.

You will also have the opportunity to undertake a research project under the supervision of a researcher, the results of which sometimes contribute to scientific publications.

Special features

Molecular & Cellular Biology can be taken as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

You will gain hands-on experience of modern laboratory techniques.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme. Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs. The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Our graduates are employed in the pharmaceutical, biomedical or 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.

You may also be interested in

- Molecular & Cellular Biology (with Biotechnology)
- Molecular & Cellular Biology (with Plant Science)

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.



Molecular & Cellular Biology (with Biotechnology)

Biotechnology is a multidisciplinary science that seeks to optimise the utilisation of microorganisms, animals, plants and their cellular components in industrial, medical and agricultural processes and in environmental management. The development of biofuels is very topical. At Glasgow, the focus is on teaching the molecular sciences and methods that underpin biotechnology.

- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry into Medicine.

Degrees and UCAS codes

BSc (Hons) (C110)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of genetics, proteins and nucleic acids. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will study a broad spectrum of molecular topics in your third year 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 fourth year you will learn to study and interpret primary data from current molecular biology and biotechnology research and you will choose from a range of specialised advanced courses. These include some general molecular topics such as the molecular biology of cancer, the molecular basis of disease and stem cells.

You will also study one or two advanced biotechnology topics:

- biotechnology
- plant biotechnology.

You will have the opportunity to undertake a research project under the supervision of a researcher, the results of which sometimes contribute to scientific publications.

Special features

Molecular & Cellular Biology (with Biotechnology) can be taken as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

You will gain hands-on experience of modern laboratory techniques.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Many of our students opt to undertake further study at postgraduate level in order to pursue careers in scientific research in academic institutions, or in laboratories of industries with a biotechnology or biomedical base. Others find employment in

- industries based in biotechnology, pharmaceuticals and agrochemicals
- the health service, such as in hospital laboratories.

You may also be interested in

- Molecular & Cellular Biology
- Molecular & Cellular Biology (with Plant Science)

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.

Molecular & Cellular Biology (with Plant Science)

Plant science combines a broad range of approaches to understand how plants function in the natural world.

- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry into Medicine.



M

Degrees and UCAS codes

BSc (Hons) (C200)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year, you will be introduced to the study of genetics, proteins and nucleic acids. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) 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 also have the opportunity to undertake a research project under the supervision of a researcher, the results of which sometimes contribute to scientific publications.

Special features

Molecular & Cellular Biology (with Plant Science) can be taken as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

You will gain hands-on experience of modern laboratory techniques.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme. Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional

financial support from the EU, to cover additional travel and living costs. The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Our graduates move into a wide variety of careers or to advanced study either in the UK or abroad. 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.

You may also be interested in

- Molecular & Cellular Biology
- Molecular & Cellular Biology (with Biotechnology)

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.



Music (BEd)

This four-year professional degree programme is designed for those wishing to become music teachers and is the main route into music teaching in Scotland.

- This degree is unique in Scotland because it qualifies you to teach in both primary and secondary schools.
- The programme is offered jointly by the University and the Royal Conservatoire of Scotland.

Degree BEd (Hons) – four years

Entry requirements
Entry requirements are set by the Royal Conservatoire of Scotland. Visit www.rcs.ac.uk for further information.

Applying
This programme is offered jointly by the University and the Royal Conservatoire of Scotland. Application is made through CLUKAS (www.cukas.ac.uk) to the Royal Conservatoire which also awards the degree. As the Royal Conservatoire is entirely responsible for selecting and interviewing students, you should contact them to enquire about admissions procedures and progress of your application.

Interview policy
No applicant can be admitted to this programme without interview and audition. Interviews/auditions are normally held between January and April in the session prior to admission, although other arrangements may be made in exceptional circumstances. On receipt of your application you will be invited to attend an audition/interview. At the same time you will be provided with additional

information regarding the nature of the audition/interview.

Disclosure Scotland
If you are accepted to a teaching degree you must undertake a Criminal Convictions check prior to enrolment. It is your responsibility to pay for the check. Details will be sent to you.

Ratings
In the most recent independent survey of research quality, the 2008 Research Assessment Exercise, music research at Glasgow was rated top in Scotland.

Programme structure

In recent years the way in which music is taught has changed. Throughout secondary schools, music teaching is becoming more pupil-centred, more practical and much more individualised. To prepare you to cope with these demands your music education will run in parallel with your teacher education, both parts of the programme being equally important.

All aspects of the programme recognise the changes which have taken place in the teaching of music, and the skills and musical expertise taught on the programme will stand you in good stead in the teaching profession and also in the wider world of music. The programme is modular in structure and has three main areas of study.

Music studies

In this area the emphasis is on performance (including versatility on piano), creative studies and the history of music. You will receive one-to-one tuition on your performance study instrument and also, in the first three years, keyboard skills and piano accompaniment skills will be taught in small groups.

The main areas of study are

- performing skills, including practical musicianship, keyboard and accompanying skills
- compositional studies, instrumental sound resources, arranging and orchestration
- Music technology, including sound recording, multi-tracking and MIDI
- History of music, including contemporary musical studies.

Education studies

Within this area there are two major strands of activity: preparation for teaching and school experience, and learning and teaching.

The main areas of study are

- primary and secondary education, including preparation for teaching and school experience
- how children learn
- assessment and evaluation
- aspects of the curriculum and how it develops
- guidance and pastoral care
- special needs in music education, including the education of the musically gifted
- aspects of the Scottish education system and its changing context
- educational and information technologies.

School experience

This is integral to the programme and is designed to enable you to develop the professional skills of music teaching at all levels. You will have the opportunity to develop your skills as a classroom teacher alongside the development of your music skills. During the first year of the programme, your school placements are in primary schools; in subsequent years you will be involved in teaching pupils at all stages of the secondary school.

Religious education

For those teachers who wish to teach in Catholic schools, there is a course in Religious Education which leads to the award of the Catholic Teacher's Certificate in Religious Education.

Special feature

Uniquely this degree provides a dual qualification, enabling you to teach music in both primary and secondary sectors.

Our international links

This programme offers the opportunity to study for some of your time at Trinity College, Dublin and the Royal Irish Academy of Music. The Royal Conservatoire of Scotland has exchange agreements with a number of other conservatoires across Europe and the USA.

Career prospects

This programme is the main route into music teaching in Scotland, although, like any other degree-level qualification, it may be used as the basis for further study or for graduate-level employment.

You may also be interested in

- Music (BMus)
- Music (MA)

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.

- Our music students report satisfaction levels of 94% in the National Student Survey 2011.
- If you are admitted to this programme, you will be given a bursary towards the cost of private instrumental or vocal tuition.
- Glasgow is the UK's first UNESCO City of Music.



M

Degree and UCAS code

BMus (W302) – four years

Entry requirements

Admission to the BMus is subject to an audition and interview in addition to meeting qualification requirements. Applicants are encouraged to give a full and specific account of their musical interests in their UCAS personal statements and be prepared to discuss these at the interview.

In order to be called for audition, applicants must be proficient on a solo instrument or voice with at least a Merit at ABRSM Grade 8; alternatively, applicants should provide evidence of comparable performing ability and proficiency in reading staff notation. Applicants are encouraged to provide a URL pointing to video evidence of their performance ability; please note that this is not compulsory, though it may help support an

application particularly for applicants without a Grade 8 qualification. See details of the audition and interview below.

Highers: ABB including Music. Merit in Grade 7 practical and theory exams of the Associated Board of the Royal Schools of Music will be considered as an equivalent to Higher Music at Grade B.

A-levels: ABB including Music. ABB in non-Music subjects plus Merit in Grade 7 practical and theory exams of the Associated

Board of the Royal Schools of Music will also be considered.

IB: 34 points. Merit in the BTEC HND in Classical Music will also be considered.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Interviews

For audition, applicants are requested to prepare two short pieces to a total

duration of approximately 10 minutes. At least one of these should be from the Western classical repertoire.

If you consider yourself primarily a popular, jazz, or traditional music performer, please bear in mind that we are looking for evidence of awareness and performing ability of Western classical repertoire, in addition to these idioms. In this case it may be necessary to demonstrate your performance ability in two

different idioms, which could involve performing on different instruments.

The audition will involve a small sight-reading test.

Ratings

Our music students report satisfaction levels of 94% in the National Student Survey 2011.

Study abroad

There are study abroad opportunities available in year three.

Programme structure

Year 1

In first year you will take courses in

- musicianship
- performance
- listening and repertory
- orchestration.

You will also take one course taken from topics such as

- aesthetics and philosophy of music
- opera
- jazz and blues
- romantic song
- J S Bach.

Year 2

In second year you will take courses in

- musical techniques
- composition
- performance.

You will also choose to study other topics such as

- sonic arts
- aesthetics and philosophy of music
- musical culture in the long 19th century
- jazz and blues
- romantic song
- J S Bach
- analysis.

Years 3 and 4

In the later 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 can also take the dissertation option, which allows you to pursue a research topic of your choice.

Special features

We promote music-making throughout the University and provide opportunities for you to take part in a wide range of musical activity.

The city of Glasgow hosts around 127 musical events from rock gigs to classical and choral performances every week.

Our international links

You can spend up to a year of your degree studying abroad, normally in the third year. Previous students have chosen to study at the University of Miami, University of British Columbia, University of Illinois, Radford University, University of Melbourne and the University of California LA.

Career prospects

The BMus degree provides a sound foundation for careers in music administration, journalism, publishing, performance, composition, librarianship, research and teaching. It also provides strong transferable skills applicable to a wide range of careers outside music.

You may also be interested in

- Music (BEd)
- Music (MA)
- Electronics with Music

The open and thoughtful environment of the University of Glasgow provides the space and time for you to learn to think for yourself and discover your own musical values and direction.



Music (MA)

If you have ability in music and an interest in its cultural background and technique then this programme is for you.

- In each year of the course 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.
- In the most recent independent survey of research quality, the 2008 Research Assessment Exercise, music research at Glasgow was rated top in Scotland.
- Glasgow is the UK's first UNESCO City of Music.

Degree and UCAS code

MA (Hons) (W300)
– four years

Joint Honours

At Honours level, Music (MA) can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB (including Music) in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

Merit in Grade 7 practical and theory exams of the Associated Board of the Royal Schools of Music will be considered as an equivalent to Higher Music at Grade B. There is no audition for MA entry.

A-levels: ABB including Music.

ABB in non-Music subjects plus Merit in Grade 7 practical and theory exams of the Associated Board of the Royal Schools of Music will also be accepted. There is no audition for MA entry.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Interviews

Applicants without evidence of Music may be considered on an individual basis following interview.

Ratings

In the most recent independent survey of research quality, the 2008 Research Assessment Exercise, music research at Glasgow was rated top in Scotland.

Our music students report satisfaction levels of 94% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Year 1

Initially you will take two courses that act as a foundation for future study in music. The Listening and repertoire course introduces you to the study of key musical works and widens your listening through a broad historical survey. This is taught via lectures and tutorial groups. Through particular attention to works and composers, you will learn about how pieces of music are structured and organised. You will learn to identify different historical styles and gain a sense of how and why music has changed from the medieval period to the present day.

The Musicianship course enhances your practical skills, music literacy, and critical skills, through group exercises and lectures. If students struggle with the technical side of music, plenty of help is on offer. You will be helped with harmony and counterpoint and composition; sight singing, music analysis, and writing about music. You will also explore the science of musical sound and technological aspects of music.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

All students are required to take a course in musical techniques which helps you with the core musical disciplines of harmony and counterpoint and stylistic composition. In addition, you choose one course (or two if continuing to Music Honours) reflecting your own preferences and strengths. Most students choose a history topic (such as Bach, opera, romantic song or jazz and blues), plus possibly composition, sonic arts, or aesthetics.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

If you successfully complete the courses in the first and second years you have the opportunity to study at Honours level (third and fourth years). In each year of Honours you will be given a choice of courses to take.

Year 3

In third year you can make up a curriculum from the following areas:

- historiography and criticism
- sonic arts
- composition
- musical techniques (intermediate)
- jazz and blues
- aesthetics and philosophy of music
- analysis
- modernist musical aesthetics
- opera – taught in conjunction with Scottish Opera and includes visits to the Theatre Royal
- performance (subject to successful audition).

Year 4

In fourth year you can choose from

- film music
- composition
- contemporary music ensemble
- sonic arts
- multimedia
- notation
- performance
- performance practice
- aspects of modernity
- the music of Scotland.

In your final year you will also be able to write a dissertation. This is an extended piece of research and writing on a topic of your own choice and for which you will receive one-to-one supervision.

Special features

We promote music-making throughout the University and provide opportunities for you to take part in a wide range of musical activity.

The city of Glasgow hosts around 127 musical events from rock gigs to classical and choral performances every week.

Our international links

You can spend up to a year of your degree studying abroad, normally in the third year. Previous students have chosen to study at the University of Miami, University of British Columbia, University of Illinois, Radford University, University of Melbourne and the University of California LA.

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.

You may also be interested in

- Music (BEd)
- Music (BMus)
- Electronics with Music

Neuroscience

The brain is possibly the most complex structure in the universe and we still know very little about how it works. Neuroscience is the study of the brain and the rest of the nervous system – including both normal and abnormal function and structure – in humans and other animals.

- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.



N

Degrees and UCAS codes

BSc (Hons) (B140)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of human physiology, human anatomy, pharmacology and neuroscience. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will take courses that will provide you with an overview of

- human biology
- the central nervous system
- molecular biology
- developmental biology.

You will also have lectures specific to your chosen area of interest, and practicals and tutorials in neuroscience.

In fourth year you will study four specialised neuroscience-related topics chosen from the Honours options. You will also complete a research project carried out under the supervision of a member of academic staff, and a dissertation.

During the programme you will gain hands-on experience of practical techniques including

- experimental design
- ways of gathering data
- statistical analysis of data.

You will also develop personal skills in collecting and presenting information in formal and informal environments.

Special features

You can take Neuroscience as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

You will gain hands-on experience of modern laboratory techniques.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

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.

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.



Nursing

Nurses form the largest group of staff in the NHS and are a crucial part of a healthcare team. Nurses work in every sort of health setting from accident and emergency to working in patients' homes, with people of all ages and backgrounds.

- Nursing at Glasgow is ranked top in the UK for student satisfaction, with our students reporting satisfaction levels of 98% in the National Student Survey 2011.
- 100% of our nursing graduates are either in work or further study.

Degree and UCAS code

BN (Hons) (B700) – four years

Entry requirements

Highers: ABBB which should normally include two Science subjects from Chemistry, Biology/Human Biology, Physics and Mathematics. A degree of flexibility may be permitted in the subject mix but applicants who do not possess Higher Grade Chemistry should normally

possess a pass in Standard Grade Chemistry and Physics at Grade 1/2. A pass in Standard Grade English is also required.

A-levels: BBB including two Science subjects from Chemistry, Biology/Human Biology, Physics and Mathematics. If Chemistry is not offered, then a GCSE pass in Chemistry or Science at grade B will be required.

IB: Total score of 32 points including Chemistry or Biology at a score of 6 at

higher level. Applicants who do not possess Chemistry at Higher Level should possess Chemistry at Standard Level. A minimum of 6 points in English at Standard Level is also required.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Interviews

Before an offer is made, applicants who meet the minimum entry requirements may be invited for an interview. Interviews take place from January until March with offers normally being made by late March/early April each year. Please note that meeting minimum entry requirements does not guarantee an interview. Experience of caring for individuals, either paid or voluntary, is essential.

Ratings

Nursing at Glasgow is ranked top in the UK for student satisfaction, with our students reporting satisfaction levels of 98% in the National Student Survey 2011.

Scholarship opportunities

Bachelor of Nursing Scholarships are available to international students studying Nursing at Glasgow. For details of all scholarship opportunities see www.glasgow.ac.uk/scholarships.

Programme structure

Year 1

In your first year you will study a range of subjects including nursing, health studies, social sciences, biological sciences, and moral philosophy and ethics. The focus of your study in first year is the healthy individual. However, you will have the opportunity to care for adults during the summer in a hospital setting.

Year 2

You will study adult nursing (the core subject), life science subjects and social science subjects.

Life science subjects include

- Anatomy and physiology
- Biochemistry
- Pharmacology
- Nutrition
- Human biology.

Social science subjects are

- Community nursing
- Health promotion
- Social policy
- Research and ethics.

You will also have the opportunity to experience nursing first-hand in a hospital setting (adult medical and surgical nursing), and also in the community setting (district nursing, health visiting and public health nursing).

Year 3

The BN is offered as both a three-year programme and a four-year Honours programme. You will follow the same curriculum in third year, whether you are on the three- or four-year degree.

You will study

- professional, ethical and moral issues
- the application of information systems and nursing responsibilities related to specific drug treatments
- a course in human disease and pathology, which is taught by internationally renowned clinicians
- a research methods course that develops your awareness of research and the relevance of research for nursing practice
- advancing clinical skills that will help prepare you for opportunities in clinical practice

Year 4

If you are studying for a degree with Honours you will undertake a period of study over two semesters which incorporates the final 12 weeks of clinical practice consolidation. You will have the opportunity to investigate an area of interest related to clinical practice through a written dissertation. You will take courses on nursing policy in context and management for health care which will ensure that you have an understanding of health policy as it relates to nursing care, the factors affecting the delivery of health care and the key concepts of supporting future students in nursing.

Special feature

You will have a personal adviser who will be available for pastoral guidance and support and assistance with study skills. During periods of clinical practice you will be supported by a named registered nurse mentor with clinical teaching support provided by a member of academic staff.

Career prospects

100% of our Nursing graduates are either in work or further study.

The Bachelor of Nursing 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.



‘Due to the School of Nursing’s dynamic focus on research and sciences, Bachelor of Nursing students graduate with world-class nursing skills, enabling them to build on research excellence that informs and improves learning, practice and policy.

‘In an ever-advancing world of nursing and medical science, University of Glasgow nursing graduates are at the forefront of influencing the delivery of contemporary healthcare and health policy through high-quality research and education.’

Kim Di Camillo, Nursing graduate

Important information

Fitness to Practise

Where a programme of study requires the student to act in the course of practical training in a quasi-professional role in relation to patients, children, clients or service-users or where the qualification provides a direct licence to practise, the University has a duty to ensure that the student is fit to practise. Fitness to Practise is assessed not only in terms of academic attainment but also in accordance with relevant professional concerns and expectations. Students registered to study nursing are subject to separate Fitness to Practise procedures. A copy of the Code of Professional Conduct and Fitness to Practise will be made available to BN students.

Hepatitis B

Hepatitis B is a serious blood-borne virus (BBV). This can be passed between a nurse and patient. Healthcare workers must ensure that they do everything possible to protect themselves and their patients from this infection.

Students must complete a full course of immunisation against the Hepatitis B virus. The immunisation process can take up to nine months and applicants are therefore advised to commence this process at the earliest possible opportunity. However, it is not a requirement for students to have completed the immunisation process prior to registration. **Please also note that your GP is NOT under obligation to immunise you.**

Nursing students can complete the full course of Hepatitis B immunisation by attending the University’s Occupational Health Unit. This can only be done once they are registered as a student. The immunisation process must be completed by 30 June of the first year of the course. A candidate who has not satisfactorily completed their Hepatitis B immunisation will not be permitted to register and attend classes in the following session until such time as this has been satisfactorily completed.

Confirmation of a student’s Hepatitis B Surface Antigen status is identified by the University’s Occupational Health Unit’s screening programme, prior to registration in September. No student will be registered without having this blood test. Identification of Hepatitis B in a potential student will not preclude registration to undergraduate Nursing.

If you are concerned you may be at risk of being a carrier of the Hepatitis B virus or any other BBV you should have this checked immediately, and if positive, you must contact the relevant School (Medical/Nursing & Health Care/Dental) as soon as possible so that discussion can take place on whether reasonable modifications would be required to be made within the undergraduate course.

Disclosure Scotland – Protection of Vulnerable Groups Scheme

If you are admitted to the BN programme you will be required to undertake a Criminal Convictions check prior to registration. The Scottish Government will pay for checks for nursing students.



Parasitology

Parasitology deals with a wide range of infective agents, ranging from the microscopic protozoans that cause malaria and sleeping sickness to large parasitic worms.

- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.

Degrees and UCAS codes

BSc (Hons) (C111)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and will be encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of microorganisms, infection and immunity and practical microbiology. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will study the range of pathogens from bacteria, viruses and protozoan parasites, to helminths and fungi. We take a modern approach to understanding the basic biology of the pathogens, during which you will learn about virulence mechanisms, strategies for becoming established in the host, immunopathology, the host's immune response to pathogens, control methods including diagnosis, vaccinology and chemotherapy, and drug resistance.

You will be trained in modern methods of cell biology, biochemistry, immunology and molecular biology as applied to infection biology. The third year is run jointly with the Microbiology and Virology degree programmes.

Our fourth year course takes the basic knowledge learned in third year as a foundation and builds on it through further analysis and discussion. The course is made up of

- four five-week Honours options
- a research project carried out under the supervision of a member of academic staff
- an oral presentation of the research project
- an essay
- a scientific poster.

Special features

You can take Parasitology as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree. Eligible students apply for the MSci programme at the end of second year.

The University has particular strengths in parasitology, with several world-class research centres dedicated to the subject. This provides teaching from a wide range of disciplines and

exposure to research ranging from epidemiology of parasitic diseases to the immunology of the infections and the biochemistry and molecular biology of the parasites themselves.

In third year a field course at the Marine Biological Station at Millport in the Firth of Clyde provides practical training in aspects of epidemiology and parasitology.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

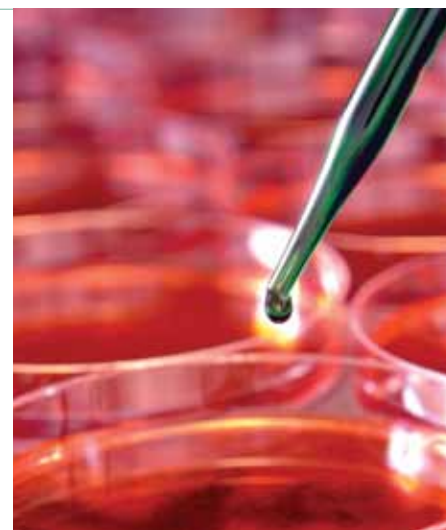
A large number of our students take up research studentships, either in parasitology, or subjects encountered during their studies including immunology or molecular biology in universities or research institutions throughout the UK. Many have gone on to successful careers in health, international development, teaching or in the commercial sector.

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.

Pharmacology

Pharmacology is the study of drugs and the mechanism of drug action.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.



P

Degrees and UCAS codes

BSc (Hons) (B210)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Pharmacology is the study of drugs – what they do and how they do it. To a pharmacologist, the definition of a drug is not confined to substances used solely as medicines, but includes substances produced within the body, such as hormones; food additives; agricultural compounds such as insecticides; and even animal venoms and toxins.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of human physiology, human anatomy, pharmacology and neuroscience. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will study the principles on which pharmacology is based, the effects and mechanisms of action of the major drugs, and undertake specialised study of molecular, cardiovascular and neuropharmacology.

The strength of this programme is its integrated nature, as it incorporates the fundamentals of anatomy, physiology and biochemistry into pharmacology.

As part of the programme you may

- participate in a full research project
- have the opportunity to take part in a work placement within the pharmaceutical industry either during the course or in a summer research placement.

Our third-year course will introduce you to the basic principles of quantitative pharmacology and provide you with basic practical skills and an introduction to laboratory techniques.

The fourth-year course consists of

- a research project carried out under the supervision of a member of academic staff
- four advanced level Honours option courses lasting five weeks each
- review lectures and seminars.

The project gives you a real opportunity to contribute to the development of the subject and the results sometimes contribute to scientific publications.

By the end of your final year you should be thoroughly familiar with all aspects of drug action as well as being able to originate ideas and hypotheses for new experiments, and to design and execute a series of experiments to test them.

Special feature

You can take Pharmacology as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Our international links

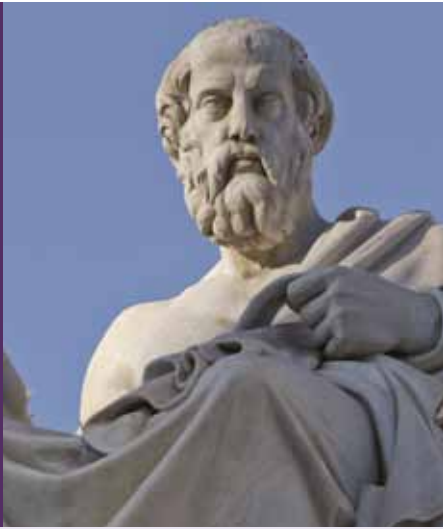
Every year a number of our students go on work placements to prestigious companies such as AstraZeneca, GlaxoSmithKline and Pfizer.

Fraser Waterson, a Pharmacology student, spent a summer working in Boston, Massachusetts for Genzyme Corporation. He says, 'I went to work for Genzyme Corporation, which is a pharmaceutical company that bases its work on rare genetic diseases. There is no other drug company that provides treatments for some of these diseases, so some patients are really relying on Genzyme to live. I was given tasks that were completely different to anything I had ever experienced. The main project I worked on was a long-range capacity plan, where the company assess all of their current facilities and try to predict how needs might change in order to ensure they have enough resources to be able to keep providing important drugs in the future.'

Career prospects

Our graduates are well respected and many former students now hold senior positions in academia and the pharmaceutical industry. The emphasis on practical training combined with our commitment to training in relevant generic skills makes this degree a sought after qualification. The majority of graduates continue with their academic/research studies and gain MSc and PhD qualifications before moving into employment.

Please note that Pharmacology is not the same as pharmacy and this degree does not qualify you as a pharmacist.



Philosophy

Philosophy is the systematic attempt to arrive at clear answers to profound questions by studying and assessing the arguments and answers that have been offered in 2,500 years of philosophical speculation.

- Our Philosophy students report satisfaction levels of 95%, according to the National Student Survey 2011.
- Glasgow has a flourishing undergraduate philosophy society: discussion and debate thrives.

Degree and UCAS code

MA (Hons) (V502)
– four years

Joint Honours

At Honours level, Philosophy can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Philosophy at Glasgow has a 95% rating for student satisfaction in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Year 1

In the first year, you will be introduced to key problems in moral and political philosophy, and in philosophy of mind and knowledge. In moral philosophy you will consider questions such as the objectivity of morality and the ways that ethics is applied in the study of difficult practical problems.

In political philosophy you will consider the nature of our obligation (if any) to obey the government and where this obligation comes from. You will also consider theories concerning the relationship between the mind and the world: how do we come to know about the existence of a reality outside of the mind? Is the mind distinct from the body? The course will also examine how we can distinguish between good and bad arguments.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will focus on two courses: one broadly based on theory of knowledge, the other on moral and political philosophy.

- Philosophy 2M – morality, politics and religion will further your studies in moral and political philosophy.
- Philosophy 2K – knowledge, meaning and inference focuses primarily on questions about knowledge.

You will also begin the study of logic, which is essential to a systematic understanding of the structure of knowledge, and of the way in which questions of language and meaning enter into philosophy.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four).

You may take Honours either as a Single Honours student specialising entirely in Philosophy or as a Joint Honours student, taking Philosophy in combination with another subject. Whichever you choose, the Honours programme involves two years of study (Junior and Senior Honours).

You will choose courses from core areas of philosophy including the theory of knowledge, the philosophy of mind, philosophy of language, philosophy of religion, metaphysics, logic, moral philosophy and political philosophy, as well as a wide range of options taught by specialist researchers. The topics of Senior Honours courses are generally ones in which we have research strengths and which will give you the opportunity to familiarise yourself with 'state of the art' thinking.

In Senior Honours you have the opportunity to write a dissertation.

Special feature

Philosophy at Glasgow hosts reading parties for students in third year and fourth year, usually in the Highlands, and has a flourishing undergraduate philosophy society.

Our international links

We encourage our students to study abroad (usually during the Junior Honours year). We have Socrates/Erasmus exchange schemes with the Universities of Barcelona, Augsburg and Helsinki. Countries in which Philosophy students have studied under other exchange programmes include: USA, Canada, Australia, New Zealand, Hong Kong, Denmark and Finland.

Career prospects

In studying philosophy you will develop many transferable skills and attributes which will be valuable in almost any career. These include evaluating arguments and interpreting texts, the ability to be analytical, precision of thought and expression, and the capacity to question assumptions.

Some of our graduates go on to study for postgraduate degrees in Philosophy and some of these become professional philosophers teaching in universities.

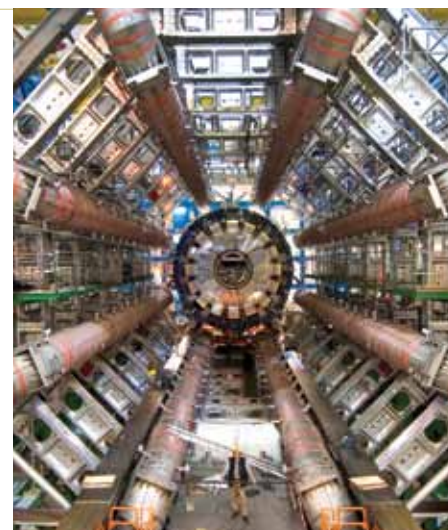
Our recent Philosophy graduates have been employed by

- Ayr College, lecturer
- Hydrogen Group, recruitment consultant
- Beijing School, English teacher
- Hop Scotch Films, TV researcher.

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. The laws of physics form the basis of most branches of science and engineering and are the foundation of modern technology.

- Our Physics and Astronomy students report satisfaction levels of 93% in the National Student Survey 2011.
- In the most recent independent survey of research quality, the RAE 2008, physics and astronomy at Glasgow was rated in the top ten in the UK.



Degrees and UCAS codes

Physics

BSc (Hons) (F300)
– four years

MSci (F301) – five years

Theoretical Physics

BSc (Hons) (F344)
– four years

MSci (F340) – five years

Accreditation

All programmes containing physics are accredited by the Institute of Physics.

Joint Honours

At Honours level, Physics can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher at B or above in Physics and Mathematics.

A-levels: ABB, including B or above in Physics and Mathematics.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one

year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Physics and Astronomy students report satisfaction levels of 93% in the National Student Survey 2011. In the most recent independent survey of research quality, the RAE 2008, physics and astronomy research at Glasgow was rated in the top ten in the UK.

Study abroad opportunities

There are study abroad opportunities in year two.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In first year you will gain a basic understanding of the core topics in theoretical physics, receive an introduction to the methods of experimental physics and obtain a solid foundation for further study of the subject. Courses you will typically study are dynamics, wave motion, properties of matter, thermal physics, optics, electricity and magnetism, and quantum physics.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will extend and deepen your broad physics education, undergo further training in more specialised experimental techniques and expand your awareness of the latest developments in modern physics research.

Courses you will typically study are physics of waves, dynamics, physics of solids, thermal physics, electricity and magnetism, nuclear and particle physics, physics of optics, and mathematical techniques.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four) you will continue to study in greater depth core topics spanning all areas of physics, from sub-atomic particles to optics and electromagnetism, explore a range of specialist topics of your choice – including highlights of the very latest cutting-edge research – and undertake project work, often within a world-leading research group.

The main components of the Honours programme include

- quantum mechanics – the study of the behaviour of the microscopic universe
- electricity and magnetism – the behaviour of stationary and moving charges and their interactions with electric and magnetic fields
- optics and photonics – the study of lasers and non-linear optics
- relativity – how the universe appears to observers moving close to the speed of light
- nuclear and particle physics – the elementary particles of nature and their interactions
- solid state physics – the physics of a wide range of solid materials, including semiconductors.

An important emphasis of the Physics degree programmes is on technological applications such as laser physics, semiconductor physics and devices, modern signal processing technology and magnetic and superconducting materials.

If you choose the Theoretical Physics degree your Honours programme will focus on more advanced theoretical topics. Additionally, you will undertake specialised computational project work.

There is an opportunity to take an MSci degree which explores core and optional physics topics in greater depth. In the final year of the MSci degree you will carry out an individually supervised project working at the cutting edge of international research. 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.

Partnership and industry links

The University is part of the Scottish Universities' Physics Alliance (SUPA), a group of eight university physics and astronomy departments which aims to place Scotland at the international forefront of research in physics and astronomy.

Our international links

The School of Physics & Astronomy has strong international links across a wide range of research fields. Many of our staff play leading roles in major international research projects, such as the Large Hadron Collider at CERN and the worldwide collaboration searching for gravitational waves. You will have the opportunity to undertake part of your degree abroad.

Career prospects

Employers are competing for good physics graduates at a time when there is a worldwide shortage, making employment prospects for physics and astronomy graduates very good. The scientific knowledge and mathematical and analytical skills you acquire could find you working across a wide range of industries including aerospace, electronics, semiconductors, petroleum, communications, computing, medical physics, education, commerce and civil service – both in scientific and administrative areas.

You may also be interested in

- Astronomy
- Chemical Physics
- Physics with Astrophysics



Physics with Astrophysics

In this degree programme the study of physics is pursued with particular focus 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.

- Our Physics and Astronomy students report satisfaction levels of 93% in the National Student Survey 2011.
- In the most recent independent survey of research quality, the RAE 2008, physics and astronomy at Glasgow was rated in the top ten in the UK.

Degrees and UCAS codes

BSc (Hons) (F3F5)
– four years

MSci (F3FM) – five years

Accreditation

All programmes containing physics are fully accredited by the Institute of Physics.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher at B or above in Physics and Mathematics.

A-levels: ABB, including B or above in Physics and Mathematics.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Physics and Astronomy students report satisfaction levels of 93% in the National Student Survey 2011. In the most recent independent survey of research quality, the RAE 2008, physics and astronomy research at Glasgow was rated in the top ten in the UK.

Study abroad opportunities

There are study abroad opportunities available in year two.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In first year you will gain a basic understanding of the main topics in theoretical physics and will be introduced to the methods of experimental physics, thereby providing a solid foundation for further study in physics.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The second year will extend your broad physics education, providing training in more specialised experimental techniques and expanding your awareness of the latest developments in 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.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four) you will continue to study core topics in greater depth but will also study specialist subjects of your choice in depth and will undertake project work, often within a world-leading research group.

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.

There is an opportunity to take an MSci degree which explores core and optional physics and astrophysics topics in greater depth. In the final year of the MSci degree you will carry out an individually supervised project working at the cutting edge of international research. 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.

Special feature

Astronomy lectures are complemented by our observatory, planetarium and telescope facilities. The University also maintains close links with the Glasgow Science Centre, home of one of the UK's best planetariums.

Partnership and industry links

The University is part of the Scottish Universities' Physics Alliance (SUPA), a group of eight university physics and astronomy departments which aims to place Scotland at the international forefront of research in physics and astronomy.

Our international links

The School of Physics & Astronomy has strong international links across a wide range of research fields. Many of our staff play leading roles in major international research projects, such as the Large Hadron Collider at CERN and the worldwide collaboration searching for gravitational waves. You will have the opportunity to undertake part of your degree abroad.

Career prospects

Our graduates are employed in many areas including industry, national research laboratories, the financial sector and education. Many graduates choose to study for a postgraduate degree before entering the job market.

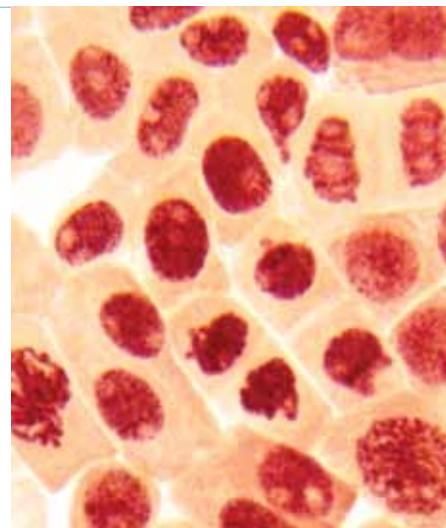
You may also be interested in

- Astronomy
- Chemical Physics
- Physics/Theoretical Physics

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.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.



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Degrees and UCAS codes

BSc (Hons) (B120)
– four years

MSci – five years

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

Joint Honours

We offer a Joint Honours degree programme in Physiology & Psychology (BC18) – see Psychology entry requirements (page 159) for admission to this Joint Honours programme.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of human physiology, human anatomy, pharmacology and neuroscience. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will learn about the major organ systems of the body, including

- cardiovascular
- respiratory
- alimentary
- central nervous system.

You will also study other topics such as the properties of excitable cells and mechanisms regulating the internal environment of the body. You will be introduced to a wide range of experimental techniques, as well as methods for analysing and presenting experimental results.

The fourth-year course builds on the broad background you will have obtained in third year by covering several topics in physiology in depth. An important component of the fourth year is an Honours project carried out under the personal supervision of a member of staff.

Special feature

You can take Physiology as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

As a graduate you will have a number of direct paths open to you:

- physiologists work with clinical colleagues in the investigation of diseases
- neurophysiologists study the brain
- cellular physiologists study how individual cells work
- sports physiologists work with athletes and dieticians.

Others may study development, ageing, disease, extreme conditions (like high altitude and space) or the cardiovascular system.

Physiology provides a broad scientific education, which allows our graduates to pursue a career in research or work in related subjects and in areas such as universities and the pharmaceutical industry, scientific publishing or public health.

Recent graduates have gone on to train as teachers, nurses, doctors and dentists. Several have taken postgraduate courses in dietetics, metabolism and physiotherapy.

This degree does not lead to any direct qualification in physiotherapy but graduates may enter these fields with further training.

You may also be interested in

- Computing Science & Physiology
- Physiology & Sports Science
- Physiology, Sports Science & Nutrition



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. This is one of the most rigorously scientific of all sports science degrees offered in the UK.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.

Degrees and UCAS codes

BSc (Hons) (BC16)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

This degree programme emphasises the scientific study of human performance in sport and exercise. There are three main strands – physiology, psychology and biomechanics. Our programme is taught by physiologists and sports scientists, while other experts from within and outside the University provide additional teaching in drugs in sport, statistics, nutrition, and the contribution of exercise to public health.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of human physiology, human anatomy, pharmacology and neuroscience. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will be able to take courses which integrate the physiology, psychology and biomechanics of sport with statistics, the study of elite performance, adaptations to exercise, causes and management of injury, and the interactions of diet, physical activity and genetics on public health.

You will

- study the physiological adaptations to exercise, nutrition and energetics, focusing on the cardio-respiratory and skeletomuscular systems
- complete specialist courses in statistics and molecular biology techniques.

In fourth year you will choose four five-week courses to study in depth. At the same time you will carry out a research project supervised by a member of academic staff. Many projects are in sport and exercise science topics (with either physiological or psychological emphasis), but others are based elsewhere in the University.

Special features

You can take Physiology & Sports Science as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation in the UK or overseas. They happen between third year and the final year of the degree.

Your final year can include working as an intern with sports professionals to give you relevant work experience.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

Sports science graduates are successful in a wide variety of careers. They are employed in research projects, and in testing and advising professional athletes and recreational exercisers as well as those exercising to improve their health. This includes those working with government agencies who aim to improve public health.

There are also considerable opportunities for non-specialist employment in a wide range of jobs. Recent graduates have entered teaching in schools and colleges and a variety of business careers. Other popular options include postgraduate courses to qualify in medicine or dentistry or as some other para-clinical specialist such as a physiotherapist or nutritionist. Some graduates have extended their education before working to support elite athletes through the Scottish and English Institutes of Sport and professional sports clubs.

Note

Sporting proficiency is not essential for admission to the programme, nor does the programme involve you directly in sport.

You may also be interested in

- Physiology
- Physiology, Sports Science & Nutrition

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.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- This programme is particularly suited to graduate entry to Medicine.



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Degrees and UCAS codes

BSc (Hons) (BC46)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

There are three main strands to this programme – physiology, psychology and biomechanics. You will be taught by physiologists and sports scientists, while other experts provide additional teaching in drugs in sport, statistics, nutrition, and the contribution of exercise to public health.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of human physiology, human anatomy, pharmacology and neuroscience. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours, in third year you will

- study the physiological adaptations to exercise, nutrition and energetics, focusing on the cardio-respiratory and skeletomuscular systems
- complete specialist courses in statistics and molecular biology techniques.

In fourth year, you will specialise in nutrition, and sports and exercise nutrition. We would emphasise that the programme is primarily aimed at producing good nutritionists. In our

view, the most able sports nutritionists are those with the best grounding in the subject of nutrition. Courses include

- Food and nutrient requirements through the lifecycle
- Digestion, absorption and nutritional metabolism
- Exercise and sports nutrition
- Dietary assessment and nutritional epidemiology.

These courses cover topics such as

- introduction to nutrition and sport
- nutritional aspects of growth, development and ageing
- food nutrients and dietary reference values
- digestion and absorption
- energy balance and body composition
- dietary assessment techniques
- food choice and eating behaviour
- public health nutrition
- nutrition and exercise in populations
- nutritional strategies and problems in sport.

You will also carry out a substantial research project. Much of the fourth year course is designed to be self-directed learning and you will be given opportunities to increase your critical, statistical, computing and communication skills. Team work is also a major theme.

Special features

You can take this programme as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation in the UK or overseas. This happens between third year and the final year of the degree.

There are very few programmes of this kind available at undergraduate level.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme. Under the Erasmus scheme you will study at a major European university, for three to ten months. The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

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. This degree also allows you to enter the wide range of other graduate careers including accountancy and teaching. Several of our graduates have gone on to undertake postgraduate study in dietetics, physiotherapy or other specialist training or have gone on to study for a PhD.

Sporting proficiency is not essential for admission to the programme, nor does the programme involve you directly in sport. This degree does not lead to State Registration in Dietetics but graduates may enter this field with further training.

You may also be interested in

- Physiology
- Physiology & Sports Science

‘The content of the programme was fresh, relevant and most importantly delivered by academics who were experts in their relevant fields. Further to this, the staff were all very approachable and grounded, willing to help with even the most minor of problems. The lecturers were always willing to accept challenges to their ideas and hear counter-arguments, which led, ultimately, to a great environment in which to study.’

Darren Duffy, Politics graduate



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.

- You will have the opportunity to apply to undertake a year's academic exchange in a comparable department in an overseas university.



Degree and UCAS code

MA (SocSci) (Hons) (L202) – four years

Joint Honours

At Honours level, Politics can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

You will study the ideas which inform and explain political activity alongside political institutions and behaviour.

At all levels of study, politics is a subject that is open to interpretation and debate. Our methods of teaching, therefore, are based largely on classroom discussion. You will attend lectures that identify themes and then explore these themes in depth during seminars.

You will be posed ethical questions such as

- What are the role and limits of state power?
- What is a 'good society'?
- What obligations does one nation have to another?

You will also consider empirical questions such as

- How do we explain differences in political institutions and culture?
- What is the nature of the international system as a whole?

Year 1

Initially you will study two courses:

- Introduction to liberal democracy – deals primarily with the British, Scottish and European political systems.
- Comparative politics – deals with a number of different countries using a comparative analytical framework.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

Your second year will also comprise two courses:

- History of political thought – examines political thought from the ancients, primarily Aristotle, through Machiavelli, Hobbes and Locke to Rousseau and Karl Marx.
- International relations – uses some of the ideas of important writers to explain aspects of the international order.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second years you may progress to two further years of study for an Honours degree.

You can choose to take Politics on its own as a Single Honours degree, or in combination with another subject as a Joint Honours degree. Single Honours students are required to take a general paper and a dissertation, plus nine courses chosen from a range of options over two years.

There are about 30 courses you can choose from during Honours, taught by academic staff who specialise in the themes and topics covered.

Special feature

The study of media and politics is complemented by strong links with newspapers, broadcasters and film-makers.

Our international links

We have a long-standing and active programme of International Exchange. Each year, we welcome dozens of students from countries around the world who come to take courses at Glasgow. At the same time, our Politics students have the opportunity to spend their third year studying at universities around the world, including the United States, Australia and Canada.

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Career prospects

Through debate, written essays and projects, the study of politics will develop your analytical skills and writing abilities, equipping you for a wide variety of careers.

Popular career destinations for our graduates include:

- the media
- teaching
- the civil service
- the charity sector
- the armed forces.

You may also be interested in

- Central & East European Studies
- Economic & Social History
- Public Policy
- Sociology



Primary Education

A career as a primary teacher is both complex and demanding. You will be required to match your understanding of how a child develops with the very wide and structured curriculum in which the teacher has to be competent.

- This programme will qualify you to teach 3-12-year-olds as a primary or nursery teacher.
- At least 32 weeks of the four-year programme will be spent working in schools.

Degree and UCAS code

BEd (X120) – four years

Accreditation

This programme leads to registration with the General Teaching Council for Scotland.

Entry requirements

Highers: AAB/ABBB including English at B or above. Must have Standard Grade Mathematics at Grade 1 or 2.

A-levels: BBB. Must have English Language and Literature at GCSE at C plus GCSE Mathematics at B or better.

IB: 32 points, including HL English Grade 4 and SL Mathematics Grade 5.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Disclosure Scotland

If you are accepted to a teaching degree you must undertake a Criminal Convictions check prior to enrolment. It is your responsibility to pay for the check. Details will be sent to you.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Programme structure

Years 1 and 2

You will take the following courses:

Educational values

In your first year you will take courses in Educational values for the self and Educational values for self, school and society with a focus on the child. In your second year you will take courses in Educational values for the teacher and Educational values through the curriculum.

Learning how to learn and

Learning how others learn (year 1 only)

These courses are aimed at developing your academic and communication skills along with your intellectual abilities in order to fully engage in your coursework.

Theology in education 1 (year 1)

Theology in education 2 (year 2)

This course is rooted in the traditions of Catholic Christianity with a focus in years 1 and 2 on the study of theology.

You will also select a Liberal Arts course in years 1 and 2. These will allow you to study a broader range of disciplines and contribute to your own professional and intellectual development.

Years 3 and 4

In your third and fourth years you will be involved in developing your skills and abilities as an emerging professional committed to lifelong development through courses on curriculum development, educational change and the emerging enquiring professional.

Special feature

Religious Education (RE)/Religious & Moral Education (RME) is a key component in primary education in Scotland in all schools. Catholic students will be eligible for the Catholic Teacher's Certificate in Religious Education.

Partnership and industry links

At least 32 weeks of the four-year programme will be spent working in schools. This will take the form of single or serial days in the early stages of the programme and will develop into block placements of several weeks in schools. Ultimately, you will take responsibility for a considerable part of the work of a class. You will have the opportunity to undertake placements in all stages of the primary school and also in a nursery school.

Our international links

In your third year you may be able to apply to study abroad, provided you achieve good grades in first and second years. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme. Under the Erasmus scheme you will study at a major European university, normally for 12 weeks or a full semester. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs. We have exchange agreements with universities in France, Spain, the Netherlands, Germany, Austria and Finland.

The International Exchange Programme is under development, but we are in discussions with universities in the USA, Canada, Australia and New Zealand. Exchanges to universities in those countries would normally be for a year, although exchanges of a semester may be considered.

Career prospects

Home/EU graduates are eligible for one year's induction experience in a Scottish primary school. It is expected that there will be an increasing demand for new entrants to the teaching profession in primary schools in Scotland and elsewhere. Opportunities exist for career progression within schools and more widely in posts such as HM Inspector and education adviser.

Note

The Scottish Government expects the University to provide adequate numbers of teachers to teach in Catholic schools in Scotland. This particular programme provides support for, and emphasis on, the initial teacher education of those who intend to teach in Catholic schools. The design of the programme necessarily reflects the denominational sector requirements and prospective applicants should consider this before applying. Applications from all qualified candidates are welcomed. In the selection procedures, priority is given to those who indicate, in their personal statement, their intention to teach in Catholic schools and to seek the Catholic Teacher's Certificate in Religious Education.

You may also be interested in

- Primary Education with Teaching Qualification

Primary Education with Teaching Qualification (Dumfries Campus)

This groundbreaking, four-year degree programme, approved by the General Teaching Council of Scotland, is benchmarked against the highest international standards of excellence. It is the only one of its kind in the UK, unique in that it is creative, innovative and developmentally based.

- As well as developing your knowledge of the primary school curriculum and acquiring teaching skills, you will also study courses from the other disciplines available at the campus, including environmental studies, languages, health, social studies and humanities subjects.
- At least 32 weeks of the four-year programme are spent working in schools. The programme links closely to the Curriculum for Excellence.



Degree and UCAS code

MA (Hons) (X123)
– four years

Accreditation

This programme leads to registration with the General Teaching Council for Scotland.

Entry requirements

Highers: AAB or ABBB including English. Must have Standard Grade Mathematics at Grade 1 or 2.

A-levels: BBB. Must have English Language and Literature at GCSE at C plus GCSE Mathematics at B or better.

IB: 32 points, including HL English Grade 4 and SL Mathematics Grade 5.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

How to apply

All full-time undergraduate applications must be made through UCAS. There is an application fee for this service. You should apply online at www.ucas.com or through your school or college. You can contact UCAS on +44 (0)871 468 0468 to establish how to apply.

Interview policy

As part of our selection process you will be interviewed. Interviews normally begin in November and run until April.

Disclosure Scotland

If you are accepted to a teaching degree you must undertake a Criminal Convictions check prior to enrolment. It is your responsibility to pay for the check. Details will be sent to you.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

You will gain a teaching qualification and develop transferable skills such as professional conduct, innovative thinking and independent learning, which will prepare you for the role of the primary teacher. To enrich your learning experience and provide you with a broad knowledge base, you will also choose additional courses from the other disciplines available at the campus.

School experience

This element of the programme aims to develop your awareness of all aspects of the work and organisation of a primary school. You will start with one day per week in semester 1 of year 1, building to a ten-week block in year 4 when you will take full responsibility for the class for a minimum of four of those weeks – an excellent preparation for your career as a primary teacher.

Year 1

You will take the following core courses:

- Child development 1
- Maths: theory and pedagogy 1
- Text and communication
- Literacy 1.

There are two school experience placements in your first year:

- One day a week for a minimum of six weeks (semester 1)
- Four full weeks in middle primary (P4/5) (semester 2).

Year 2

You will take the following core courses:

- Child development 2
- Maths: theory and pedagogy 2
- Issues in contemporary society
- Literacy 2.

There are three school experience placements in your second year:

- Three full weeks in pre-five sector (prior to semester 1)
- One day per week for four weeks, linked to Child development 2 (semester 2)
- Four full weeks (semester 2).

Year 3

You will take the following core courses:

- Maths: theory and pedagogy 3
- Literacy 3
- Curriculum and assessment
- Teachers and teaching.

There are two school experience placements in your third year:

- Four full weeks focusing on religious and moral education (prior to semester 1)
- Four full weeks focusing on expressive arts (semester 2).

Year 4

You will take the following core courses:

- Education in its wider context
- The teacher as a professional.

You will also undertake a dissertation of 10,000 words on a topic chosen by you and approved by your tutor.

Your school experience placement will be ten full weeks in semester 2 and will focus on science. You will take full responsibility for the class for a minimum of four weeks

Career prospects

Primary teaching is a highly valued, people-centred profession. Primary teachers not only contribute to the education and development of their pupils but also make a wider contribution to schools and local communities. The qualification is transferable, enabling you to teach outside Scotland too.

After qualification, you are guaranteed one full year of employment to complete your probationary period. (Conditions apply. See www.gtcs.org.uk/home/students/teacher-induction-scheme-faq.aspx for more information.) Thereafter, continuing professional development is supported by employers and other course providers. There are opportunities for development in leadership and management, specialist subject study areas and further postgraduate study and research.

The programme works in partnership with Dumfries & Galloway Council.



Product Design Engineering

The product design engineering programme creates design engineers whose strength lies in their capacity for creative synthesis and the development and design management of engineering and consumer products.

- This degree is jointly delivered by the University and The Glasgow School of Art and integrates the science of engineering with the activity of designing.
- Our BEng and MEng degrees are accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers.

Degrees and UCAS codes

BEng (H3W2) – four years
MEng (H3WG) – five years

Accreditation

These degrees are accredited by the Institution of Mechanical Engineers and the Institution of Engineering Designers.

Entry requirements

BEng

Highers: AAAB in first sitting, including Mathematics and Physics = unconditional offer.

Applicants who achieved between BBB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: ABB including Mathematics and Physics.

IB: 32 points including 5 in HL Mathematics and HL Physics.

MEng

Highers: AAAB/AAAA in first sitting including Mathematics and Physics at AB/BA = unconditional offer.

Applicants who achieved between BBB and AABBB/AAAB at their first sitting may receive a conditional or unconditional offer once

all applications have been reviewed in March 2013. Conditional offers will include the requirement of BA or AB in Mathematics and Physics.

A-levels: AAB including Mathematics and Physics.
IB: 34 points including 5 in HL Mathematics and HL Physics.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard MEng degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year four.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

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

Years 1 and 2

In the first two years of the degree you will take courses in mathematics and study engineering fundamentals including applied mechanics, fluid mechanics, dynamics, thermodynamics and properties of materials. These courses will form a solid foundation for development later in the degree programme and are supported by individual practical skills and group project and laboratory work. These courses are complemented by design studies at the Glasgow School of Art which aim to develop creativity, exploration and expressions of ideas, and to build confidence in the design process.

Year 3

The third year develops and integrates the application of theory through structured projects. The amount of studio work at the Glasgow School of Art will increase. You will study more advanced engineering subjects at the University – materials and manufacture, dynamics, control and fluid power, heat transfer, mathematical modelling and simulation, and mechanics of materials and structures.

Years 4 and 5

The main route to becoming a fully chartered engineer is through the MEng degree, which usually takes five years. The BEng degree remains popular and can normally be completed in four years. To become a fully chartered engineer with a BEng degree requires further study after graduation, which can be done part-time from

work. Your selection for BEng or MEng depends on your progress record in your first three years.

In the final year of the BEng, you will be in a position to propose your own programme of individual product development and prototyping leading to concept and detailed design proposals. This accounts for the majority of your study in fourth year. You will also study advanced subjects in engineering, management and design.

In fourth year of the MEng degree you will study the same taught courses as for the BEng, complemented by a group design project, in which you will work together with mechanical engineering and mechanical design engineering students. Studio activities at The Glasgow School of Art will be continued and you will study advanced subjects in engineering, management and design. For the majority of the final year you will work on a programme of individual product development and prototyping proposed by you, leading to concept and detailed design proposals.

Special features

A key feature of this degree programme is the joint teaching between the School of Engineering and The Glasgow School of Art.

Before you start your final-year project you will go on a field trip, visiting a number of industrial locations throughout the UK. In addition you will also take part in a multidisciplinary integrated system design project. You will work in teams alongside students of other engineering disciplines.

Partnership and industry links

The relationship between this degree programme and industry is strong and we try to maximise the opportunities to work with industry during the studio programme. As you work closely with industry in your final years, the degree programme has an excellent record of employment in industry.

Our international links

As part of the MEng programme there is the possibility that you spend the fourth year in Trondheim, Norway. We are currently establishing links with universities in the Netherlands and in Australia to provide similar possibilities.

Career prospects

Career prospects are excellent, with opportunities ranging from leading international companies through design studios and the possibility to establish your own business. Our recent product design engineering graduates have been employed by

- Core PD, product designer
- Red Button Design, technical director
- Selex Galileo, graduate mechanical engineer
- Space Right Europe Ltd Graduates for Business, graduate marketing assistant
- ULMA Packaging Industry, product design engineer.

You may also be interested in

- Mechanical Design Engineering
- Mechanical Engineering
- Mechanical Engineering (European Curriculum)
- Mechanical Engineering with Aeronautics

Psychology

Psychology is the scientific study of people: how they think, act, react and interact. It is concerned with all aspects of behaviour (normal and abnormal) and the thoughts, feelings and motivations underlying such behaviour.

- Our Psychology students report satisfaction levels of 92% in the National Student Survey 2011.
- Our Honours degrees are all accredited by the British Psychological Society, allowing you to pursue a professional career in psychology after appropriate further training and experience.



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Degrees and UCAS codes

BSc (Hons) (C800)
– four years

MA (Hons) (C801)
– four years

MA (SocSci) (Hons) (C802) – four years

Accreditation

All our Single and Joint Honours programmes are accredited by the British Psychological Society as conferring eligibility for Graduate Membership

of the Society with the Graduate Basis for Registration, providing the minimum standard of qualification of second class Honours in the Psychology component is achieved. This is a first step towards becoming a Chartered Psychologist.

Joint Honours

At Honours level, Psychology can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint

Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been

reviewed in March 2013.
A-levels: ABB, preferably with two science subjects.
IB: 32 points.

MA

Highers: AAAB in first sitting = unconditional offer.
Applicants who achieved ABBB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.
IB: 34 points.

MA (SocSci)

Highers: AAAA in first sitting = unconditional offer.
Applicants who achieved ABBB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.
IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Psychology students report satisfaction levels of 92% in the National Student Survey 2011.

Study abroad

There are study abroad opportunities available in year three.

Programme structure

Years 1 and 2

In your first two years you will study the way the brain controls behaviour and thought, the role of modern imaging techniques in studying the brain and the psychology of how groups interact. You will learn about the main areas of psychology: developmental, social, cognitive, brain and behaviour, experimental design and statistics, abnormal, perception and visual cognition, individual differences and applied psychology.

You will also study other subjects in years 1 and 2 according to your interests – see pages 36-42 for details.

Year 3

If you successfully meet our criteria for success in the courses in first and second years, you may progress to Honours (years 3 and 4). In your third year you will take courses in cognition, concepts and historical issues in psychology, human development, perception and visual cognition, individual differences, professional skills (employability), social psychology, statistics and physiological psychology.

Year 4

In the final year you will choose from a large number of options ranging from brain imaging techniques to the application of psychology to forensics, therapeutic interventions and employment. You will also complete a critical review of research literature in an area of your choosing, and a major piece of research. This research may be lab-based (eg using one of our eyetrackers or specialised computer software) or carried out in the 'real world' of organisations, schools or hospitals.

Special features

Apart from attending lectures, you will also have a tutorial each week, and there is a practical element involving a series of experiments that are mostly carried out within a suite of dedicated computer spaces in our well-equipped labs.

Our international links

Each year a number of our students choose to study abroad through our exchange programmes with North American and Australian universities. This mostly occurs in the third year of study for Honours.

Career prospects

Psychologists are probably best known for their work in the health and education services, but psychology graduates can be found in almost any area of life. A psychology degree opens up a wide range of career opportunities, and new areas such as sports psychology and environmental psychology are being developed all the time.

The main career areas are: • clinical psychologists, working in health and care settings • counselling psychologists, in private practice and commercial settings • educational psychologists, in local education authorities, schools and special schools • forensic psychologists, working in penal establishments, special hospitals and with young offenders • health psychologists, working in hospitals, health authorities and health research departments • neuropsychologists, helping people with brain injury • occupational psychologists, in management, personnel, training, selection and careers services • research and teaching in institutions of higher education.

A third of our graduates who go into permanent employment as psychologists enter public services such as the health service, education, the civil service and the armed forces. A third go into industry or commerce to work on market research and personnel management. Of the remainder, about a tenth will teach and research in schools, colleges and universities.

Our recent Psychology graduates have been employed by

- CTC Psychological Services, assistant psychologist
- Glasgow Council on Alcohol, alcohol and drugs prevention and education worker
- Maudsley Institute, psychologist
- NHS Ayrshire and Arran, assistant clinical psychologist
- NHS, assistant psychologist
- National Health Centre Local Office, health consultant
- North Bristol Trust, NHS, assistant psychologist
- Strathclyde Police, analysis researcher
- University of Glasgow, research assistant
- University of Edinburgh, research assistant
- The Children's Trust, pupil development assistant.



Public Policy

Public policy is the study of the major policy issues affecting society today, such as how best to deal with crime, what to do about homelessness, and how to provide adequate benefits and pensions to those who need them.

- This programme deals with vital issues for the future of this country and it provides a challenging intellectual training with a strong vocational orientation.

Degree and UCAS code

MA (SocSci) (Hons)
(L430) – four years

Joint Honours

At Honours level, Public Policy can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

A major characteristic of public policy is its applied focus, so it is directly relevant to today's living. It is about both theory and practice. This subject will be familiar to you if you have taken Modern Studies, Politics or Sociology at school.

Year 1

Initially you will focus on the famous Beveridge Report of 1942, which identified the 'Five Giants' of want, disease, squalor, ignorance and idleness. You will examine policies and services such as health and social security, which were created to eradicate postwar social problems.

You will also have the opportunity to study newer social problems, such as homelessness, juvenile delinquency and drug misuse.

You will conclude with a look at the future of key policy areas.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The second year aims to build on material outlined in the first year, introduce key concepts and principles and address important issues in public policy. You will examine

- different ideologies such as collectivism, anti-collectivism, feminism and greenism
- how policy is made
- how policy is delivered
- various case studies, which are all informed by our current research.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second years you may progress to two further years of study for an Honours degree. You can choose to study Public Policy on its own for a Single Honours degree or in combination with another subject for a Joint Honours degree. There are four core courses for Single Honours students:

- Policy analysis and evaluation
- Policy design and delivery
- Social research and investigation
- Dissertation.

Joint Honours students who wish to write their dissertation in an area of public policy must also take the course Social research and investigation.

Over the two Honours years you will also choose subjects from a diverse range of topics to suit your interests. These options include

- crime and safety
- disability and society
- health policy and health services
- housing policy
- urban policy
- education for citizenship
- active citizenship (includes a placement in a welfare agency)
- ideological concepts and values
- welfare ideologies
- labour markets, work and welfare.

Our international links

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Career prospects

Public policy deals with vital issues for the future of this country and it provides a challenging intellectual training with a strong vocational orientation. It provides students with the transferable skills that most employers are looking for.

Our graduates pursue careers in the public, private and voluntary sectors, including

- management and personnel in commerce and industry
- journalism
- local and central government, especially housing and planning
- social work
- teaching
- health services administration.

You may also be interested in

- Central & East European Studies
- Economic & Social History
- Health & Social Studies (Dumfries Campus)
- Politics
- Sociology

Religious & Philosophical Education

This degree programme will qualify you to teach religious education, theology, religious, moral and philosophical studies or religious studies in secondary schools.

- At least 35 weeks of the four-year programme will be spent working in schools.
- This programme will also be of benefit if you are involved in the development of new school and college programmes in philosophical studies.



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Degree and UCAS code

MA (Hons) (VX61)
– four years

Accreditation

This programme leads to registration with the General Teaching Council for Scotland.

Entry requirements

Highers: AAB/ABBB including English at B or above.

A-levels: BBB. English Language and Literature at GCSE level grade C or above must be included.

IB: 32 points, including HL English Grade 4 and SL Mathematics Grade 5.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Interview policy

As part of our selection process you will be interviewed. Interviews normally begin in mid to late January and run until April.

Disclosure Scotland

If you are accepted to a teaching degree you must undertake a Criminal Convictions check prior to enrolment. It is your responsibility to pay for the check. Details will be sent to you.

Programme structure

You will study three main elements.

Theology, religious studies and philosophy

You will develop the critical and analytical skills required to address the major cultural, theological and spiritual issues of our time. You will be able to take a number of optional courses in philosophy, theology and religious studies.

Professional and education studies

You will explore, in the context of Scottish education, how pupils learn and how educators teach most effectively.

School experience

You will be provided with the opportunity to work in the classroom and develop competence in dealing with children. You will also develop skills in curriculum planning, assessment, reporting, management and organisation.

Special feature

Catholic students who complete the appropriate course in Religious Education will be awarded the Catholic Teacher's Certificate in Religious Education.

Partnership and industry links

At least 35 weeks of the four-year programme will be spent working in schools. This will take the form of block placements of several weeks in schools, with weekly days in University to continue with professional studies.

Our international links

This degree is also widely recognised for entry into secondary school teaching in other English-speaking countries.

Career prospects

As a teacher of religious and philosophical subjects, you will play a vital role in preparing young people to live in, and contribute to, a world of rapid social and economic change, where a breadth and depth of understanding of diverse cultures may be seen as essential.

It is expected that there will be an increasing demand for new entrants to the teaching profession in secondary schools in Scotland and elsewhere in the coming years. The degree is also widely recognised for entry into secondary school teaching in other English-speaking countries.

Opportunities exist for career progression within schools and more widely in posts such as education adviser and in teacher education. You may pursue postgraduate study and professional development at certificate, diploma, masters and doctoral levels.

‘The most appealing thing about my course is that it enabled me to take theology and philosophy classes that both interested me and furthered my learning in subjects that I am passionate about, while also allowing me to gain my teaching qualification at the same time rather than doing a postgraduate degree later. There is an ongoing supportive and inclusive learning environment. Both staff and students are always willing to help each other whether it’s during university timetable or while on school placements.’

Marcela Foong, Religious & Philosophical Education student



Russian

Russian will be of interest to those who enjoy studying foreign languages and discovering new and exciting cultures. Russian language and culture have become extremely relevant in the post-Communist world and many contacts are flourishing between Russia and Western Europe.

- You will immerse yourself in the Russian language and culture, most significantly through a year spent abroad before you take up Honours in Russian.
- Your studies will go far beyond the language and into the film, literature, history and culture of Russia.

Degree
MA (Hons) – five years

Joint Honours
Russian is only taken as a Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements
Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Study abroad opportunities

You will spend the third year of this programme abroad, gaining experience that will complement your Honours years.

Programme structure

You can study Russian language without any prior knowledge. But that is only the beginning: later you will be able to choose options from a wide range including literature and culture, history, women's writing, and the media.

Year 1

To enter Russian in first year you should be able to demonstrate some flair for language learning. Preferably, you should already have studied another European language. The pace of study is rapid and this allows you to achieve a high level of competence within one year.

Initially you will develop your communicative skills of speaking, writing, reading and understanding the spoken word. You will learn how the language works as a grammatical system, and be introduced to simple examples of literary and other types of text.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The following year involves a more formal study of selected texts and develops communicative skills and knowledge of the Russian linguistic system.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Year 3

It is essential that you spend your third year abroad to gain admittance to Honours.

If you are taking Russian as a Joint Honours subject with another language, you may opt to spend your third year either in Russia or in a country where the other language is spoken. If you choose to do the latter, you will then spend the spring term of your Junior Honours year (year four) in Russia.

Years 4 and 5

If you successfully complete the Russian courses in first and second years, you may progress to Honours Russian. Russian may only be taken as a Joint Honours Degree, meaning that you will also study another subject from a wide range.

Once you reach Honours, we place a strong emphasis on the achievement of 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 particular interests.

Special features

Excellent audio-visual and IT facilities are available to support both the language and the wider cultural aspects of the programme, and emphasis in teaching is given to the development of both oral and written skills.

At all levels, elements of tuition are given by native speakers of Russian.

Our international links

You will spend a year abroad before beginning Honours Russian. Our students usually enrol at a foreign university. The University will provide support with arranging this.

Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

Statistics and career advisers both confirm that our graduates' prospects are in some instances very much better than those for other arts graduates. Russian is one of six languages in use by the United Nations, and Russia's economic and diplomatic links with the UK and Europe mean excellent opportunities are being created both in the UK and abroad.

Notes

No prior knowledge of Russian is required.

You may also be interested in

- Central & East European Studies
- Comparative Literature
- French
- German
- Hispanic Studies
- Italian
- Spanish

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.

- Our History students report satisfaction levels of 94% in the National Student Survey 2011.
- We have the largest Scottish history teaching and research unit in the country, yet we offer as much small group teaching as possible.



S

Degree

MA (Hons) – four years

Joint Honours

Scottish History can only be taken as a Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

History at Glasgow has a 94% rating for student satisfaction in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

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 artistic sense.

Year 1

In your first year you will take a course that introduces you to the history of Scotland. The course offers you a fresh and stimulating approach to the major forces instrumental in the shaping of politics, society and culture in Europe and will explore the rich diversity of the period covered. 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
- Covenanting revolution
- Cromwellian conquest
- Commerce with Europe and America
- Industrialisation
- 20th-century Scotland
- The widening horizons and road to Union with England in 1707.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The following year you will study Scottish history in a wider comparative context, including modern social history.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to Honours (years three and four). You can only take Scottish History as a Joint Honours degree in combination with another subject. It is most often combined with Celtic Studies.

Our Honours programme consists of an exceptionally large variety of courses across the whole range of history.

As an Honours student, you will also have the chance to write a dissertation and/or study a special subject. Writing a dissertation will give you an opportunity to study a historical topic of your choice in depth and improve your research skills.

Special feature

Due to the wide-ranging research interests of our many staff, you will be able to pick from one of the most diverse ranges of Scottish history courses in the UK, both in terms of the number of courses and their chronological spread.

Our international links

You will be able to take part in different exchange programmes with leading universities in Europe and North America. There are regular exchanges with the Universities of Athens, Mainz and Stockholm. You may go abroad in your Junior Honours Year (third year) and return for Senior Honours.

Career prospects

As a history graduate you will be able to enter many different careers, from teaching to the financial services. Although a history degree will not train you for one particular profession, the skills you will have developed are extremely popular with employers.

Our recent History graduates have been employed by

- Glasgow Museums
- HarperCollins, credit assistant
- KPMG, accountant trainee
- Morgan Stanley
- Shetland Islands Council, graduate placement.

You may also be interested in

- Archaeology
- Celtic Studies
- Economic & Social History
- Gaelic
- History
- Scottish Literature



Scottish Literature

Scottish literature is the study of the poetry, drama, fiction and prose of Scotland, in English and Scots, from its beginnings in the 14th century to the most contemporary work. The range of Scottish literature should never be underestimated. The main literary genres of poetry, fiction and drama are fully represented.

- Scottish Literature at Glasgow is rated in the top ten in the UK for research in the most recent independent survey of research quality, the RAE 2008.
- The University is home to the Edwin Morgan Centre for Creative Writing and the Centre for Robert Burns Studies – the world's first ever research centre for Scotland's national poet.

Degree and UCAS code

MA (Hons) (Q201)
– four years

Joint Honours

At Honours level, Scottish Literature can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Scottish Literature at Glasgow is rated in the top ten in the UK for research in the most recent independent survey of research quality, the RAE 2008.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

Scottish literature is one of the oldest vernacular literatures in Europe, predominantly written in Scots and English.

There is some work in Latin and contemporary community languages as well.

Year 1

Initially you will be introduced to the rise of the great tradition of Scottish fiction, looking at work by Scott, Hogg and Galt down to Gibbon, Gunn and the moderns like Spark, Kelman and Galloway. Among the poets you study are MacDiarmid, Muir, MacCaig, Morgan and Lochhead. Twentieth-century drama is also covered.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The following year you will explore older Scottish literature and language, including the great medieval Makars (poets), Dunbar and Henryson, and the great morality play *Ane Satyre of the Thrie Estaitis*. Eighteenth-century writing, including Ramsay, Smollett and Burns, is also an important part of the programme.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you do well in first and second years, you can choose to study Scottish Literature as a Single Honours degree or in combination with another subject (Joint Honours) in years three and four.

You will explore in depth new theoretical approaches to Scottish literature, and study widely in different periods and aspects, from Medieval Scottish literature through the work of Burns and Scott, to the contemporary scene.

The topics offered to students at Honours level are

- history of Scots (language)
- history of the Scottish book (language) from beginnings to early modern (pre-1700)
- Augustans and Romantics
- Victorian literature and the 1920s Literary Renaissance
- contemporary Scottish literature
- one of Modern Scottish poetry or
- Scottish journeys or
- alternative Renaissances
- beginnings to early modern.

If you are taking Scottish Literature with another subject (Joint Honours) you are required to choose three of the courses and you must do a dissertation.

If you are a Single Honours student you must take seven of the courses and you are also required to do a dissertation. One of these seven courses must be a language-based course and another must cover the period before 1700.

Special feature

The University is home to the Edwin Morgan Centre for Creative Writing and the Centre for Robert Burns Studies – the world's first ever research centre for Scotland's national poet.

Our international links

You can spend up to a year of your degree studying abroad, normally in your third year. We have links with the Universities of Lausanne, Mainz and Verona.

Career prospects

An Honours degree in Scottish Literature opens up a wide range of career opportunities. You could find employment in areas including journalism and broadcasting, administration, marketing, publishing, data processing, management and librarianship.

Some of our graduates have gone abroad to teach English as a foreign language: recent placements have been in Ecuador, Japan, Russia and Taiwan.

You may also be interested in

- Celtic Studies
- English Literature
- English Language
- Scottish History

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 what makes societies stable or unstable.

- Our Sociology students report satisfaction levels of 94% in the National Student Survey 2011.
- One of the distinctive features of our Sociology programme, commented on by external examiners, is our combination of both sociological and anthropological perspectives.



S

Degree and UCAS code

MA (SocSci) (Hons) (L300) – four years

Joint Honours

At Honours level, Sociology can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAA in first sitting = unconditional offer.

Applicants who achieved AAB or AAAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 36 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Sociology students report satisfaction levels of 94% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

We have a well-established Sociology programme which can include both sociology and anthropology courses. The integration of both disciplines is a particular strength, adding a global dimension to our sociology teaching.

Year 1

You will be introduced to the discipline of sociology and to the key concepts, theories and methods sociologists use to understand the nature of contemporary societies and processes of social change. Through studying classic and contemporary examples of sociological research from a range of different societies, you will explore what it means to think sociologically about topics such as class, gender, crime and control, the body, religion and the media.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In the following year 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 and related disciplines, and by encouraging a higher level of theoretical consideration.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second years you may progress to two further years of study for an Honours degree.

You can choose to study Sociology on its own for a Single Honours degree, or in combination with another subject for a Joint Honours degree. As a Single Honours student, you will take some compulsory courses in theory and research methods and produce a dissertation.

All students will choose from a number of course options such as

- Black radical social thought
- Consumption
- Cosmology, culture and belief
- Disability and society
- Doing cultural sociology
- Drugs and culture
- Forced migration, asylum and refugees
- Gender
- Global civil society and human rights
- Global health, local healing
- Imperialism: classical analysis and contemporary directions
- Media 1: issues of production, information supply and content
- Media 2: audiences, new media and the future of public broadcasting
- Power, politics and the state
- Punishment and society
- Ritual, society and change
- Sexualities
- Social theory
- Sociology of racism
- Understanding and explaining crime
- Understanding social research
- Understanding qualitative research
- Violence and social harm
- World views
- Young people and social change.

Special feature

One of the distinctive features of our Sociology programme, commented on by external examiners, is our combination of both sociological and anthropological perspectives.

Our international links

At Honours, it is possible to do this degree together with a language. It usually involves spending a year abroad between the second and third years of the programme. This type of degree is particularly useful if you hope to develop a career overseas.

Career prospects

An Honours degree in Sociology from Glasgow 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, with city councils, development agencies, in market research, data analysis, business management, housing and education.

You may also be interested in

- Central & East European Studies
- Economic & Social History
- Politics
- Public Policy



Software Engineering

Software engineering involves the specification, design, construction and verification of large software systems. This degree programme is designed for computing science students who wish to pursue careers as professional software engineers in industry and commerce.

- Our computing science students report satisfaction levels of 98% in the National Student Survey 2011.
- You will develop skills in program development and analysis as well as come to understand the theoretical foundations of computation and computer systems.

Degrees and UCAS codes

BSc (Hons) (G430)
– four years

MSci (G610) – five years

Accreditation

Honours graduates are eligible for membership of the British Computer Society (MBCS) and, after relevant industrial experience, they can apply to become Chartered IT Professionals (CITP).

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher Mathematics at B or Higher Mathematics at C together with Higher Computing Studies or Information Systems at B.

A-levels: ABB, preferably with two science subjects. Normally have A-level Mathematics at B or above.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our computing science students report satisfaction levels of 98% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year two.

Programme structure

Year 1

In your first year you will take an introductory programming course that emphasises the principles of programming and a course on computing fundamentals.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In your second year you will study Java programming, object-oriented software engineering, data structures and algorithms, algorithmic foundations, computer systems and information management.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you progress to Honours (years three and four), you will study courses which present a practical, design-oriented approach to computing. These courses cover software engineering itself and related topics such as databases, human-computer interaction and real-time systems. You will also take a particular set of courses in your final year.

Practical work is an essential part of the degree programme and in third year you will take part in a software engineering team project.

Fourth-year individual projects have a software engineering focus. These practical projects carry considerable weight in the final assessment.

Software Engineering can be taken as an MSci, which includes an additional year. Students on the MSci programme follow the BSc Honours degree programme up to the end of their fourth year of study. This is followed in fifth year by additional advanced modules and a substantial research-oriented project.

Partnership and industry links

The School of Computing Science enjoys excellent industrial links which lead to exciting, substantial work placements. You will undertake a summer placement of at least ten weeks' duration, between third and fourth years, which provides valuable work experience.

Our international links

Students who wish to study abroad usually do so during their second year and we have exchange agreements in place with a variety of internationally leading universities across Europe. You can also spend a year abroad in North America, Australasia or at strong universities in any other country.

Career prospects

Our graduates find themselves in demand in all sectors of business and industry, often working in the IT department of a large company or in a consultancy which provides project teams to work with other companies. There are also challenging opportunities for software engineers to work in small start-up companies developing innovative products.

You may also be interested in

- Computing Science
- Computing Science & Physiology (Neuroinformatics)
- Electronic & Software Engineering
- Mobile Software Engineering

Spanish

Spanish embraces the study of the languages, literatures and cultures of Spain and the wider Spanish-speaking world, with particular emphasis on Latin America.

- Our Spanish studies students report satisfaction levels of 93% in the National Student Survey 2011.
- You will immerse yourself in the Spanish language and culture, most significantly through a year spent abroad before you take up Honours in Spanish. Your studies will go far beyond the language and into the film, literature, history and culture of the Spanish-speaking world.



S

Degree and UCAS code

MA (Hons) (R410) – five years

Joint Honours

At Honours level, Spanish can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Spanish studies students report satisfaction levels of 93% in the National Student Survey 2011.

Scholarship opportunities

Stevenson Exchange Scholarships are available to undergraduate students studying Spanish at Glasgow. For details of all scholarship opportunities see www.glasgow.ac.uk/scholarships.

Study abroad opportunities

You will spend the third year of this programme abroad, gaining experience that will complement your Honours years.

Programme structure

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 can opt for the Level-1 Language and culture course. The course will build on your knowledge of Spanish and reinforce your awareness of linguistic structures, both spoken and written. On the cultural side, you will follow lectures on a number of key genres (eg narrative, film, poetry, drama) and study texts and films in Spanish.

If you are a beginner or near-beginner in the language, provided that you have some previous successful language learning experience, you can take the Level-1 Beginners course, which will provide an intensive foundation in reading, writing and speaking Spanish. If you perform well enough on this course, you can progress to second year and beyond.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The first-year Language and culture course leads to Spanish 2. This course extends and develops your linguistic skills across a range of activities and builds your knowledge of Spanish culture through the study of further texts and other cultural forms. Students progressing from the first-year Beginners course normally study additional Level-1 cultural materials alongside the Level-2 course.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Year 3

It is essential that you spend your third year abroad to gain admittance to Honours. If you are taking Single Honours or Joint Honours Spanish with a non-language subject, you would normally take up a language assistant role or exchange student placement in a relevant country.

If you are taking Joint Honours Spanish and another language then you can either take your year as we explain above, or take it in a country with the other language of your Joint Honours degree. In this case, you will spend at least the last three months of the second semester of your Junior Honours year in a Spanish-speaking country.

Years 4 and 5

If you successfully complete the Spanish courses in first and second years, you may progress to Honours. As a Single or Joint Honours Spanish student you will determine the precise blend of your overall curriculum for Honours years of your studies. You will take Spanish as a core language.

You will have a mix of Spanish and, for those who have taken Portuguese, Portuguese-based topics. You will select courses each year from groups of wide-ranging linguistic, literary and cultural or historic topics.

Special features

Excellent audio-visual and IT facilities are available to support both the language and the wider cultural elements of the programme.

At all levels, elements of tuition are given by native-language speakers of Spanish.

Our international links

You will spend a year abroad before beginning Honours Spanish. Our students usually choose to work as a language assistant in Spain or South America on a placement arranged through the British Council, or to go as an Erasmus or other exchange student to a foreign university in a country of Spanish or Portuguese speech, which can include Brazil and Spanish America.

The University can provide support with arranging a placement with an exchange programme or other foreign placement of your choice.

Career prospects

Graduates with qualifications in modern languages and cultures have gone on to pursue rewarding careers in business and commerce, marketing, media, teaching (both at home and abroad), translating and interpreting, and the civil service.

Statistics and career advisers both confirm that our graduates' prospects are in some instances very much better than those for other arts graduates. With the enlargement of the European Union and NATO, even more excellent opportunities are being created both in the UK and abroad.

You may also be interested in

- Comparative Literature
- French
- German
- Hispanic Studies
- Italian
- Russian



Sports Medicine

Sports medicine examines the scientific aspects of the use of exercise in health promotion, disease prevention and treatment of medical conditions.

- Our sports medicine students are the most satisfied in the UK, reporting satisfaction levels of 100% in the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.

Degrees and UCAS codes

BSc (Hons) (CB69)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our sports medicine students are the most satisfied in the UK, reporting satisfaction levels of 100% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of anatomy. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (years three and four) you will study exercise physiology and sports science in third year. You will take courses which integrate the physiology, psychology and biomechanics of sport with statistics, training theory, coaching methods, injury management, and considerations of matters like diet, drugs in sport and the contribution of exercise to public health.

You will study the physiological adaptations to exercise, nutrition and energetics, focusing on the cardio-respiratory and skeletomuscular systems, and complete specialist courses in statistics and molecular biology techniques.

In fourth year you will specialise in sports medicine where courses include exercise in cardiac disease – including sudden death in sport, cardiovascular response to exercise, inactivity as a risk factor for ischaemic heart disease, exercise testing in heart disease, and exercise in medical conditions – including exercise and osteoarthritis, exercise and asthma, exercise and diabetes, exercise and the elderly.

You will also choose two further options relevant to sports medicine from a list including nutrition, training and drugs in sport, clinical applied anatomy, cardiovascular science, physical activity and public health.

You will undertake a research project in a sports medicine related topic to be submitted as a thesis in fourth year.

Special features

You can take Sports Medicine as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Practical sessions demonstrating investigations and techniques used in sports medicine will run in parallel with the taught courses – such as cardiopulmonary exercise testing in cardiac disease, cardiac rehabilitation and lung function tests. Although mainly observational, the practical sessions reinforce the lecture and reading materials in the programme.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Note

No previous clinical experience is required. This programme alone does not qualify you as a physiotherapist.

Career prospects

Career opportunities open to graduates in sports medicine include fitness testing, health promotion, sport and recreation management, various positions in the leisure industry and the Health Service. There is also the opportunity to develop a clinical orientation by entering physiotherapy or medicine as a postgraduate student.

Statistics

Statistics is the science of collecting, analysing, presenting and interpreting data. Statistics has application in analysis of brain scans, interpreting satellite data, computer-aided medical diagnosis, designing drug or GM crop trials, industrial quality control, monitoring radioactive fallout, understanding Alzheimer's disease, quantitative linguistics and bioinformatics.

- Our Statistics students are in the UK's top five for student satisfaction, reporting satisfaction levels of 97% in the National Student Survey 2011.
- We offer a double degree programme with the University of Bologna which will give you the opportunity to spend your third year in Bologna.
- Our Statistics Honours degree is accredited by the Royal Statistical Society.



S

Degrees and UCAS codes

BSc (Hon) (G300)
– four years
MSci (G302) – five years
MA (Hons) (G301)
– four years

Accreditation

The Royal Statistical Society accredits our single Honours degree and most joint ones.

Joint Honours

At Honours level, Statistics can be taken as a Single Honours or Joint Honours degree. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABB at their first sitting may receive a conditional

or unconditional offer once all applications have been reviewed in March 2013. Mathematics at B or above.

A-levels: ABB, including Mathematics and preferably one other science.

IB: 32 points.

MA

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AABB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications

have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to follow a faster route advanced entry, which allows you to complete a standard BSc (Hons) or MSci degree in one year less than usual – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Study abroad opportunities

There are study abroad opportunities available in year three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

This degree programme will equip you with the various skills – ranging from technical to presentational – required by statisticians. Throughout the programme there is a major emphasis on practical work using statistical packages.

Year 1

In your first year you will take two courses covering topics in probability and introductory statistical methods, and design of experiments, analysis of variance and statistical methods for paired data.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

You will take four courses covering topics in statistical methods and probability, introducing the ideas of likelihood and regression modelling.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3, 4 and 5

If you proceed to Honours (years three and four) you will gain an imaginative mix of theoretical and practical training, which involves project planning, report writing and the development of presentational skills. General topics covered across courses include probability, modelling, design, inference, computational inference, sampling and databases and a range of applications including biostatistics, environmental statistics and financial statistics.

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.

One important feature of project activities is a presentation. You will give a talk or produce a poster describing your project problem, your analyses and results. This, along with writing a report in non-technical language, provides you with two important transferable skills. You will also gain experience in teamwork through working in groups and you will learn to use statistical packages as well as gaining appreciation of the use and misuse of computers and computer software in statistics.

You can take Statistics as an MSci – a five-year Advanced Honours degree which aims to foster the development of critical judgement and independent scientific work, and to prepare you for professional leadership in your chosen field.

Our international links

We have a double degree programme with the University of Bologna in Statistical Science. Glasgow students spend their third year in Bologna, where staff will teach in English. Other opportunities for study abroad are available through Erasmus and international exchanges.

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. Our graduates 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.

Here are some career paths followed by former students:

- Information analyst: Andrew Massie graduated with a degree in Statistics and joined the NHS Information Services Division where he is involved in costing procedures and allocating resources.
- Basel credit risk information manager: Colin Young graduated with a degree in Statistics and went on to do a postgraduate degree at the London School of Economics. He now works for ANZ Group undertaking time series and regression modelling for credit risk products and portfolios.
- Graduate trainee: James Miller graduated with a degree in Statistics and went on to complete a PhD. He is now working in a graduate scheme at Lloyds Banking Group.
- Medical statistician: Nicola Greenlaw graduated with a degree in Statistics and is now employed by the NHS analysing data and giving statistical advice to medical students and clinicians.

You may also be interested in

- Mathematics/Applied Mathematics/Pure Mathematics
- Accounting & Statistics
- Finance & Statistics



Technological Education

As a teacher of technology, you will play a significant role in preparing young people to live in, and contribute to, a world of rapid technological, social and economic change.

- This degree programme qualifies you to teach craft and design, graphic communication, product design, technological studies and practical craft skills in all secondary schools.
- Your teaching qualification is recognised abroad and a number of our graduates have taken the opportunity to teach in places such as Australia, New Zealand, the USA, Singapore, Jordan, Switzerland and Canada.

Degree and UCAS code

BTechEd (H111)
– four years

Accreditation

This programme leads to registration with the General Teaching Council for Scotland.

Entry requirements

Highers: AAB/ABBB including English (normally at B) and preferably Mathematics and a technology or science subject.

A-levels: BBB including a technology or science subject and preferably including Mathematics. Plus GCSE English Language and English Literature (Grade A, B or C).

IB: 32 points, including HL English Grade 4 and SL Mathematics Grade 5.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Disclosure Scotland

If you are accepted to a teaching degree you must undertake a Criminal Convictions check prior to enrolment. It is your responsibility to pay for the check. Details will be sent to you.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

The programme provides an excellent range of experiences which will allow you to cope with such a wide curriculum in schools. You will study how children learn as well as appropriate technological subjects such as electronics, design, mechanics, materials, energy and graphics. You will also study practical-based subjects so that you can successfully deliver the range of vocational subjects encompassed by technological education.

Years 1 and 2

Over the first two years you will study a variety of core topics including

- product design
- graphics
- electronics
- mechanics
- mathematics.

Years 3 and 4

In years three and four these themes are developed with topics such as

- materials and processes
- technology and society
- understanding energy
- electronic materials and devices
- design
- sustainable resources and the environment.

You will also develop your craft skills over the first three years by completing technology craft workshops.

Special feature

A course in educational studies will prepare you for the wider professional support roles of a teacher in a technological society. You will develop a general understanding of effective learning, teaching, assessment and reporting, all in the context of the dynamic nature of education. This will all be allowed to be seen in context in a series of school experience blocks at various points across the four years.

Our international links

Your teaching qualification is recognised abroad and a number of our graduates have taken the opportunity to teach in places such as Australia, New Zealand, the USA, Singapore, Jordan, Switzerland and Canada.

In your third year you may be able to apply to study abroad, provided you achieve good grades in first and second years. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, normally for 12 weeks or a full semester. As this exchange programme

is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs. We have exchange agreements with universities in France, Spain, the Netherlands, Germany, Austria and Finland.

The International Exchange Programme is under development, but we are in discussions with universities in the USA, Canada, Australia and New Zealand. Exchanges to universities in those countries would normally be for a year, although exchanges of a semester may be considered.

Career prospects

Our graduates have 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 go on to funded postgraduate research, usually working towards a PhD in a topic relevant to their role as educators.

‘I chose to apply to Glasgow because the staff were so helpful and friendly when I was enquiring about the degree. What appealed to me most was the range of subjects we study, from electronics to product design and woodwork to graphics.’

Jasmine Woodcraft, BTechEd student

Theatre Studies

This degree programme examines the nature and function of the theatrical event and theatre culture from a range of critical, historical and practical perspectives.

- Our close connections with the theatre industry mean there will be ample opportunities to work with practitioners of national and international standing.
- Our Theatre Studies students report satisfaction levels of 94% in the National Student Survey 2011.
- Your studies will be based in an outstanding building that includes a flexible-stage theatre, performance studio, design studio and a cinema.



Degree and UCAS code

MA (Hons) (W440)
– four years

Joint Honours

At Honours level, Theatre Studies can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK. See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

Highers: AAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Theatre Studies students report satisfaction levels of 94% in the National Student Survey 2011.

Theatre, film and television studies at Glasgow was ranked in the top ten in the UK for research (RAE 2008).

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

This programme aims to develop a theoretical and critical approach to theatre and performance. You will analyse individual performances with an awareness of the historical, material and cultural context within which they are produced, performed and consumed. You will also explore theatre, drama and performance through a range of methodologies.

Year 1

The first year will focus on two subject areas.

- Reading the stage – will introduce you to different critical frames of performance theory and analysis, facilitating the application of these to contemporary performance practice.
- Theatre and society – will explore 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 locations including Scotland.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

The following year, you will pursue a historical investigation into theatre and dramaturgical practices.

- Classical to modern – aims to provide you with a historical and critical survey of the dominant forms of theatre practice in Europe before 1900.
- Modernism to postdramatic – introduces you to a number of European and American practitioners whose radical approaches to acting, directing, scenography and dramaturgy

have reoriented and redefined not only performance but also our understanding of the theatrical event.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you successfully complete the courses in first and second years, you may progress to Honours (years three and four). Theatre Studies is available as either Single Honours or Joint Honours. The number of core courses and optional courses you take depends on whether you opt for Single or Joint Honours. If you choose Single Honours, you will also write a 6,000-word dissertation. Teaching is largely by seminar and workshop.

Compulsory courses examine performance theory and analysis, as well as contemporary issues in theatre. Optional courses include directing, playwriting, advanced practice, work placement and applied theatre practices, as well as courses on documentary theatre, Renaissance theatre, performing memory, Victorian & Edwardian theatre, mapping the America(s) and modern German theatre, among others.

Special features

Your studies will be based in an outstanding building that includes a flexible-stage theatre, performance studio, design studio, workshops and wardrobe facilities, and a cinema.

The city of Glasgow is a great place to study theatre. It is the home of lively building-based theatre companies such as the Citizens, the Arches and the Tron, touring and production

companies such as the National Theatre of Scotland, New Moves International, Suspect Culture and NVA, and venues such as the Tramway, the Centre for Contemporary Arts (CCA) and Glasgow Film Theatre.

Our international links

A number of opportunities exist for you to spend one of your undergraduate years, or part of a year, studying abroad. Our students have chosen to study at a range of universities in North America, Australia and Europe. We have particularly close connections with the University of New South Wales in Sydney, Queen's University, Kingston, Ontario, Canada, the University of California, and Berlin's Free University.

Partnership and industry links

Our close connections with the theatre industry means there will be ample opportunities to work with practitioners of national and international standing. We have excellent relationships with many professional theatre makers based in Glasgow (often Glasgow graduates) who lead seminars and hold workshops with students on a regular basis.

Career prospects

Our graduates have gone on to a wide range of careers, some of which are closely connected to theatre provision and production, and some of which are very different.

You may also be interested in

- Film & Television Studies

Theology & Religious Studies

Theology and 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. It is open to students of all faiths and none.

- Our Theology and Religious Studies students report satisfaction levels of 94% in the National Student Survey 2011.
- You will have the opportunity to hear world-leading scholars speak on the religious issues that affect us all, such as conflict and dialogue between religions, bioethics, justice and sustainability, and spirituality in contemporary culture.

Degrees and UCAS codes

MA (Hons) (V621)
– four years

BD (Hons) (V600)
– four years

BD (Min) (Hons) (V650)
– four years

Joint Honours

At Honours level, the MA in Theology & Religious Studies can be taken as a Single Honours or Joint Honours degree. Glasgow offers one of the widest ranges of Joint Honours programmes in the UK.

See page 180 for a full list of Joint Honours combinations and UCAS codes.

Entry requirements

MA, BD, BD (Min)

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved AAB or ABB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013.

A-levels: ABB.

IB: 34 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Our Theology and Religious studies students report satisfaction levels of 94% in the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in year three.

Programme structure

You can take Theology & Religious Studies as an MA degree, or if you are training for the ministry or specialising in Christianity for other reasons, we also offer the specialist/professional BD and BD (Min) degrees. The structure of the programmes differ in the first two years of study.

MA

Theology and religious studies is concerned with the critical study of religion. This programme is designed to cater for the interests of students of all faiths and none, allowing you to study a variety of religions or to focus upon the Christian tradition. It will develop your awareness of the rich scriptural, cultural, artistic and philosophical heritage of humankind.

As part of this programme you will be able to study a wide variety of subjects across the sub-disciplines of theology and religious studies and you may customise your degree by choosing to specialise in particular areas. You are also able to study other subjects offered by the University and shape your own degree programme.

Year 1

In first year you might choose to focus upon the Bible and Christianity or gain a greater understanding of a wide range of religious traditions. At the same time you will be introduced to some key concerns shared by those who work in theology and religious studies:

- How do we read sacred texts?
- How do we think and speak about God?
- What defines religion and culture?
- What impact does religion make upon our social and political life?

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year you will develop your understanding further by progressing in your studies of the Christian tradition or other world faiths. More advanced courses will enable you to explore what religious believers consider to be the most significant aspects of their faith and how these impact upon their daily lives. You are also required to take a study skills course prior to entry to year three.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

BD and BD (Min)

The BD and BD (Min) have been developed in conversation with partners from a number of churches and voluntary bodies. These specialist degrees are primarily designed for those who intend to focus on theological concerns in their later professional life through working in pastoral ministry, the caring professions or voluntary organisations. They combine rigorous academic study with placement work and small group reflection and offer the opportunity to reflect in depth upon experience in a supportive and challenging environment.

The BD (Min) programme is only available to recognised candidates of the Church of Scotland. However, the BD is open to all and covers a very similar syllabus. We have an open and ecumenical spirit and you will be enriched

by relationships with staff and students from a wide variety of denominations and traditions. Church of Scotland students who are candidates for ordination become members of a foundation of the Church of Scotland.

Year 1

You will take introductory courses on the Bible, theology and religious studies. These will introduce you to some of the basic concerns of those studying religion today and give you tools for analysis and critical thinking. You will also take courses exploring theological reflection and worship which will help you to understand how theology is 'put to work' in the daily lives of Christians and the practice of the Church. You will undertake a placement which is an integral part of the degree programme.

Year 2

In your second year you will continue to take courses in the Bible and theology. You will also study ethics and pastoral practice. You will explore some of the issues that confront believers today as they seek to reconcile their faith with the many challenges presented by contemporary technological, social and environmental change. You will continue to reflect upon your experience through structured group work.



‘I have enjoyed the opportunity to have exciting debates with a mix of students and staff, both religious and non-religious, over current, relevant and diverse topics.’

Victoria Telford, Theology & Religious Studies student

MA and BD/BD (Min)

Years 3 and 4

If you successfully complete the courses in first and second year, you may progress to either Single or Joint Honours (years three and four). As a Single Honours student you will take six courses – usually four in your Junior Honours year and two in your Senior Honours year. If you wish to do Joint Honours you will take some courses from each of the two subjects you are studying.

Your Honours courses are chosen from a wide range of options including

- Christianity and bioethics
- Bible, literature and culture
- Qur’anic studies
- Hebrew texts: prophets and psalms
- Old Testament texts
- Epistles (Greek)
- Gospels (Greek)
- New Testament theology
- Body and belief
- Doctrine of God
- Early church history (patristic studies)
- New Testament ethics
- Political theology
- Contemporary theology
- Reformation studies
- Pastoral theology
- Sufism
- Buddhism
- Hinduism
- Women, church and change
- Worship and witness
- Church and society in Scotland.

You will also complete a 15,000-word dissertation on an approved topic of your own choosing in your final year.

Special features

You can study new languages from scratch: Greek and Hebrew are available from beginner level upwards, so that you can learn to read the ancient texts of the Hebrew Bible and the New Testament in their original languages.

Our international links

You may study for one year of your degree at an overseas university as part of a student exchange programme. In previous years our students have studied in countries such as Germany, the Republic of Ireland and Switzerland, as well as the United States, returning with a fantastic experience of different cultures and traditions.

Career prospects

Career openings include all jobs where employers are looking for graduate skills. Former students have gone into business or journalism, and have worked in the charity and voluntary sectors, as well as becoming teachers, civil servants, industrial managers, university lecturers, social workers and Christian ministers (of various denominations).

Our recent graduates have been employed by

- Ithaca College, lecturer in religious studies
- Church of Scotland, minister
- NHS, chaplain
- Self-employed, photographer
- Edinburgh City Council, principal teacher.

‘This is a very friendly place with a wide range of students covering all ages. The staff are always very helpful and create a great atmosphere to learn in.’

Alexander Hutchison, Theology & Religious Studies student

The Veterinary Biosciences programme is designed to provide you with the knowledge, philosophy and technical skills that you will need to undertake a fulfilling career in those aspects of animal science which underpin both the role and use of animals in society and in modern veterinary and laboratory animal practice and prepare you for continued lifelong learning.



Veterinary Biosciences

Veterinary biosciences is a biological sciences programme dedicated to those areas of science that underpin veterinary medicine. The programme brings together world-renowned veterinary and life scientists.

- Veterinary Medicine research at Glasgow is ranked top in Scotland and joint top in the UK, in the most recent independent survey of research quality, the RAE 2008. This means that you will be taught by academics who are considered to be producing work that is world-leading.
- You can choose to study this programme as an MSci, which includes a year-long work placement.
- This programme is particularly suited to graduate entry to Veterinary Medicine.



Degrees and UCAS code

BSc (Hons) (D300)
– four years

MSci – five year

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

Entry requirements

Highers: ABBB at one sitting, including Chemistry and Biology, with either Physics or Mathematics, together with two Advanced Highers, one of which should be Chemistry or Biology (at grades CC).

It is acceptable to take Chemistry or Biology as a crash Higher in S6 provided grades ABBB are obtained in S5.

A-levels: ABB at one sitting – Chemistry and Biology, plus one additional subject.

IB: 32 points overall with Chemistry and Biology, one of which must be at Higher Level (Grade 5) plus Mathematics or Physics at Standard Level (Grade 5).

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Ratings

Veterinary medicine research at Glasgow is ranked top in Scotland and joint top in the UK in the most recent independent survey of research quality, the RAE 2008.

Study abroad opportunities

There are study abroad opportunities available in year four for MSci students.

Programme structure

This programme will provide you with an understanding of those aspects of animal science which underpin both the role and use of animals in society and in modern veterinary and laboratory animal practice.

Years 1 and 2

The first two years of the programme will consist of chemistry, biology, animal husbandry and comparative biomedical sciences such as anatomy and physiology, combined with biomolecular sciences and a wide choice of related subjects.

Years 3 and 4

In year three, the focus will be on pathological sciences (for example infectious disease and molecular oncology), and will embrace the principles and effect of drug action.

The final taught year will include courses on scientific methods, statistics, population medicine, epidemiology and animal welfare, ethics and legislation with a significant research project.

Special feature

You can take Veterinary Biosciences as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Career prospects

The Veterinary Biosciences degree will provide an excellent preparation for a career in veterinary research or if you are considering a career in the animal care or pharmaceutical industries, where a broad understanding of the biomedical sciences would be an asset.

It is also an ideal first degree for those wishing to undertake Veterinary Medicine as a second degree.

Other career possibilities include teaching of biological subjects at schools, colleges of further education or universities.

You may also be interested in

- Veterinary Medicine & Surgery



V

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.

- Our Veterinary Medicine students report satisfaction levels of 95% in the National Student Survey 2011.
- Veterinary medicine research at Glasgow is ranked top in Scotland and joint top in the UK in the most recent independent survey of research quality, the RAE 2008. This means that you will be taught by academics who are considered to be producing work that is world-leading.

Degree and UCAS code

BVMS (D100) – five years

Accreditation

We are accredited by the Royal College of Veterinary Surgeons and the European Association of Establishments for Veterinary Education.

We have approved status from the American Veterinary Medical Association.

Entry requirements

Highers: AAABB at first sitting including Chemistry, Biology and either Physics or Mathematics (Chemistry must be at Grade A) PLUS BB in Advanced Higher Chemistry and Biology.

A-levels: AAA at first sitting including Chemistry at A, Biology at A with a third academic subject (preferably a science subject) excluding Art, Drama, General Studies, Home Economics, Music, PE.

IB: 36 points overall, with Chemistry and Biology at HL Grade 6 and either Mathematics or Physics at SL Grade 5.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Programme structure

Years 1 and 2

In the first two years of the programme you will acquire fundamental knowledge and develop the skills and attitudes on which the following years of your training are based. During this initial phase, you will relate anatomy to function for healthy 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 culminating in the art of history taking and clinical examination.

At the end of the first two years you will have a sound working knowledge of healthy domestic animals and you will have developed the fundamental skills you will require as you move towards learning based more in professional environments.

Year 3

The third year is centred around the understanding of the basis of disease considering infectious agents, how bodies react in disease and what this looks like to the veterinary clinician. Your professional training is focused on preparing for increasing clinical exposure.

Year 4

This is followed in fourth year by courses covering aspects of medicine, surgery and public health. Associated practical sessions allow clinical cases to be examined and discussed in detail.

Year 5

In your final year there are no formal lectures and the emphasis is on small group clinical teaching covering all the common species of domestic animals. During this time you will be involved in all aspects of work in our busy referral hospitals. You will also gain first-hand experience in one of several practices linked to the veterinary school eg the busy small animal clinic at the People's Dispensary for Sick Animals in Glasgow, and you may choose to spend time in residence at a large veterinary practice in Lanark.

Special features

In common with all veterinary students in the UK you will be required to undertake an additional 12 weeks of extra-mural studies (EMS) during your vacation time in first and second years, during which you will gain further experience of the management and handling of domestic animals. During your third, fourth and final years you must also spend a combined total of 26 weeks' vacation time on EMS, gaining experience of general veterinary practice.

At the end of third year selected candidates may be admitted to either an intercalated BSc (VetSci) programme, currently available in 12 subjects at the University of Glasgow (and further programmes provided at other universities) or an intercalated MSc programme. In addition, at the end of second or third year you may be admitted to study for a two-year intercalated Honours BSc. On completion of the intercalated degree BSc/MSc programme, you will return to the BVMS programme.

Our international links

A student exchange scheme between Iowa State University, USA and the University of Glasgow has been running for a number of years. Between four and six students participate in this six-week programme during the summer months prior to their final year.

It is also possible, through the University's worldwide contacts, to undertake some of your EMS abroad.

We have approved status from the American Veterinary Medical Association, which enables you to have the option of practising in the USA or Canada following graduation without the need for sitting lengthy and costly clinical proficiency examinations.



V

Applying for Veterinary Medicine & Surgery

All applications must be received by UCAS by 15 October. If applying to the BVMS programme you must limit your choice to four veterinary schools only. If you apply to more than four veterinary schools, your application will not be forwarded to institutions by UCAS.

The University is unable to offer applicants deferred entry.

Interviews

Candidates seriously considered for admission to the BVMS will normally be interviewed before a final decision is reached. Members of the Admissions Committee carry out these interviews between December and February each year.

Ratings

Our Veterinary Medicine students report satisfaction levels of 95% in the National Student Survey 2011.

Veterinary medicine research at Glasgow is ranked top in Scotland and joint top in the UK in the most recent independent survey of research quality, the RAE 2008.

Study abroad opportunities

There are study abroad opportunities available in year four.

Career prospects

As a graduate of Veterinary Medicine at Glasgow, you can register as a member of the Royal College of Veterinary Surgeons (MRCVS). The University is also approved by the American Veterinary Medical Association (AVMA). Our graduates can therefore choose to work anywhere in the world, and the global opportunities are endless. The majority of registered veterinary surgeons in the United Kingdom are in general practice, which may be small animal, farm animal, equine or mixed. Our graduates are also employed in government service, dealing with investigation, control and eradication of important diseases. Others are actively engaged in food hygiene or in university teaching and research.

You may also be interested in

- Veterinary Biosciences

Work experience

Students are required to spend a total of 26 weeks' vacation time gaining experience of veterinary practice. Student Julia Caldwell decided to spend some time in Africa.

'In my summer holidays between third and fourth year I had an amazing opportunity to join the "Vets Go Wild" course in South Africa. We stayed within the Amakala game reserve, which is about an hour and a half from Port Elizabeth. There was a group of 16 vets and four were from Glasgow. From the moment we arrived we were immersed in the beauty of South Africa. During our two weeks we went on countless game drives and had a number of lectures. Our lectures had a holistic approach starting with ecosystems and the history of game reserves through to the principles of darting and management of a game reserve.

'We spent the majority of our time on Amakala and Shamwari game reserves, and had a day at Addo elephant park. We got to dart white rhinos and impala and do an entire darting protocol from dart to release on zebras.

'William (the man in charge!) really wanted us to not only learn everything he had to teach us, he wanted everyone to open their eyes to the world around them. The whole experience was a truly amazing life-changing experience.'



Virology

Virology is the study of viruses and viral diseases. Viruses are both disease agents and model systems, meaning that virology continues to be at the centre of modern biomedical research.

- Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.
- Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.
- You can choose to study this programme as an MSci, which includes a year-long research placement.
- This programme is particularly suited to graduate entry to Medicine.

Degrees and UCAS codes

BSc (Hons) (C540)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AAB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Biological science subjects at Glasgow are ranked in the UK's top five for student satisfaction, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Viruses are of importance as

- disease agents in humans and animals
- experimental tools to explore basic mechanisms in the control of cellular processes.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of microorganisms, infection and immunity, and practical microbiology. In addition, you will be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) you will study the range of pathogens from bacteria, viruses and protozoan parasites, to helminths and fungi. We take a modern approach to understanding the basic biology of the pathogens, during which you will learn about

- virulence mechanisms
- strategies for becoming established in the host
- immunopathology
- the host's immune response to pathogens
- control methods including diagnosis, vaccination and chemotherapy.

You will be trained in modern methods of cell biology, biochemistry, immunology and molecular biology as applied to infection biology. A field course provides practical training in aspects of epidemiology, and you will also undertake a short research project designed to teach the benefits of teamwork.

Our fourth-year course takes the basic knowledge learned in third year as a foundation and builds on it through further analysis and discussion. The course is made up of

- four five-week Honours options
- a research project carried out under the supervision of a member of academic staff
- an essay
- a scientific poster.

Special features

You can take Virology as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute. Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

A field course at the Marine Biological Station at Millport in the Firth of Clyde provides practical training in aspects of epidemiology.

Our international links

You will have the opportunity to apply to study abroad. There are currently two options available: the Erasmus Exchange Scheme and the International Exchange Programme.

Under the Erasmus scheme you will study at a major European university, for three to ten months. As this exchange programme is partly funded by the European Union you will receive additional financial support from the EU, to cover additional travel and living costs.

The International Exchange Programme allows you to spend a year or semester in one of our partner institutions in the following countries: Australia, Argentina, Canada, Chile, China, Japan, Korea, Hong Kong, Mexico, New Zealand, Singapore, USA.

Career prospects

The broad approach our programme takes provides you with a wide range of skills and expertise, which means you may be well suited to follow postgraduate research either in virology or molecular biology.

Many of our graduates are able to find employment in

- hospital, government and pharmaceutical research laboratories
- the health, food and water industries
- teaching
- the commercial sector.

In addition, the programme will have provided you with a range of useful transferable skills which can allow employment in areas outwith science.

Zoology

Zoology is the scientific study of all aspects of animal life, from the microscopic single-celled protozoa to vertebrates. So far, about two million animal species have been described and many more await discovery. Scientific knowledge and understanding of animal life is crucial to our understanding of the environment.

- Our Zoology students report satisfaction levels of 95%, according to the National Student Survey 2011.
- Research projects may be undertaken on a wide range of topics in a variety of locations: recent examples include seabird ecology on Foula, marine turtle breeding in Cyprus and tree frog behaviour in Trinidad.



Z

Degrees and UCAS codes

BSc (Hons) (C300)
– four years

MSci – five years

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

Entry requirements

BSc, MSci

Highers: AAAB in first sitting = unconditional offer.

Applicants who achieved between BBBB/ABB and AABBB at their first sitting may receive a conditional or unconditional offer once all applications have been reviewed in March 2013. Higher in either Biology or Chemistry. A minimum level of Chemistry studied in first year.

A-levels: ABB, preferably with two science subjects. AS Level in either Biology or Chemistry. All Biology students study a minimum level of Chemistry in first year.

IB: 32 points.

For a full list of alternative qualifications please see www.glasgow.ac.uk/undergraduate/entryrequirements.

Advanced entry

If you have exceptional A-level or Advanced Higher grades it's possible to gain exemption from Year 1 study and enter directly to Year 2 – see www.glasgow.ac.uk/undergraduate/degrees/advancedentry.

Ratings

Our Zoology students report satisfaction levels of 95%, according to the National Student Survey 2011.

Study abroad opportunities

There are study abroad opportunities available in years two and three.

Glasgow International College

For international students entry to this programme is supported by courses from GIC. See page 63.

Programme structure

Modern zoology includes the study of

- molecular genetics used, for example, to solve complex, evolutionary problems
- animal behaviour and animal welfare
- how animals interact with their environment
- animal physiology
- how animals develop from egg to adult
- the description and classification of the diversity of animal life.

Year 1

In your first year you will be given a general introduction to all aspects of modern biology and encouraged to acquire general scientific skills.

You will also study two other subjects in year 1 according to your interests – see pages 36-42 for details.

Year 2

In second year, you will be introduced to the study of animal diversity and ecology. You will also be able to choose from a wide range of other courses.

You will also study one or two other subjects in year 2 – see pages 36-42 for details.

Years 3 and 4

If you progress to Honours (third and fourth years) 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
- marine biology.

There are also courses on experimental design, data collection and analysis.

In fourth year you will choose four topics to study in much greater depth. These include

- parasites, disease and immunity
- tropical rainforest ecology
- applying ecology, conservation and management of populations
- behavioural ecology
- evolution – pattern and process
- bioethics
- physiological ecology of marine animals.

A major component of your final year is an independent research project. This project will give you the chance to research something new, and the results sometimes contribute to scientific publications.

Special features

You can take Zoology as an MSci, which includes an additional placement year. This is normally spent doing research in industry or some other organisation such as a research institute.

Placements are usually in the UK, but can also be taken overseas. They happen between third year and the final year of the degree.

Field courses are conducted at the Scottish Centre for Ecology & the Natural Environment on Loch Lomond and at the Marine Biological Station at Millport in the Firth of Clyde.

Our international links

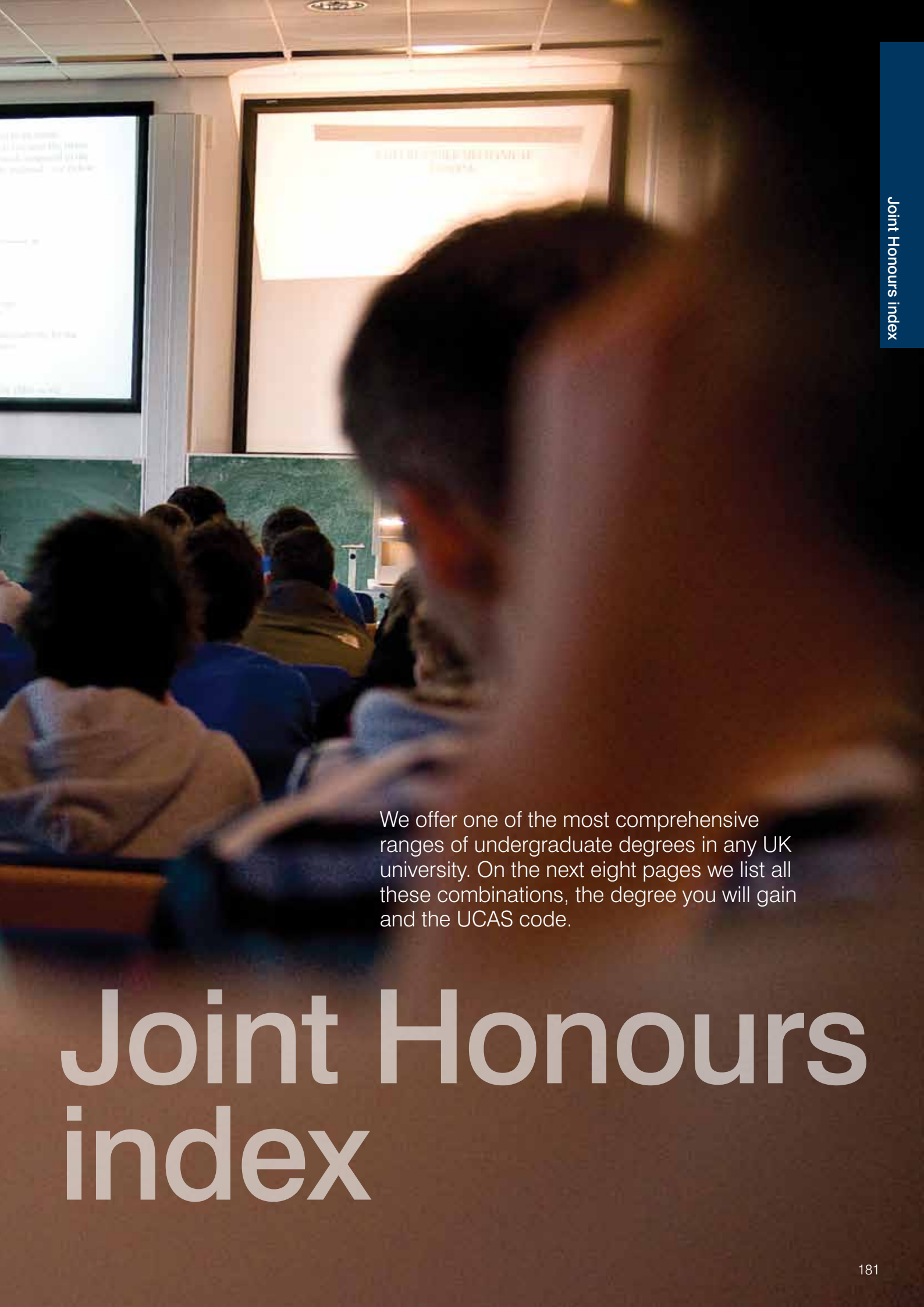
Research projects may be undertaken on a wide range of topics in a variety of international locations: recent examples include marine turtle breeding in Cyprus and tree frog behaviour in Trinidad. You may also have the opportunity to take an optional overseas field course.

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.

Life sciences at Glasgow is rated as being in the top 50 in the world, according to the Times Higher Education World University Rankings 2011-12.





We offer one of the most comprehensive ranges of undergraduate degrees in any UK university. On the next eight pages we list all these combinations, the degree you will gain and the UCAS code.

Joint Honours index

A

Applied Mathematics/Astronomy, BSc(Hons), GF15
 Applied Mathematics/Astronomy, MSci, FGN1
 Applied Mathematics/Business & Management, BSc(Hons), GN12
 Applied Mathematics/Chemistry, BSc(Hons), GF1C
 Applied Mathematics/Chemistry, MSci, GF1D
 Applied Mathematics/Computing Science, BSc(Hons), GG41
 Applied Mathematics/Computing Science, MSci, GG14
 Applied Mathematics/Economics, BSc(Hons), LG1C
 Applied Mathematics/Geography, BSc(Hons), GF18
 Applied Mathematics/Philosophy, BSc(Hons), GVC5
 Applied Mathematics/Physics, BSc(Hons), GF13
 Applied Mathematics/Physics, MSci, GFC3
 Applied Mathematics/Psychology, BSc(Hons), GC18
 Applied Mathematics/Statistics, BSc(Hons), GG31
 Applied Mathematics/Statistics, MSci, GGD3
 Applied Mathematics/Statistics (Faster Route), BSc(Hons), GG1J
 Applied Mathematics/Statistics (Faster Route), MSci, GGCH
 Archaeology/Arts & Media Informatics, MA(Hons), GV54
 Archaeology/Business & Management, MA(Hons), NVF4
 Archaeology/Business & Management, MA(SocSci)(Hons), NV24
 Archaeology/Business Economics, MA(SocSci)(Hons), LN16
 Archaeology/Celtic Civilisation, MA(Hons), QVM4
 Archaeology/Celtic Studies, MA(Hons), QV54
 Archaeology/Central & East European Studies, MA(Hons), RV7L
 Archaeology/Classics, MA(Hons), QV84
 Archaeology/Earth Science, BSc(Hons), FF64
 Archaeology/Economic & Social History, MA(Hons), VV34
 Archaeology/Economic & Social History, MA(SocSci)(Hons), VV43
 Archaeology/Economics, MA(Hons), LV14
 Archaeology/Economics, MA(SocSci)(Hons), VL41
 Archaeology/English Language, MA(Hons), QV3L
 Archaeology/English Literature, MA(Hons), QV3K
 Archaeology/Film & Television Studies, MA(Hons), VV46
 Archaeology/Gaelic, MA(Hons), QV5K
 Archaeology/Geography, MA(Hons), LV74
 Archaeology/Geography, MA(SocSci)(Hons), VL47
 Archaeology/Geography, BSc(Hons), FV84
 Archaeology/German, MA(Hons), RV24
 Archaeology/Greek, MA(Hons), QV74
 Archaeology/History, MA(Hons), VV14
 Archaeology/History of Art, MA(Hons), VVH4
 Archaeology/Italian, MA(Hons), RV34
 Archaeology/Latin, MA(Hons), QV64
 Archaeology/Mathematics, MA(Hons), GV14
 Archaeology/Music, MA(Hons), VV43
 Archaeology/Politics, MA(Hons), LV24
 Archaeology/Politics, MA(SocSci)(Hons), VL42
 Archaeology/Psychology, MA(Hons), CV84
 Archaeology/Psychology, MA(SocSci)(Hons), VC48

Archaeology/Russian, MA(Hons), RV74
 Archaeology/Scottish History, MA(Hons), VVF4
 Archaeology/Spanish, MA(Hons), RV44
 Archaeology/Theatre Studies, MA(Hons), VV44
 Archaeology/Theology & Religious Studies, MA(Hons), VV46
 Arts & Media Informatics/Archaeology, MA(Hons), GV54
 Arts & Media Informatics/Business & Management, MA(Hons), GN52
 Arts & Media Informatics/Celtic Civilisation, MA(Hons), GQ5N
 Arts & Media Informatics/Central & East European Studies, MA(Hons), RG75
 Arts & Media Informatics/Classics, MA(Hons), GQM8
 Arts & Media Informatics/Comparative Literature, MA(Hons), GQ52
 Arts & Media Informatics/Economic & Social History, MA(Hons), GV5J
 Arts & Media Informatics/English Language, MA(Hons), GQ5J
 Arts & Media Informatics/English Literature, MA(Hons), GQ5H
 Arts & Media Informatics/Film & Television Studies, MA(Hons), GP53
 Arts & Media Informatics/French, MA(Hons), GR5C
 Arts & Media Informatics/Geography, MA(Hons), GL57
 Arts & Media Informatics/Greek, MA(Hons), GQ5R
 Arts & Media Informatics/History, MA(Hons), GVM1
 Arts & Media Informatics/History of Art, MA(Hons), GV5H
 Arts & Media Informatics/Latin, MA(Hons), GQ5P
 Arts & Media Informatics/Mathematics, MA(Hons), GGM1
 Arts & Media Informatics/Music, MA(Hons), GW5H
 Arts & Media Informatics/Philosophy, MA(Hons), GV55
 Arts & Media Informatics/Physics, MA(Hons), GF53
 Arts & Media Informatics/Politics, MA(Hons), GL52
 Arts & Media Informatics/Psychology, MA(Hons), GC5V
 Arts & Media Informatics/Public Policy, MA(Hons), GL54
 Arts & Media Informatics/Russian, MA(Hons), GR5R
 Arts & Media Informatics/Scottish History, MA(Hons), GV52
 Arts & Media Informatics/Scottish Literature, MA(Hons), GQM5
 Arts & Media Informatics/Sociology, MA(Hons), GL56
 Arts & Media Informatics/Spanish, MA(Hons), RG45
 Arts & Media Informatics/Theatre Studies, MA(Hons), GW5K
 Arts & Media Informatics/Theology & Religious Studies, MA(Hons), GV5P
 Astronomy/Applied Mathematics, BSc(Hons), GF15
 Astronomy/Applied Mathematics, MSci, FGN1
 Astronomy/Mathematics, BSc(Hons), FGM1
 Astronomy/Mathematics, MSci, FG5D
 Astronomy/Physics, BSc(Hons), FF53
 Astronomy/Physics, MSci, FF5H

B

Business & Management with French Language (P), MA(SocSci)(Hons), N2R1
 Business & Management with German Language (P), MA(SocSci)(Hons), N2R2
 Business & Management with Italian Language (P), MA(SocSci)(Hons), N2R3
 Business & Management with Russian Language (P), MA(SocSci)(Hons), N2R7
 Business & Management/Applied Mathematics, BSc(Hons), GN12

Business & Management/Archaeology, MA(Hons), NVF4
 Business & Management/Archaeology, MA(SocSci)(Hons), NV24
 Business & Management/Arts & Media Informatics, MA(Hons), GN52
 Business & Management/Business Economics, MA(SocSci)(Hons), LNC2
 Business & Management/Celtic Civilisation, MA(Hons), QN15
 Business & Management/Celtic Studies, MA(Hons), NQ25
 Business & Management/Classics, MA(Hons), NQ28
 Business & Management/Classics, MA(SocSci)(Hons), NQF8
 Business & Management/Comparative Literature, MA(Hons), QN22
 Business & Management/Computing Science, MA(SocSci)(Hons), GN42
 Business & Management/Computing Science, BSc(Hons), NG24
 Business & Management/Economic & Social History, MA(SocSci)(Hons), NV23
 Business & Management/Economics, MA(SocSci)(Hons), LN12
 Business & Management/English Literature, MA(Hons), QN32
 Business & Management/French, MA(Hons), NR21
 Business & Management/Gaelic, MA(Hons), QN52
 Business & Management/Geography, MA(SocSci)(Hons), LN72
 Business & Management/German, MA(Hons), NR22
 Business & Management/Greek, MA(Hons), NQ27
 Business & Management/History, MA(Hons), NVF1
 Business & Management/History, MA(SocSci)(Hons), NV21
 Business & Management/History of Art, MA(Hons), NVF3
 Business & Management/Italian, MA(Hons), NR23
 Business & Management/Latin, MA(Hons), NQ26
 Business & Management/Mathematics, MA(SocSci)(Hons), GND2
 Business & Management/Mathematics, BSc(Hons), NG21
 Business & Management/Music, MA(Hons), NW23
 Business & Management/Philosophy, MA(Hons), NVF5
 Business & Management/Philosophy, MA(SocSci)(Hons), NV25
 Business & Management/Politics, MA(SocSci)(Hons), LN22
 Business & Management/Psychology, MA(SocSci)(Hons), CN82
 Business & Management/Public Policy, MA(SocSci)(Hons), LN42
 Business & Management/Russian, MA(Hons), NR27
 Business & Management/Scottish History, MA(Hons), NVG1
 Business & Management/Scottish History, MA(SocSci)(Hons), NVF2
 Business & Management/Scottish Literature, MA(Hons), NQ22
 Business & Management/Sociology, MA(SocSci)(Hons), LN62
 Business & Management/Statistics, BSc(Hons), NG23
 Business & Management/Theology & Religious Studies, MA(Hons), VN61
 Business Economics with Spanish Language (P), MA(SocSci)(Hons), R4L1
 Business Economics/Archaeology, MA(SocSci)(Hons), LN16
 Business Economics/Business & Management, MA(SocSci)(Hons), LNC2

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

Business Economics/Central & East European Studies, MA(SocSci)(Hons), **RL71**
 Business Economics/Computing Science, MA(SocSci)(Hons), **LG14**
 Business Economics/Computing Science, BSc(Hons), **GL4C**
 Business Economics/Economic & Social History, MA(SocSci)(Hons), **LV13**
 Business Economics/Economics, MA(SocSci)(Hons), **L110**
 Business Economics/Geography, MA(SocSci)(Hons), **LLC7**
 Business Economics/Mathematics, MA(SocSci)(Hons), **LG11**
 Business Economics/Philosophy, MA(SocSci)(Hons), **LV15**
 Business Economics/Politics, MA(SocSci)(Hons), **LLC2**
 Business Economics/Psychology, MA(SocSci)(Hons), **LC18**
 Business Economics/Public Policy, MA(SocSci)(Hons), **LLC4**
 Business Economics/Scottish History, MA(SocSci)(Hons), **LVD2**
 Business Economics/Sociology, MA(SocSci)(Hons), **LLP1**

C

Celtic Civilisation/Archaeology, MA(Hons), **QVM4**
 Celtic Civilisation/Arts & Media Informatics, MA(Hons), **GQ5N**
 Celtic Civilisation/Business & Management, MA(Hons), **QN15**
 Celtic Civilisation/Central & East European Studies, MA(Hons), **RQR5**
 Celtic Civilisation/Classics, MA(Hons), **Q821**
 Celtic Civilisation/Comparative Literature, MA(Hons), **QQG5**
 Celtic Civilisation/Computing Science, MA(Hons), **GQK5**
 Celtic Civilisation/Economic & Social History, MA(Hons), **QVN3**
 Celtic Civilisation/Economics, MA(Hons), **LQ15**
 Celtic Civilisation/English Language, MA(Hons), **QQM3**
 Celtic Civilisation/English Literature, MA(Hons), **QQ5J**
 Celtic Civilisation/French, MA(Hons), **QR51**
 Celtic Civilisation/Gaelic, MA(Hons), **Q590**
 Celtic Civilisation/Geography, MA(Hons), **LQ75**
 Celtic Civilisation/Greek, MA(Hons), **QQ57**
 Celtic Civilisation/History, MA(Hons), **QVM1**
 Celtic Civilisation/History of Art, MA(Hons), **QV53**
 Celtic Civilisation/Italian, MA(Hons), **QR53**
 Celtic Civilisation/Latin, MA(Hons), **QQ56**
 Celtic Civilisation/Mathematics, MA(Hons), **GQ15**
 Celtic Civilisation/Philosophy, MA(Hons), **QV55**
 Celtic Civilisation/Psychology, MA(Hons), **CQV5**
 Celtic Civilisation/Public Policy, MA(Hons), **LQK5**
 Celtic Civilisation/Scottish History, MA(Hons), **QVN2**
 Celtic Civilisation/Scottish Literature, MA(Hons), **QQF5**
 Celtic Civilisation/Theology & Religious Studies, MA(Hons), **QV56**
 Celtic Studies/Archaeology, MA(Hons), **QV54**
 Celtic Studies/Business & Management, MA(Hons), **NQ25**
 Celtic Studies/Central & East European Studies, MA(Hons), **RQ75**
 Celtic Studies/Comparative Literature, MA(Hons), **QQ52**
 Celtic Studies/Computing Science, MA(Hons), **GQ45**
 Celtic Studies/Economic & Social History, MA(Hons), **VQ35**

Celtic Studies/English Language, MA(Hons), **QQ3N**
 Celtic Studies/English Literature, MA(Hons), **QQ3M**
 Celtic Studies/French, MA(Hons), **QRM1**
 Celtic Studies/Geography, MA(Hons), **QL57**
 Celtic Studies/German, MA(Hons), **QRM2**
 Celtic Studies/Greek, MA(Hons), **RQ95**
 Celtic Studies/History, MA(Hons), **QV51**
 Celtic Studies/Latin, MA(Hons), **QQ65**
 Celtic Studies/Mathematics, MA(Hons), **GQC5**
 Celtic Studies/Music, MA(Hons), **QW53**
 Celtic Studies/Philosophy, MA(Hons), **QVM5**
 Celtic Studies/Psychology, MA(Hons), **CQ85**
 Celtic Studies/Public Policy, MA(Hons), **LQ45**
 Celtic Studies/Scottish History, MA(Hons), **QVM2**
 Celtic Studies/Scottish Literature, MA(Hons), **QQ25**
 Celtic Studies/Theology & Religious Studies, MA(Hons), **VQ65**
 Central & East European Studies with Russian Language (P), MA(SocSci)(Hons), **R8R7**
 Central & East European Studies/Archaeology, MA(Hons), **RV7L**
 Central & East European Studies/Arts & Media Informatics, MA(Hons), **RG75**
 Central & East European Studies/Business Economics, MA(SocSci)(Hons), **RL71**
 Central & East European Studies/Celtic Civilisation, MA(Hons), **RQR5**
 Central & East European Studies/Celtic Studies, MA(Hons), **RQ75**
 Central & East European Studies/Classics, MA(Hons), **RQ78**
 Central & East European Studies/Comparative Literature, MA(Hons), **RQ28**
 Central & East European Studies/Economic & Social History, MA(SocSci)(Hons), **RV83**
 Central & East European Studies/Economics, MA(SocSci)(Hons), **RL81**
 Central & East European Studies/English Literature, MA(Hons), **RQ7J**
 Central & East European Studies/French, MA(Hons), **RR71**
 Central & East European Studies/Gaelic, MA(Hons), **QR5R**
 Central & East European Studies/Geography, MA(SocSci)(Hons), **RL77**
 Central & East European Studies/German, MA(Hons), **RR72**
 Central & East European Studies/Greek, MA(Hons), **RQ77**
 Central & East European Studies/History, MA(Hons), **RV7C**
 Central & East European Studies/History of Art, MA(Hons), **RVP3**
 Central & East European Studies/Italian, MA(Hons), **RR73**
 Central & East European Studies/Latin, MA(Hons), **RQ66**
 Central & East European Studies/Mathematics, MA(SocSci)(Hons), **RG78**
 Central & East European Studies/Music, MA(Hons), **RWR3**
 Central & East European Studies/Philosophy, MA(Hons), **VR85**
 Central & East European Studies/Philosophy, MA(SocSci)(Hons), **RVT5**
 Central & East European Studies/Politics, MA(SocSci)(Hons), **RL82**
 Central & East European Studies/Psychology, MA(SocSci)(Hons), **RG68**
 Central & East European Studies/Public Policy, MA(SocSci)(Hons), **RL84**
 Central & East European Studies/Russian, MA(Hons), **R791**

Central & East European Studies/Scottish History, MA(Hons), **RVP1**
 Central & East European Studies/Scottish Literature, MA(Hons), **RQR2**
 Central & East European Studies/Sociology, MA(SocSci)(Hons), **RL83**
 Chemistry/Applied Mathematics, BSc(Hons), **GF1C**
 Chemistry/Applied Mathematics, MSci, **GF1D**
 Chemistry/Mathematics, BSc(Hons), **GF11**
 Chemistry/Mathematics, MSci, **FG11**
 Classics/Archaeology, MA(Hons), **QV84**
 Classics/Arts & Media Informatics, MA(Hons), **GQM8**
 Classics/Business & Management, MA(Hons), **NQ28**
 Classics/Business & Management, MA(SocSci)(Hons), **NQF8**
 Classics/Celtic Civilisation, MA(Hons), **Q821**
 Classics/Central & East European Studies, MA(Hons), **RQ78**
 Classics/Comparative Literature, MA(Hons), **QQF8**
 Classics/Computing Science, MA(Hons), **GQ48**
 Classics/English Literature, MA(Hons), **QQ3V**
 Classics/Film & Television Studies, MA(Hons), **QP83**
 Classics/French, MA(Hons), **QR81**
 Classics/Geography, MA(Hons), **LQ78**
 Classics/Geography, MA(SocSci)(Hons), **LQR8**
 Classics/German, MA(Hons), **QR82**
 Classics/History, MA(Hons), **QV81**
 Classics/Italian, MA(Hons), **QR83**
 Classics/Mathematics, MA(Hons), **GQ18**
 Classics/Music, MA(Hons), **QW83**
 Classics/Philosophy, MA(Hons), **QV85**
 Classics/Politics, MA(Hons), **LQ28**
 Classics/Politics, MA(SocSci)(Hons), **LQF8**
 Classics/Psychology, MA(Hons), **CQ88**
 Classics/Psychology, MA(SocSci)(Hons), **QC88**
 Classics/Public Policy, MA(Hons), **LQ48**
 Classics/Public Policy, MA(SocSci)(Hons), **LQK8**
 Classics/Russian, MA(Hons), **QR87**
 Classics/Scottish History, MA(Hons), **QV2**
 Classics/Scottish Literature, MA(Hons), **QQ28**
 Classics/Sociology, MA(Hons), **LQ83**
 Classics/Sociology, MA(SocSci)(Hons), **QL83**
 Classics/Theatre Studies, MA(Hons), **WQ48**
 Classics/Theology & Religious Studies, MA(Hons), **QV86**
 Comparative Literature/Arts & Media Informatics, MA(Hons), **GQ52**
 Comparative Literature/Business & Management, MA(Hons), **QN22**
 Comparative Literature/Celtic Civilisation, MA(Hons), **QQG5**
 Comparative Literature/Celtic Studies, MA(Hons), **QQ52**
 Comparative Literature/Central & East European Studies, MA(Hons), **RQ28**
 Comparative Literature/Classics, MA(Hons), **QQF8**
 Comparative Literature/Economic & Social History, MA(Hons), **QVG3**
 Comparative Literature/Economics, MA(Hons), **LQC2**
 Comparative Literature/English Language, MA(Hons), **QQF3**
 Comparative Literature/English Literature, MA(Hons), **Q290**
 Comparative Literature/Film & Television Studies, MA(Hons), **PQ32**
 Comparative Literature/French, MA(Hons), **QRF1**
 Comparative Literature/Gaelic, MA(Hons), **QQ5F**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

- Comparative Literature/German, MA(Hons), **QRF2**
 Comparative Literature/Greek, MA(Hons), **QQF7**
 Comparative Literature/History, MA(Hons), **QVF1**
 Comparative Literature/History of Art, MA(Hons), **QVF3**
 Comparative Literature/Italian, MA(Hons), **QRF3**
 Comparative Literature/Latin, MA(Hons), **QQF6**
 Comparative Literature/Music, MA(Hons), **QWF3**
 Comparative Literature/Philosophy, MA(Hons), **QVF5**
 Comparative Literature/Russian, MA(Hons), **RQT2**
 Comparative Literature/Scottish Literature, MA(Hons), **Q291**
 Comparative Literature/Spanish, MA(Hons), **RQ42**
 Comparative Literature/Theatre Studies, MA(Hons), **QWF4**
 Comparative Literature/Theology & Religious Studies, MA(Hons), **VQ62**
 Computing Science/Applied Mathematics, BSc(Hons), **GG41**
 Computing Science/Applied Mathematics, MSci, **GG14**
 Computing Science/Business & Management, MA(SocSci)(Hons), **GN42**
 Computing Science/Business & Management, BSc(Hons), **NG24**
 Computing Science/Business Economics, MA(SocSci)(Hons), **LG14**
 Computing Science/Business Economics, BSc(Hons), **GL4C**
 Computing Science/Celtic Civilisation, MA(Hons), **GQK5**
 Computing Science/Celtic Studies, MA(Hons), **GQ45**
 Computing Science/Classics, MA(Hons), **GQ48**
 Computing Science/Economic & Social History, MA(SocSci)(Hons), **VG34**
 Computing Science/Economics, MA(SocSci)(Hons), **GLK1**
 Computing Science/Economics, BSc(Hons), **GL41**
 Computing Science/English Language, MA(Hons), **GQ4J**
 Computing Science/English Literature, MA(Hons), **GQ4H**
 Computing Science/French, MA(Hons), **GR41**
 Computing Science/Gaelic, MA(Hons), **QG54**
 Computing Science/Geography, MA(Hons), **GL47**
 Computing Science/Geography, MA(SocSci)(Hons), **LG74**
 Computing Science/Geography, BSc(Hons), **FG84**
 Computing Science/Greek, MA(Hons), **GQ47**
 Computing Science/History, MA(Hons), **GV41**
 Computing Science/History of Art, MA(Hons), **GVK3**
 Computing Science/Latin, MA(Hons), **GQ46**
 Computing Science/Mathematics, BSc(Hons), **GGK1**
 Computing Science/Mathematics, MSci, **GG4C**
 Computing Science/Music, MA(Hons), **GW43**
 Computing Science/Philosophy, MA(Hons), **GV45**
 Computing Science/Physics, BSc(Hons), **FG34**
 Computing Science/Physics, MSci, **IF13**
 Computing Science/Politics, MA(SocSci)(Hons), **LG24**
 Computing Science/Psychology, MA(Hons), **GC48**
 Computing Science/Psychology, MA(SocSci)(Hons), **CGV4**
 Computing Science/Psychology, BSc(Hons), **CG84**
 Computing Science/Public Policy, MA(SocSci)(Hons), **IL14**
 Computing Science/Russian, MA(Hons), **GR47**
 Computing Science/Scottish History, MA(Hons), **GVK2**
 Computing Science/Scottish Literature, MA(Hons), **GQ42**
 Computing Science/Spanish, MA(Hons), **RG44**
 Computing Science/Statistics, BSc(Hons), **GG34**
 Computing Science/Theatre Studies, MA(Hons), **GW44**
 Computing Science/Theology & Religious Studies, MA(Hons), **VG64**
- E**
 Earth Science/Archaeology, BSc(Hons), **FF64**
 Economic & Social History with French Language (P), MA(SocSci)(Hons), **V3R1**
 Economic & Social History with German Language (P), MA(SocSci)(Hons), **V3R2**
 Economic & Social History with Italian Language (P), MA(SocSci)(Hons), **V3R3**
 Economic & Social History/Archaeology, MA(Hons), **VV34**
 Economic & Social History/Archaeology, MA(SocSci)(Hons), **VV43**
 Economic & Social History/Arts & Media Informatics, MA(Hons), **GV5J**
 Economic & Social History/Business & Management, MA(SocSci)(Hons), **NV23**
 Economic & Social History/Business Economics, MA(SocSci)(Hons), **LV13**
 Economic & Social History/Celtic Civilisation, MA(Hons), **QVN3**
 Economic & Social History/Celtic Studies, MA(Hons), **VQ35**
 Economic & Social History/Central & East European Studies, MA(SocSci)(Hons), **RV83**
 Economic & Social History/Comparative Literature, MA(Hons), **QVG3**
 Economic & Social History/Computing Science, MA(SocSci)(Hons), **VG34**
 Economic & Social History/Economics, MA(SocSci)(Hons), **LVC3**
 Economic & Social History/English Literature, MA(Hons), **QV3H**
 Economic & Social History/French, MA(Hons), **RV13**
 Economic & Social History/Geography, MA(SocSci)(Hons), **LV73**
 Economic & Social History/German, MA(Hons), **RV23**
 Economic & Social History/Greek, MA(Hons), **QV73**
 Economic & Social History/History, MA(Hons), **VVC3**
 Economic & Social History/History, MA(SocSci)(Hons), **VV13**
 Economic & Social History/Italian, MA(Hons), **RV33**
 Economic & Social History/Mathematics, MA(SocSci)(Hons), **VG31**
 Economic & Social History/Music, MA(Hons), **VW33**
 Economic & Social History/Philosophy, MA(Hons), **VVJ5**
 Economic & Social History/Philosophy, MA(SocSci)(Hons), **VV35**
 Economic & Social History/Politics, MA(SocSci)(Hons), **LV23**
 Economic & Social History/Psychology, MA(SocSci)(Hons), **CV83**
 Economic & Social History/Public Policy, MA(SocSci)(Hons), **LV43**
 Economic & Social History/Scottish History, MA(Hons), **VVG3**
 Economic & Social History/Scottish History, MA(SocSci)(Hons), **VV32**
 Economic & Social History/Scottish Literature, MA(Hons), **QVH3**
 Economic & Social History/Sociology, MA(SocSci)(Hons), **LV33**
 Economic & Social History/Theatre Studies, MA(Hons), **VW34**
 Economic & Social History/Theology & Religious Studies, MA(SocSci)(Hons), **VL1R7**
 Economics with French Language (P), MA(SocSci)(Hons), **L1R1**
 Economics with Russian Language (P), MA(SocSci)(Hons), **L1R7**
 Economics with Spanish Language (P), MA(SocSci)(Hons), **L1RK**
 Economics/Applied Mathematics, BSc(Hons), **LG1C**
 Economics/Archaeology, MA(Hons), **LV14**
 Economics/Archaeology, MA(SocSci)(Hons), **VL41**
 Economics/Business & Management, MA(SocSci)(Hons), **LN12**
 Economics/Business Economics, MA(SocSci)(Hons), **L110**
 Economics/Celtic Civilisation, MA(Hons), **LQ15**
 Economics/Central & East European Studies, MA(SocSci)(Hons), **RL81**
 Economics/Comparative Literature, MA(Hons), **LQC2**
 Economics/Computing Science, MA(SocSci)(Hons), **GLK1**
 Economics/Computing Science, BSc(Hons), **GL41**
 Economics/Economic & Social History, MA(SocSci)(Hons), **LVC3**
 Economics/English Language, MA(Hons), **LQ1H**
 Economics/English Literature, MA(Hons), **LQD3**
 Economics/French, MA(Hons), **LR11**
 Economics/Geography, MA(SocSci)(Hons), **LL17**
 Economics/German, MA(Hons), **RL21**
 Economics/Greek, MA(Hons), **LQ17**
 Economics/History, MA(Hons), **LVC1**
 Economics/History, MA(SocSci)(Hons), **LV11**
 Economics/Latin, MA(Hons), **LQ16**
 Economics/Mathematics, MA(SocSci)(Hons), **GL11**
 Economics/Mathematics, BSc(Hons), **LG1D**
 Economics/Music, MA(Hons), **LW13**
 Economics/Philosophy, MA(Hons), **LVD5**
 Economics/Philosophy, MA(SocSci)(Hons), **LVC5**
 Economics/Politics, MA(SocSci)(Hons), **LL12**
 Economics/Psychology, MA(SocSci)(Hons), **CL81**
 Economics/Public Policy, MA(SocSci)(Hons), **LL14**
 Economics/Russian, MA(Hons), **LR17**
 Economics/Scottish History, MA(Hons), **LVD1**
 Economics/Scottish History, MA(SocSci)(Hons), **LVC2**
 Economics/Scottish Literature, MA(Hons), **LQ12**
 Economics/Sociology, MA(SocSci)(Hons), **LL61**
 Economics/Spanish, MA(Hons), **RL41**
 Economics/Statistics, BSc(Hons), **GL31**
 Economics/Theatre Studies, MA(Hons), **LW14**
 Economics/Theology & Religious Studies, MA(Hons), **LV16**
 English Language/Archaeology, MA(Hons), **QV3L**
 English Language/Arts & Media Informatics, MA(Hons), **GQ5J**
 English Language/Celtic Civilisation, MA(Hons), **QQM3**
 English Language/Celtic Studies, MA(Hons), **QQ3N**
 English Language/Comparative Literature, MA(Hons), **QQF3**
 English Language/Computing Science, MA(Hons), **GQ4J**
 English Language/Economics, MA(Hons), **LQ1H**
 English Language/English Literature, MA(Hons), **Q304**
 English Language/French, MA(Hons), **QR3D**
 English Language/Gaelic, MA(Hons), **QQ53**
 English Language/German, MA(Hons), **QR3G**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

- English Language/Greek, MA(Hons), **QQ3T**
 English Language/History, MA(Hons), **QV3D**
 English Language/Italian, MA(Hons), **QR3J**
 English Language/Latin, MA(Hons), **QQ3Q**
 English Language/Mathematics, MA(Hons), **QG3D**
 English Language/Music, MA(Hons), **QW3J**
 English Language/Philosophy, MA(Hons), **QV3N**
 English Language/Politics, MA(Hons), **LQ2J**
 English Language/Psychology, MA(Hons), **CQ8J**
 English Language/Public Policy, MA(Hons), **QL3L**
 English Language/Russian, MA(Hons), **QRHT**
 English Language/Scottish History, MA(Hons), **QV3F**
 English Language/Scottish Literature, MA(Hons), **QQ2J**
 English Language/Sociology, MA(Hons), **LQ63**
 English Language/Theatre Studies, MA(Hons), **WQ4J**
 English Language/Theology & Religious Studies, MA(Hons), **QV36**
 English Literature/Archaeology, MA(Hons), **QV3K**
 English Literature/Arts & Media Informatics, MA(Hons), **GQ5H**
 English Literature/Business & Management, MA(Hons), **QN32**
 English Literature/Celtic Civilisation, MA(Hons), **QQ5J**
 English Literature/Celtic Studies, MA(Hons), **QQ3M**
 English Literature/Central & East European Studies, MA(Hons), **RQ7J**
 English Literature/Classics, MA(Hons), **QQ3V**
 English Literature/Comparative Literature, MA(Hons), **Q290**
 English Literature/Computing Science, MA(Hons), **GQ4H**
 English Literature/Economic & Social History, MA(Hons), **QV3H**
 English Literature/Economics, MA(Hons), **LQD3**
 English Literature/English Language, MA(Hons), **Q304**
 English Literature/Film & Television Studies, MA(Hons), **QW3P**
 English Literature/French, MA(Hons), **QR3C**
 English Literature/Gaelic, MA(Hons), **QQ5H**
 English Literature/German, MA(Hons), **QR3F**
 English Literature/History, MA(Hons), **QV3C**
 English Literature/History of Art, MA(Hons), **QVHH**
 English Literature/Latin, MA(Hons), **QQ3P**
 English Literature/Mathematics, MA(Hons), **QG3C**
 English Literature/Music, MA(Hons), **QW3H**
 English Literature/Philosophy, MA(Hons), **QV3M**
 English Literature/Politics, MA(Hons), **LQ2H**
 English Literature/Psychology, MA(Hons), **CQ8H**
 English Literature/Public Policy, MA(Hons), **LQ4H**
 English Literature/Russian, MA(Hons), **QRHR**
 English Literature/Scottish History, MA(Hons), **QVHF**
 English Literature/Scottish Literature, MA(Hons), **QQ2H**
 English Literature/Sociology, MA(Hons), **LQ3H**
 English Literature/Spanish, MA(Hons), **RQ43**
 English Literature/Theatre Studies, MA(Hons), **WQ4H**
 English Literature/Theology & Religious Studies, MA(Hons), **VQ63**
- F**
 Film & Television Studies/Archaeology, MA(Hons), **VW46**
 Film & Television Studies/Arts & Media Informatics, MA(Hons), **GP53**
 Film & Television Studies/Classics, MA(Hons), **QP83**
- Film & Television Studies/Comparative Literature, MA(Hons), **PQ32**
 Film & Television Studies/English Literature, MA(Hons), **QW3P**
 Film & Television Studies/French, MA(Hons), **RW16**
 Film & Television Studies/German, MA(Hons), **RW26**
 Film & Television Studies/History, MA(Hons), **VW16**
 Film & Television Studies/History of Art, MA(Hons), **VW36**
 Film & Television Studies/Latin, MA(Hons), **QW66**
 Film & Television Studies/Music, MA(Hons), **WW36**
 Film & Television Studies/Philosophy, MA(Hons), **VW56**
 Film & Television Studies/Physics, MA(Hons), **FW36**
 Film & Television Studies/Politics, MA(Hons), **LW26**
 Film & Television Studies/Public Policy, MA(Hons), **LW46**
 Film & Television Studies/Russian, MA(Hons), **RW76**
 Film & Television Studies/Scottish History, MA(Hons), **VWF6**
 Film & Television Studies/Scottish Literature, MA(Hons), **QW26**
 Film & Television Studies/Sociology, MA(Hons), **LW36**
 Film & Television Studies/Theatre Studies, MA(Hons), **WWW46**
 French/Arts & Media Informatics, MA(Hons), **GR5C**
 French/Business & Management, MA(Hons), **NR21**
 French/Celtic Civilisation, MA(Hons), **QR51**
 French/Celtic Studies, MA(Hons), **QRM1**
 French/Central & East European Studies, MA(Hons), **RR71**
 French/Classics, MA(Hons), **QR81**
 French/Comparative Literature, MA(Hons), **QRF1**
 French/Computing Science, MA(Hons), **GR41**
 French/Economic & Social History, MA(Hons), **RV13**
 French/Economics, MA(Hons), **LR11**
 French/English Language, MA(Hons), **QR3D**
 French/English Literature, MA(Hons), **QR3C**
 French/Film & Television Studies, MA(Hons), **RW16**
 French/Gaelic, MA(Hons), **QR5C**
 French/Geography, MA(Hons), **LR71**
 French/German, MA(Hons), **RR12**
 French/Greek, MA(Hons), **QR71**
 French/History, MA(Hons), **VR11**
 French/History of Art, MA(Hons), **RVC3**
 French/Italian, MA(Hons), **RR13**
 French/Latin, MA(Hons), **QR61**
 French/Mathematics, MA(Hons), **GR11**
 French/Music, MA(Hons), **RW13**
 French/Politics, MA(Hons), **LR21**
 French/Psychology, MA(Hons), **CR81**
 French/Russian, MA(Hons), **RR17**
 French/Sociology, MA(Hons), **LR6C**
 French/Spanish, MA(Hons), **RR41**
 French/Theatre Studies, MA(Hons), **RW14**
 French/Theology & Religious Studies, MA(Hons), **RV16**
- G**
 Gaelic/Archaeology, MA(Hons), **QV5K**
 Gaelic/Business & Management, MA(Hons), **QN52**
 Gaelic/Celtic Civilisation, MA(Hons), **Q590**
 Gaelic/Central & East European Studies, MA(Hons), **QR5R**
 Gaelic/Comparative Literature, MA(Hons), **QQ5F**
 Gaelic/Computing Science, MA(Hons), **QG54**
- Gaelic/English Language, MA(Hons), **QQ53**
 Gaelic/English Literature, MA(Hons), **QQ5H**
 Gaelic/French, MA(Hons), **QR5C**
 Gaelic/German, MA(Hons), **QR5F**
 Gaelic/History, MA(Hons), **QV5C**
 Gaelic/Mathematics, MA(Hons), **QG51**
 Gaelic/Philosophy, MA(Hons), **QV5M**
 Gaelic/Psychology, MA(Hons), **QC58**
 Gaelic/Public Policy, MA(Hons), **QL54**
 Gaelic/Scottish History, MA(Hons), **QV52**
 Gaelic/Scottish Literature, MA(Hons), **Q591**
 Gaelic/Theology & Religious Studies, MA(Hons), **VQ56**
 Geography with French Language (P), MA(SocSci)(Hons), **L7R1**
 Geography with German Language (P), MA(SocSci)(Hons), **L7R2**
 Geography with Russian Language (P), MA(SocSci)(Hons), **L7R7**
 Geography with Spanish Language (P), MA(SocSci)(Hons), **L7RK**
 Geography/Applied Mathematics, BSc(Hons), **GF18**
 Geography/Archaeology, MA(Hons), **LV74**
 Geography/Archaeology, MA(SocSci)(Hons), **VL47**
 Geography/Archaeology, BSc(Hons), **FV84**
 Geography/Arts & Media Informatics, MA(Hons), **GL57**
 Geography/Business & Management, MA(SocSci)(Hons), **LN72**
 Geography/Business Economics, MA(SocSci)(Hons), **LLC7**
 Geography/Celtic Civilisation, MA(Hons), **LQ75**
 Geography/Celtic Studies, MA(Hons), **QL57**
 Geography/Central & East European Studies, MA(SocSci)(Hons), **RL77**
 Geography/Classics, MA(Hons), **LQ78**
 Geography/Classics, MA(SocSci)(Hons), **LQR8**
 Geography/Computing Science, MA(Hons), **GL47**
 Geography/Computing Science, MA(SocSci)(Hons), **LG74**
 Geography/Computing Science, BSc(Hons), **FG84**
 Geography/Economic & Social History, MA(SocSci)(Hons), **LV73**
 Geography/Economics, MA(SocSci)(Hons), **LL17**
 Geography/French, MA(Hons), **LR71**
 Geography/German, MA(Hons), **LR72**
 Geography/History, MA(Hons), **LV71**
 Geography/History of Art, MA(Hons), **LVR3**
 Geography/Latin, MA(Hons), **QL67**
 Geography/Mathematics, BSc(Hons), **FG81**
 Geography/Music, MA(Hons), **LW73**
 Geography/Philosophy, MA(Hons), **LV75**
 Geography/Politics, MA(SocSci)(Hons), **LL72**
 Geography/Public Policy, MA(SocSci)(Hons), **LL47**
 Geography/Russian, MA(Hons), **LR77**
 Geography/Scottish History, MA(Hons), **LVR2**
 Geography/Scottish Literature, MA(Hons), **LQ72**
 Geography/Sociology, MA(SocSci)(Hons), **LL37**
 Geography/Spanish, MA(Hons), **RL47**
 Geography/Statistics, BSc(Hons), **FG83**
 Geography/Theatre Studies, MA(Hons), **LW74**
 German/Archaeology, MA(Hons), **RV24**
 German/Business & Management, MA(Hons), **NR22**
 German/Celtic Studies, MA(Hons), **QRM2**
 German/Central & East European Studies, MA(Hons), **RR72**
 German/Classics, MA(Hons), **QR82**
 German/Comparative Literature, MA(Hons), **QRF2**
 German/Economic & Social History, MA(Hons), **RV23**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

German/Economics, MA(Hons), **RL21**
 German/English Language, MA(Hons), **QR3G**
 German/English Literature, MA(Hons), **QR3F**
 German/Film & Television Studies, MA(Hons), **RW26**
 German/French, MA(Hons), **RR12**
 German/Gaelic, MA(Hons), **QR5F**
 German/Geography, MA(Hons), **LR72**
 German/History, MA(Hons), **VR12**
 German/History of Art, MA(Hons), **RVF3**
 German/Italian, MA(Hons), **RR23**
 German/Mathematics, MA(Hons), **GR12**
 German/Music, MA(Hons), **RW23**
 German/Philosophy, MA(Hons), **RV25**
 German/Politics, MA(Hons), **LR22**
 German/Psychology, MA(Hons), **CR82**
 German/Russian, MA(Hons), **RR27**
 German/Scottish History, MA(Hons), **RV22**
 German/Scottish Literature, MA(Hons), **QR22**
 German/Sociology, MA(Hons), **LR6F**
 German/Spanish, MA(Hons), **RR42**
 German/Theatre Studies, MA(Hons), **RW24**
 German/Theology & Religious Studies, MA(Hons), **VR62**
 Greek/Archaeology, MA(Hons), **QV74**
 Greek/Arts & Media Informatics, MA(Hons), **GQ5R**
 Greek/Business & Management, MA(Hons), **NQ27**
 Greek/Celtic Civilisation, MA(Hons), **QQ57**
 Greek/Celtic Studies, MA(Hons), **RQ95**
 Greek/Central & East European Studies, MA(Hons), **RQ77**
 Greek/Comparative Literature, MA(Hons), **QQF7**
 Greek/Computing Science, MA(Hons), **GQ47**
 Greek/Economic & Social History, MA(Hons), **QV73**
 Greek/Economics, MA(Hons), **LQ17**
 Greek/English Language, MA(Hons), **QQ3T**
 Greek/French, MA(Hons), **QR71**
 Greek/History, MA(Hons), **QV71**
 Greek/History of Art, MA(Hons), **QVR3**
 Greek/Latin, MA(Hons), **QQ67**
 Greek/Music, MA(Hons), **QW73**
 Greek/Philosophy, MA(Hons), **QV75**
 Greek/Politics, MA(Hons), **LQ27**
 Greek/Public Policy, MA(Hons), **LQ47**
 Greek/Russian, MA(Hons), **QR77**
 Greek/Scottish History, MA(Hons), **QVR2**
 Greek/Scottish Literature, MA(Hons), **QQ27**
 Greek/Sociology, MA(Hons), **LQ37**
 Greek/Spanish, MA(Hons), **RQ47**
 Greek/Theatre Studies, MA(Hons), **QW74**
 Greek/Theology & Religious Studies, MA(Hons), **VR69**

H

History with German Language, MA(SocSci) (Hons), **V1R2**
 History/Archaeology, MA(Hons), **VV14**
 History/Arts & Media Informatics, MA(Hons), **GVM1**
 History/Business & Management, MA(Hons), **NVF1**
 History/Business & Management, MA(SocSci) (Hons), **NV21**
 History/Celtic Civilisation, MA(Hons), **QVM1**
 History/Celtic Studies, MA(Hons), **QV51**
 History/Central & East European Studies, MA(Hons), **RV7C**
 History/Classics, MA(Hons), **QV81**
 History/Comparative Literature, MA(Hons), **QVF1**
 History/Computing Science, MA(Hons), **GV41**
 History/Economic & Social History, MA(Hons), **VVC3**

History/Economic & Social History, MA(SocSci) (Hons), **VV13**
 History/Economics, MA(Hons), **LVC1**
 History/Economics, MA(SocSci) (Hons), **LV11**
 History/English Language, MA(Hons), **QV3D**
 History/English Literature, MA(Hons), **QV3C**
 History/Film & Television Studies, MA(Hons), **VW16**
 History/French, MA(Hons), **VR11**
 History/Gaelic, MA(Hons), **QV5C**
 History/Geography, MA(Hons), **LV71**
 History/German, MA(Hons), **VR12**
 History/Greek, MA(Hons), **QV71**
 History/History of Art, MA(Hons), **VVD3**
 History/Italian, MA(Hons), **RV31**
 History/Latin, MA(Hons), **QV61**
 History/Mathematics, MA(Hons), **GV11**
 History/Music, MA(Hons), **VW13**
 History/Philosophy, MA(Hons), **VVC5**
 History/Politics, MA(Hons), **LVF1**
 History/Politics, MA(SocSci) (Hons), **LV21**
 History/Psychology, MA(Hons), **CV81**
 History/Psychology, MA(SocSci) (Hons), **VC18**
 History/Russian, MA(Hons), **RV71**
 History/Scottish Literature, MA(Hons), **QV21**
 History/Sociology, MA(Hons), **LV61**
 History/Sociology, MA(SocSci) (Hons), **LV31**
 History/Spanish, MA(Hons), **RV4C**
 History/Theatre Studies, MA(Hons), **VW14**
 History/Theology & Religious Studies, MA(Hons), **VV16**
 History of Art/Archaeology, MA(Hons), **VVH4**
 History of Art/Arts & Media Informatics, MA(Hons), **GV5H**
 History of Art/Business & Management, MA(Hons), **NVF3**
 History of Art/Celtic Civilisation, MA(Hons), **QV53**
 History of Art/Central & East European Studies, MA(Hons), **RVP3**
 History of Art/Comparative Literature, MA(Hons), **QVF3**
 History of Art/Computing Science, MA(Hons), **GVK3**
 History of Art/English Literature, MA(Hons), **QVHH**
 History of Art/Film & Television Studies, MA(Hons), **VW36**
 History of Art/French, MA(Hons), **RVC3**
 History of Art/Geography, MA(Hons), **LVR3**
 History of Art/German, MA(Hons), **RVF3**
 History of Art/Greek, MA(Hons), **QVR3**
 History of Art/History, MA(Hons), **VVD3**
 History of Art/Italian, MA(Hons), **RVH3**
 History of Art/Latin, MA(Hons), **QVP3**
 History of Art/Mathematics, MA(Hons), **GVC3**
 History of Art/Music, MA(Hons), **VWH3**
 History of Art/Philosophy, MA(Hons), **VVH5**
 History of Art/Politics, MA(Hons), **LVF3**
 History of Art/Psychology, MA(Hons), **CVV3**
 History of Art/Public Policy, MA(Hons), **LVK3**
 History of Art/Russian, MA(Hons), **RV73**
 History of Art/Scottish History, MA(Hons), **VVF3**
 History of Art/Scottish Literature, MA(Hons), **QV23**
 History of Art/Sociology, MA(Hons), **LV6H**
 History of Art/Theatre Studies, MA(Hons), **VWH4**
 History of Art/Theology & Religious Studies, MA(Hons), **VV36**

I

Italian/Archaeology, MA(Hons), **RV34**
 Italian/Business & Management, MA(Hons), **NR23**
 Italian/Celtic Civilisation, MA(Hons), **QR53**

Italian/Central & East European Studies, MA(Hons), **RR73**
 Italian/Classics, MA(Hons), **QR83**
 Italian/Comparative Literature, MA(Hons), **QRF3**
 Italian/Economic & Social History, MA(Hons), **RV33**
 Italian/English Language, MA(Hons), **QR3J**
 Italian/French, MA(Hons), **RR13**
 Italian/German, MA(Hons), **RR23**
 Italian/History, MA(Hons), **RV31**
 Italian/History of Art, MA(Hons), **RVH3**
 Italian/Latin, MA(Hons), **QR63**
 Italian/Mathematics, MA(Hons), **GR13**
 Italian/Music, MA(Hons), **RW33**
 Italian/Philosophy, MA(Hons), **RV35**
 Italian/Politics, MA(Hons), **LR23**
 Italian/Public Policy, MA(Hons), **RL34**
 Italian/Scottish History, MA(Hons), **RVH2**
 Italian/Scottish Literature, MA(Hons), **QR23**
 Italian/Spanish, MA(Hons), **RR43**
 Italian/Theatre Studies, MA(Hons), **RW34**
 Italian/Theology & Religious Studies, MA(Hons), **VR63**

L

Latin/Archaeology, MA(Hons), **QV64**
 Latin/Arts & Media Informatics, MA(Hons), **GQ5P**
 Latin/Business & Management, MA(Hons), **NQ26**
 Latin/Celtic Civilisation, MA(Hons), **QQ56**
 Latin/Celtic Studies, MA(Hons), **QQ65**
 Latin/Central & East European Studies, MA(Hons), **RQ66**
 Latin/Comparative Literature, MA(Hons), **QQF6**
 Latin/Computing Science, MA(Hons), **GQ46**
 Latin/Economics, MA(Hons), **LQ16**
 Latin/English Language, MA(Hons), **QQ3Q**
 Latin/English Literature, MA(Hons), **QQ3P**
 Latin/Film & Television Studies, MA(Hons), **QW66**
 Latin/French, MA(Hons), **QR61**
 Latin/Geography, MA(Hons), **QL67**
 Latin/Greek, MA(Hons), **QQ67**
 Latin/History, MA(Hons), **QV61**
 Latin/History of Art, MA(Hons), **QVP3**
 Latin/Italian, MA(Hons), **QR63**
 Latin/Mathematics, MA(Hons), **GQ16**
 Latin/Music, MA(Hons), **QW63**
 Latin/Philosophy, MA(Hons), **QV65**
 Latin/Politics, MA(Hons), **LQ26**
 Latin/Public Policy, MA(Hons), **LQ46**
 Latin/Scottish History, MA(Hons), **QV62**
 Latin/Scottish Literature, MA(Hons), **QQ26**
 Latin/Sociology, MA(Hons), **LQ36**
 Latin/Spanish, MA(Hons), **RQ46**
 Latin/Theatre Studies, MA(Hons), **WQ46**
 Latin/Theology & Religious Studies, MA(Hons), **QV66**

M

Mathematics/Archaeology, MA(Hons), **GV14**
 Mathematics/Arts & Media Informatics, MA(Hons), **GGM1**
 Mathematics/Astronomy, BSc(Hons), **FGM1**
 Mathematics/Astronomy, MSci, **FG5D**
 Mathematics/Business & Management, MA(SocSci) (Hons), **GND2**
 Mathematics/Business & Management, BSc(Hons), **NG21**
 Mathematics/Business Economics, MA(SocSci) (Hons), **LG11**
 Mathematics/Celtic Civilisation, MA(Hons), **GQ15**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

Mathematics/Celtic Studies, MA(Hons), **QQC5**
 Mathematics/Central & East European Studies, MA(SocSci)(Hons), **RG78**
 Mathematics/Chemistry, BSc(Hons), **GF11**
 Mathematics/Chemistry, MSci, **FG11**
 Mathematics/Classics, MA(Hons), **QG18**
 Mathematics/Computing Science, BSc(Hons), **GGK1**
 Mathematics/Computing Science, MSci, **GG4C**
 Mathematics/Economic & Social History, MA(SocSci)(Hons), **VG31**
 Mathematics/Economics, MA(SocSci)(Hons), **GL11**
 Mathematics/Economics, BSc(Hons), **LG1D**
 Mathematics/English Language, MA(Hons), **QG3D**
 Mathematics/English Literature, MA(Hons), **QG3C**
 Mathematics/French, MA(Hons), **GR11**
 Mathematics/Gaelic, MA(Hons), **QG51**
 Mathematics/Geography, BSc(Hons), **FG81**
 Mathematics/German, MA(Hons), **GR12**
 Mathematics/History, MA(Hons), **GV11**
 Mathematics/History of Art, MA(Hons), **GVC3**
 Mathematics/Italian, MA(Hons), **GR13**
 Mathematics/Latin, MA(Hons), **QG16**
 Mathematics/Music, MA(Hons), **GW13**
 Mathematics/Philosophy, MA(Hons), **GV15**
 Mathematics/Philosophy, BSc(Hons), **GVD5**
 Mathematics/Physics, BSc(Hons), **GF14**
 Mathematics/Physics, MSci, **FGJ1**
 Mathematics/Politics, MA(Hons), **GL12**
 Mathematics/Politics, MA(SocSci)(Hons), **LG21**
 Mathematics/Psychology, BSc(Hons), **CG81**
 Mathematics/Russian, MA(Hons), **GR17**
 Mathematics/Scottish History, MA(Hons), **GVC2**
 Mathematics/Scottish Literature, MA(Hons), **GQ12**
 Mathematics/Spanish, MA(Hons), **RG41**
 Mathematics/Statistics, BSc(Hons), **GGC3**
 Mathematics/Statistics, MSci, **GGH1**
 Mathematics/Statistics (Faster Route), BSc(Hons), **GG13**
 Mathematics/Statistics (Faster Route), MSci, **GG1H**
 Mathematics/Theatre Studies, MA(Hons), **GW14**
 Mathematics/Theology & Religious Studies, MA(Hons), **GV16**
 Music/Archaeology, MA(Hons), **VW43**
 Music/Arts & Media Informatics, MA(Hons), **GW5H**
 Music/Business & Management, MA(Hons), **NW23**
 Music/Celtic Studies, MA(Hons), **QW53**
 Music/Central & East European Studies, MA(Hons), **RWR3**
 Music/Classics, MA(Hons), **QW83**
 Music/Comparative Literature, MA(Hons), **QWF3**
 Music/Computing Science, MA(Hons), **GW43**
 Music/Economic & Social History, MA(Hons), **VW33**
 Music/Economics, MA(Hons), **LW13**
 Music/English Language, MA(Hons), **QW3J**
 Music/English Literature, MA(Hons), **QW3H**
 Music/Film & Television Studies, MA(Hons), **VW36**
 Music/French, MA(Hons), **RW13**
 Music/Geography, MA(Hons), **LW73**
 Music/German, MA(Hons), **RW23**
 Music/Greek, MA(Hons), **QW73**
 Music/History, MA(Hons), **VW13**
 Music/History of Art, MA(Hons), **VWH3**
 Music/Italian, MA(Hons), **RW33**
 Music/Latin, MA(Hons), **QW63**
 Music/Mathematics, MA(Hons), **GW13**
 Music/Philosophy, MA(Hons), **VW53**
 Music/Physics, MA(Hons), **FW33**
 Music/Politics, MA(Hons), **LW23**

Music/Psychology, MA(Hons), **CW83**
 Music/Public Policy, MA(Hons), **LW43**
 Music/Russian, MA(Hons), **RW73**
 Music/Scottish History, MA(Hons), **VWF3**
 Music/Scottish Literature, MA(Hons), **QW23**
 Music/Spanish, MA(Hons), **RW4H**
 Music/Theatre Studies, MA(Hons), **VW34**
 Music/Theology & Religious Studies, MA(Hons), **VW36**

P

Philosophy/Applied Mathematics, BSc(Hons), **GVC5**
 Philosophy/Arts & Media Informatics, MA(Hons), **GV55**
 Philosophy/Business & Management, MA(Hons), **NVF5**
 Philosophy/Business & Management, MA(SocSci)(Hons), **NV25**
 Philosophy/Business Economics, MA(SocSci)(Hons), **LV15**
 Philosophy/Celtic Civilisation, MA(Hons), **QV55**
 Philosophy/Celtic Studies, MA(Hons), **QVM5**
 Philosophy/Central & East European Studies, MA(Hons), **VR85**
 Philosophy/Central & East European Studies, MA(SocSci)(Hons), **RVT5**
 Philosophy/Classics, MA(Hons), **QV85**
 Philosophy/Comparative Literature, MA(Hons), **QVF5**
 Philosophy/Computing Science, MA(Hons), **GV45**
 Philosophy/Economic & Social History, MA(Hons), **VVJ5**
 Philosophy/Economic & Social History, MA(SocSci)(Hons), **VV35**
 Philosophy/Economics, MA(Hons), **LVD5**
 Philosophy/Economics, MA(SocSci)(Hons), **LVC5**
 Philosophy/English Language, MA(Hons), **QV3N**
 Philosophy/English Literature, MA(Hons), **QV3M**
 Philosophy/Film & Television Studies, MA(Hons), **VW56**
 Philosophy/Gaelic, MA(Hons), **QV5M**
 Philosophy/Geography, MA(Hons), **LV75**
 Philosophy/German, MA(Hons), **RV25**
 Philosophy/Greek, MA(Hons), **QV75**
 Philosophy/History, MA(Hons), **VVC5**
 Philosophy/History of Art, MA(Hons), **VVH5**
 Philosophy/Italian, MA(Hons), **RV35**
 Philosophy/Latin, MA(Hons), **QV65**
 Philosophy/Mathematics, MA(Hons), **GV15**
 Philosophy/Mathematics, BSc(Hons), **GVD5**
 Philosophy/Music, MA(Hons), **VW53**
 Philosophy/Politics, MA(Hons), **LVF5**
 Philosophy/Politics, MA(SocSci)(Hons), **LV25**
 Philosophy/Psychology, MA(Hons), **CVV5**
 Philosophy/Psychology, MA(SocSci)(Hons), **CV85**
 Philosophy/Russian, MA(Hons), **RV75**
 Philosophy/Scottish History, MA(Hons), **VVD5**
 Philosophy/Sociology, MA(Hons), **LV65**
 Philosophy/Sociology, MA(SocSci)(Hons), **LVH5**
 Philosophy/Theatre Studies, MA(Hons), **VW54**
 Philosophy/Theology & Religious Studies, MA(Hons), **VV56**
 Physics/Applied Mathematics, BSc(Hons), **GF13**
 Physics/Applied Mathematics, MSci, **GFC3**
 Physics/Arts & Media Informatics, MA(Hons), **GF53**
 Physics/Astronomy, BSc(Hons), **FF53**
 Physics/Astronomy, MSci, **FF5H**
 Physics/Computing Science, BSc(Hons), **FG34**
 Physics/Computing Science, MSci, **IF13**
 Physics/Film & Television Studies, MA(Hons), **FW36**
 Physics/Mathematics, BSc(Hons), **GF14**
 Physics/Mathematics, MSci, **FGJ1**
 Physics/Music, MA(Hons), **FW33**
 Physics/Russian, MA(Hons), **RF73**
 Physics/Scottish History, MA(Hons), **FV32**
 Physics/Spanish, MA(Hons), **RF43**
 Physics/Theatre Studies, MA(Hons), **FW34**
 Physics/Theology & Religious Studies, MA(Hons), **FV36**
 Physiology/Psychology, BSc(Hons), **BC18**
 Politics with French Language (P), MA(SocSci)(Hons), **L2R1**
 Politics with Gaelic Language (P), MA(SocSci)(Hons), **L2Q5**
 Politics with German Language (P), MA(SocSci)(Hons), **L2R2**
 Politics with Italian Language (P), MA(SocSci)(Hons), **L2R3**
 Politics with Spanish Language (P), MA(SocSci)(Hons), **L2R4**
 Politics/Archaeology, MA(Hons), **LV24**
 Politics/Archaeology, MA(SocSci)(Hons), **VL42**
 Politics/Arts & Media Informatics, MA(Hons), **GL52**
 Politics/Business & Management, MA(SocSci)(Hons), **LN22**
 Politics/Business Economics, MA(SocSci)(Hons), **LLC2**
 Politics/Central & East European Studies, MA(SocSci)(Hons), **RL82**
 Politics/Classics, MA(Hons), **LQ28**
 Politics/Classics, MA(SocSci)(Hons), **LQF8**
 Politics/Computing Science, MA(SocSci)(Hons), **LG24**
 Politics/Economic & Social History, MA(SocSci)(Hons), **LV23**
 Politics/Economics, MA(SocSci)(Hons), **LL12**
 Politics/English Language, MA(Hons), **LQ2J**
 Politics/English Literature, MA(Hons), **LQ2H**
 Politics/Film & Television Studies, MA(Hons), **LW26**
 Politics/French, MA(Hons), **LR21**
 Politics/Geography, MA(SocSci)(Hons), **LL72**
 Politics/German, MA(Hons), **LR22**
 Politics/Greek, MA(Hons), **LQ27**
 Politics/History, MA(Hons), **LVF1**
 Politics/History, MA(SocSci)(Hons), **LV21**
 Politics/History of Art, MA(Hons), **LVF3**
 Politics/Italian, MA(Hons), **LR23**
 Politics/Latin, MA(Hons), **LQ26**
 Politics/Mathematics, MA(Hons), **GL12**
 Politics/Mathematics, MA(SocSci)(Hons), **LG21**
 Politics/Music, MA(Hons), **LW23**
 Politics/Philosophy, MA(Hons), **LVF5**
 Politics/Philosophy, MA(SocSci)(Hons), **LV25**
 Politics/Psychology, MA(SocSci)(Hons), **CL82**
 Politics/Public Policy, MA(SocSci)(Hons), **LL42**
 Politics/Scottish History, MA(Hons), **LV22**
 Politics/Scottish History, MA(SocSci)(Hons), **LVF2**
 Politics/Scottish Literature, MA(Hons), **LQ22**
 Politics/Sociology, MA(SocSci)(Hons), **LL62**
 Politics/Theatre Studies, MA(Hons), **LW24**
 Politics/Theology & Religious Studies, MA(Hons), **VL62**
 Psychology with French Language (P), MA(SocSci)(Hons), **C8R1**
 Psychology with Gaelic Language (P), MA(SocSci)(Hons), **Q5C8**
 Psychology with German Language (P), MA(SocSci)(Hons), **C8R2**
 Psychology with Italian Language (P), MA(SocSci)(Hons), **C8R3**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

- Psychology with Russian Language (P), MA(SocSci) (Hons), **C8R7**
- Psychology/Applied Mathematics, BSc(Hons), **GC18**
- Psychology/Archaeology, MA(Hons), **CV84**
- Psychology/Archaeology, MA(SocSci) (Hons), **VC48**
- Psychology/Arts & Media Informatics, MA(Hons), **GC5V**
- Psychology/Business & Management, MA(SocSci) (Hons), **CN82**
- Psychology/Business Economics, MA(SocSci) (Hons), **LC18**
- Psychology/Celtic Civilisation, MA(Hons), **CQV5**
- Psychology/Celtic Studies, MA(Hons), **CQ85**
- Psychology/Central & East European Studies, MA(SocSci) (Hons), **RG68**
- Psychology/Classics, MA(Hons), **CQ88**
- Psychology/Classics, MA(SocSci) (Hons), **QC88**
- Psychology/Computing Science, MA(Hons), **GC48**
- Psychology/Computing Science, MA(SocSci) (Hons), **CGV4**
- Psychology/Computing Science, BSc(Hons), **CG84**
- Psychology/Economic & Social History, MA(SocSci) (Hons), **CV83**
- Psychology/Economics, MA(SocSci) (Hons), **CL81**
- Psychology/English Language, MA(Hons), **CQ8J**
- Psychology/English Literature, MA(Hons), **CQ8H**
- Psychology/French, MA(Hons), **CR81**
- Psychology/Gaelic, MA(Hons), **QC58**
- Psychology/German, MA(Hons), **CR82**
- Psychology/History, MA(Hons), **CV81**
- Psychology/History, MA(SocSci) (Hons), **VC18**
- Psychology/History of Art, MA(Hons), **CVV3**
- Psychology/Mathematics, BSc(Hons), **CG81**
- Psychology/Music, MA(Hons), **CW83**
- Psychology/Philosophy, MA(Hons), **CVV5**
- Psychology/Philosophy, MA(SocSci) (Hons), **CV85**
- Psychology/Physiology, BSc(Hons), **BC18**
- Psychology/Politics, MA(SocSci) (Hons), **CL82**
- Psychology/Public Policy, MA(SocSci) (Hons), **LC48**
- Psychology/Russian, MA(Hons), **CR87**
- Psychology/Scottish History, MA(Hons), **CVW2**
- Psychology/Scottish History, MA(SocSci) (Hons), **CVV2**
- Psychology/Scottish Literature, MA(Hons), **CQ82**
- Psychology/Sociology, MA(Hons), **LC68**
- Psychology/Sociology, MA(SocSci) (Hons), **LC38**
- Psychology/Statistics, BSc(Hons), **CG83**
- Psychology/Theatre Studies, MA(Hons), **CW84**
- Psychology/Theology & Religious Studies, MA(Hons), **CV86**
- Public Policy with Gaelic Language (P), MA(SocSci) (Hons), **L4Q5**
- Public Policy with Italian Language (P), MA(SocSci) (Hons), **L4R3**
- Public Policy with Spanish Language (P), MA(SocSci) (Hons), **L4R4**
- Public Policy/Arts & Media Informatics, MA(Hons), **GL54**
- Public Policy/Business & Management, MA(SocSci) (Hons), **LN42**
- Public Policy/Business Economics, MA(SocSci) (Hons), **LLC4**
- Public Policy/Celtic Civilisation, MA(Hons), **LQK5**
- Public Policy/Celtic Studies, MA(Hons), **LQ45**
- Public Policy/Central & East European Studies, MA(SocSci) (Hons), **RL84**
- Public Policy/Classics, MA(Hons), **LQ48**
- Public Policy/Classics, MA(SocSci) (Hons), **LQK8**
- Public Policy/Computing Science, MA(SocSci) (Hons), **IL14**
- Public Policy/Economic & Social History, MA(SocSci) (Hons), **LV43**
- Public Policy/Economics, MA(SocSci) (Hons), **LL14**
- Public Policy/English Language, MA(Hons), **QL3L**
- Public Policy/English Literature, MA(Hons), **LQ4H**
- Public Policy/Film & Television Studies, MA(Hons), **LW46**
- Public Policy/Gaelic, MA(Hons), **QL54**
- Public Policy/Geography, MA(SocSci) (Hons), **LL47**
- Public Policy/Greek, MA(Hons), **LQ47**
- Public Policy/History of Art, MA(Hons), **LVK3**
- Public Policy/Italian, MA(Hons), **RL34**
- Public Policy/Latin, MA(Hons), **LQ46**
- Public Policy/Music, MA(Hons), **LW43**
- Public Policy/Politics, MA(SocSci) (Hons), **LL42**
- Public Policy/Psychology, MA(SocSci) (Hons), **LC48**
- Public Policy/Russian, MA(Hons), **LR47**
- Public Policy/Sociology, MA(SocSci) (Hons), **LL64**
- Public Policy/Spanish, MA(Hons), **RL44**
- Public Policy/Theatre Studies, MA(Hons), **LW44**
- Public Policy/Theology & Religious Studies, MA(Hons), **VL64**
- Pure Mathematics/Statistics, BSc(Hons), **GGCJ**
- Pure Mathematics/Statistics, MSci, **GGDH**
- Pure Mathematics/Statistics (Faster Route), BSc(Hons), **GGDJ**
- Pure Mathematics/Statistics (Faster Route), MSci, **GG3C**
- R**
- Russian/Archaeology, MA(Hons), **RV74**
- Russian/Arts & Media Informatics, MA(Hons), **GR5R**
- Russian/Business & Management, MA(Hons), **NR27**
- Russian/Central & East European Studies, MA(Hons), **R791**
- Russian/Classics, MA(Hons), **QR87**
- Russian/Comparative Literature, MA(Hons), **RQT2**
- Russian/Computing Science, MA(Hons), **GR47**
- Russian/Economics, MA(Hons), **LR17**
- Russian/English Language, MA(Hons), **QRHT**
- Russian/English Literature, MA(Hons), **QRHR**
- Russian/Film & Television Studies, MA(Hons), **RW76**
- Russian/French, MA(Hons), **RR17**
- Russian/Geography, MA(Hons), **LR77**
- Russian/German, MA(Hons), **RR27**
- Russian/Greek, MA(Hons), **QR77**
- Russian/History, MA(Hons), **RV71**
- Russian/History of Art, MA(Hons), **RV73**
- Russian/Mathematics, MA(Hons), **GR17**
- Russian/Music, MA(Hons), **RW73**
- Russian/Philosophy, MA(Hons), **RV75**
- Russian/Physics, MA(Hons), **RF73**
- Russian/Psychology, MA(Hons), **CR87**
- Russian/Public Policy, MA(Hons), **LR47**
- Russian/Scottish History, MA(Hons), **RVR2**
- Russian/Scottish Literature, MA(Hons), **QR27**
- Russian/Sociology, MA(Hons), **LR37**
- Russian/Theology & Religious Studies, MA(Hons), **VR67**
- S**
- Scottish History/Archaeology, MA(Hons), **VVF4**
- Scottish History/Arts & Media Informatics, MA(Hons), **GV52**
- Scottish History/Business & Management, MA(Hons), **NVG1**
- Scottish History/Business & Management, MA(SocSci) (Hons), **NVF2**
- Scottish History/Business Economics, MA(SocSci) (Hons), **LVD2**
- Scottish History/Celtic Civilisation, MA(Hons), **QVN2**
- Scottish History/Celtic Studies, MA(Hons), **QVM2**
- Scottish History/Central & East European Studies, MA(Hons), **RVP1**
- Scottish History/Classics, MA(Hons), **QVV2**
- Scottish History/Computing Science, MA(Hons), **GVK2**
- Scottish History/Economic & Social History, MA(Hons), **VVG3**
- Scottish History/Economic & Social History, MA(SocSci) (Hons), **VV32**
- Scottish History/Economics, MA(Hons), **LVD1**
- Scottish History/Economics, MA(SocSci) (Hons), **LVC2**
- Scottish History/English Language, MA(Hons), **QV3F**
- Scottish History/English Literature, MA(Hons), **QVHF**
- Scottish History/Film & Television Studies, MA(Hons), **VVF6**
- Scottish History/Gaelic, MA(Hons), **QV52**
- Scottish History/Geography, MA(Hons), **LVR2**
- Scottish History/German, MA(Hons), **RV22**
- Scottish History/Greek, MA(Hons), **QVR2**
- Scottish History/History of Art, MA(Hons), **VVF3**
- Scottish History/Italian, MA(Hons), **RVH2**
- Scottish History/Latin, MA(Hons), **QV62**
- Scottish History/Mathematics, MA(Hons), **GVC2**
- Scottish History/Music, MA(Hons), **VVF3**
- Scottish History/Philosophy, MA(Hons), **VVD5**
- Scottish History/Physics, MA(Hons), **FV32**
- Scottish History/Politics, MA(Hons), **LV22**
- Scottish History/Politics, MA(SocSci) (Hons), **LVF2**
- Scottish History/Psychology, MA(Hons), **CVW2**
- Scottish History/Psychology, MA(SocSci) (Hons), **CVV2**
- Scottish History/Russian, MA(Hons), **RVR2**
- Scottish History/Scottish Literature, MA(Hons), **QVF2**
- Scottish History/Sociology, MA(Hons), **LVP1**
- Scottish History/Spanish, MA(Hons), **RV42**
- Scottish History/Theatre Studies, MA(Hons), **VVF4**
- Scottish History/Theology & Religious Studies, MA(Hons), **VVF6**
- Scottish Language & Literature, MA(Hons), **Q201**
- Scottish Literature/Arts & Media Informatics, MA(Hons), **QQM5**
- Scottish Literature/Business & Management, MA(Hons), **NQ22**
- Scottish Literature/Celtic Civilisation, MA(Hons), **QQF5**
- Scottish Literature/Celtic Studies, MA(Hons), **QQ25**
- Scottish Literature/Central & East European Studies, MA(Hons), **RQR2**
- Scottish Literature/Classics, MA(Hons), **QQ28**
- Scottish Literature/Comparative Literature, MA(Hons), **Q291**
- Scottish Literature/Computing Science, MA(Hons), **GQ42**
- Scottish Literature/Economic & Social History, MA(Hons), **QVH3**
- Scottish Literature/Economics, MA(Hons), **LQ12**
- Scottish Literature/English Language, MA(Hons), **QQ2J**
- Scottish Literature/English Literature, MA(Hons), **QQ2H**
- Scottish Literature/Film & Television Studies, MA(Hons), **QW26**
- Scottish Literature/Gaelic, MA(Hons), **Q591**
- Scottish Literature/Geography, MA(Hons), **LQ72**
- Scottish Literature/German, MA(Hons), **QR22**
- Scottish Literature/Greek, MA(Hons), **QQ27**
- Scottish Literature/History, MA(Hons), **QV21**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.

- Scottish Literature/History of Art, MA(Hons), **QV23**
 Scottish Literature/Italian, MA(Hons), **QR23**
 Scottish Literature/Latin, MA(Hons), **QQ26**
 Scottish Literature/Mathematics, MA(Hons), **GQ12**
 Scottish Literature/Music, MA(Hons), **QW23**
 Scottish Literature/Politics, MA(Hons), **LQ22**
 Scottish Literature/Psychology, MA(Hons), **CQ82**
 Scottish Literature/Russian, MA(Hons), **QR27**
 Scottish Literature/Scottish History, MA(Hons), **QVF2**
 Scottish Literature/Sociology, MA(Hons), **LQ32**
 Scottish Literature/Spanish, MA(Hons), **RQ4M**
 Scottish Literature/Theatre Studies, MA(Hons), **QW24**
 Scottish Literature/Theology & Religious Studies, MA(Hons), **QV26**
 Sociology with French Language (P), MA(SocSci) (Hons), **L3R1**
 Sociology with German Language (P), MA(SocSci) (Hons), **L3R2**
 Sociology with Italian Language (P), MA(SocSci) (Hons), **L3R3**
 Sociology with Russian Language (P), MA(SocSci) (Hons), **L3R7**
 Sociology with Spanish Language (P), MA(SocSci) (Hons), **L3RK**
 Sociology/Arts & Media Informatics, MA(Hons), **GL56**
 Sociology/Business & Management, MA(SocSci) (Hons), **LN62**
 Sociology/Business Economics, MA(SocSci) (Hons), **LLP1**
 Sociology/Central & East European Studies, MA(SocSci) (Hons), **RL83**
 Sociology/Classics, MA(Hons), **LQ83**
 Sociology/Classics, MA(SocSci) (Hons), **QL83**
 Sociology/Economic & Social History, MA(SocSci) (Hons), **LV33**
 Sociology/Economics, MA(SocSci) (Hons), **LL61**
 Sociology/English Language, MA(Hons), **LQ63**
 Sociology/English Literature, MA(Hons), **LQ3H**
 Sociology/Film & Television Studies, MA(Hons), **LW36**
 Sociology/French, MA(Hons), **LR6C**
 Sociology/Geography, MA(SocSci) (Hons), **LL37**
 Sociology/German, MA(Hons), **LR6F**
 Sociology/Greek, MA(Hons), **LQ37**
 Sociology/History, MA(Hons), **LV61**
 Sociology/History, MA(SocSci) (Hons), **LV31**
 Sociology/History of Art, MA(Hons), **LV6H**
 Sociology/Latin, MA(Hons), **LQ36**
 Sociology/Philosophy, MA(Hons), **LV65**
 Sociology/Philosophy, MA(SocSci) (Hons), **LVH5**
 Sociology/Politics, MA(SocSci) (Hons), **LL62**
 Sociology/Psychology, MA(Hons), **LC68**
 Sociology/Psychology, MA(SocSci) (Hons), **LC38**
 Sociology/Public Policy, MA(SocSci) (Hons), **LL64**
 Sociology/Russian, MA(Hons), **LR37**
 Sociology/Scottish History, MA(Hons), **LVP1**
 Sociology/Scottish Literature, MA(Hons), **LQ32**
 Sociology/Spanish, MA(Hons), **RL46**
 Sociology/Theatre Studies, MA(Hons), **LW34**
 Sociology/Theology & Religious Studies, MA(Hons), **LV66**
 Spanish/Archaeology, MA(Hons), **RV44**
 Spanish/Arts & Media Informatics, MA(Hons), **RG45**
 Spanish/Comparative Literature, MA(Hons), **RQ42**
 Spanish/Computing Science, MA(Hons), **RG44**
 Spanish/Economics, MA(Hons), **RL41**
 Spanish/English Literature, MA(Hons), **RQ43**
 Spanish/French, MA(Hons), **RR41**
 Spanish/Geography, MA(Hons), **RL47**
 Spanish/German, MA(Hons), **RR42**
 Spanish/Greek, MA(Hons), **RQ47**
 Spanish/History, MA(Hons), **RV4C**
 Spanish/Italian, MA(Hons), **RR43**
 Spanish/Latin, MA(Hons), **RQ46**
 Spanish/Mathematics, MA(Hons), **RG41**
 Spanish/Music, MA(Hons), **RW4H**
 Spanish/Physics, MA(Hons), **RF43**
 Spanish/Public Policy, MA(Hons), **RL44**
 Spanish/Scottish History, MA(Hons), **RV42**
 Spanish/Scottish Literature, MA(Hons), **RQ4M**
 Spanish/Sociology, MA(Hons), **RL46**
 Spanish/Theatre Studies, MA(Hons), **RW4K**
 Spanish/Theology & Religious Studies, MA(Hons), **RV4P**
 Statistics/Applied Mathematics, BSc(Hons), **GG31**
 Statistics/Applied Mathematics, MSci, **GGD3**
 Statistics/Applied Mathematics (Faster Route), BSc(Hons), **GG1J**
 Statistics/Applied Mathematics (Faster Route), MSci, **GGCH**
 Statistics/Business & Management, BSc(Hons), **NG23**
 Statistics/Computing Science, BSc(Hons), **GG34**
 Statistics/Economics, BSc(Hons), **GL31**
 Statistics/Geography, BSc(Hons), **FG83**
 Statistics/Mathematics, BSc(Hons), **GGC3**
 Statistics/Mathematics, MSci, **GGH1**
 Statistics/Mathematics (Faster Route), BSc(Hons), **GG13**
 Statistics/Mathematics (Faster Route), MSci, **GG1H**
 Statistics/Psychology, BSc(Hons), **CG83**
 Statistics/Pure Mathematics, BSc(Hons), **GGCJ**
 Statistics/Pure Mathematics, MSci, **GGDH**
 Statistics/Pure Mathematics (Faster Route), BSc(Hons), **GGDJ**
 Statistics/Pure Mathematics (Faster Route), MSci, **GG3C**
- T**
 Theatre Studies/Archaeology, MA(Hons), **VW44**
 Theatre Studies/Arts & Media Informatics, MA(Hons), **GW5K**
 Theatre Studies/Classics, MA(Hons), **WQ48**
 Theatre Studies/Comparative Literature, MA(Hons), **QWF4**
 Theatre Studies/Computing Science, MA(Hons), **GW44**
 Theatre Studies/Economic & Social History, MA(Hons), **VW34**
 Theatre Studies/Economics, MA(Hons), **LW14**
 Theatre Studies/English Language, MA(Hons), **WQ4J**
 Theatre Studies/English Literature, MA(Hons), **WQ4H**
 Theatre Studies/Film & Television Studies, MA(Hons), **WW46**
 Theatre Studies/French, MA(Hons), **RW14**
 Theatre Studies/Geography, MA(Hons), **LW74**
 Theatre Studies/German, MA(Hons), **RW24**
 Theatre Studies/Greek, MA(Hons), **QW74**
 Theatre Studies/History, MA(Hons), **VW14**
 Theatre Studies/History of Art, MA(Hons), **VWH4**
 Theatre Studies/Italian, MA(Hons), **RW34**
 Theatre Studies/Latin, MA(Hons), **WQ46**
 Theatre Studies/Mathematics, MA(Hons), **GW14**
 Theatre Studies/Music, MA(Hons), **WW34**
 Theatre Studies/Philosophy, MA(Hons), **VW54**
 Theatre Studies/Physics, MA(Hons), **FW34**
 Theatre Studies/Politics, MA(Hons), **LW24**
 Theatre Studies/Psychology, MA(Hons), **CW84**
 Theatre Studies/Public Policy, MA(Hons), **LW44**
 Theatre Studies/Scottish History, MA(Hons), **VWF4**
 Theatre Studies/Scottish Literature, MA(Hons), **QW24**
 Theatre Studies/Sociology, MA(Hons), **LW34**
 Theatre Studies/Spanish, MA(Hons), **RW4K**
 Theatre Studies/Theology & Religious Studies, MA(Hons), **VW64**
 Theology & Religious Studies/Archaeology, MA(Hons), **VV46**
 Theology & Religious Studies/Arts & Media Informatics, MA(Hons), **GV5P**
 Theology & Religious Studies/Business & Management, MA(Hons), **VN61**
 Theology & Religious Studies/Celtic Civilisation, MA(Hons), **QV56**
 Theology & Religious Studies/Celtic Studies, MA(Hons), **VQ65**
 Theology & Religious Studies/Classics, MA(Hons), **QV86**
 Theology & Religious Studies/Comparative Literature, MA(Hons), **VQ62**
 Theology & Religious Studies/Computing Science, MA(Hons), **VG64**
 Theology & Religious Studies/Economic & Social History, MA(Hons), **VV63**
 Theology & Religious Studies/Economics, MA(Hons), **LV16**
 Theology & Religious Studies/English Language, MA(Hons), **QV36**
 Theology & Religious Studies/English Literature, MA(Hons), **VQ63**
 Theology & Religious Studies/French, MA(Hons), **RV16**
 Theology & Religious Studies/Gaelic, MA(Hons), **VQ56**
 Theology & Religious Studies/German, MA(Hons), **VR62**
 Theology & Religious Studies/Greek, MA(Hons), **VR69**
 Theology & Religious Studies/History, MA(Hons), **VV16**
 Theology & Religious Studies/History of Art, MA(Hons), **VV36**
 Theology & Religious Studies/Italian, MA(Hons), **VR63**
 Theology & Religious Studies/Latin, MA(Hons), **QV66**
 Theology & Religious Studies/Mathematics, MA(Hons), **GV16**
 Theology & Religious Studies/Music, MA(Hons), **WV36**
 Theology & Religious Studies/Philosophy, MA(Hons), **VV56**
 Theology & Religious Studies/Physics, MA(Hons), **FV36**
 Theology & Religious Studies/Politics, MA(Hons), **VL62**
 Theology & Religious Studies/Psychology, MA(Hons), **CV86**
 Theology & Religious Studies/Public Policy, MA(Hons), **VL64**
 Theology & Religious Studies/Russian, MA(Hons), **VR67**
 Theology & Religious Studies/Scottish History, MA(Hons), **VVF6**
 Theology & Religious Studies/Scottish Literature, MA(Hons), **QV26**
 Theology & Religious Studies/Sociology, MA(Hons), **LV66**
 Theology & Religious Studies/Spanish, MA(Hons), **RV4P**
 Theology & Religious Studies/Theatre Studies, MA(Hons), **VW64**

In addition to our Joint Honours combinations we also offer Principal Honours degrees in a social sciences subject with a subsidiary language, indicated by P. The subsidiary language takes up a quarter of the programme during the two Honours years, and usually involves spending a year abroad between the second and third years.



Important information

This publication is intended to help you choose your programme of study at the University of Glasgow. It does not replace the University Calendar as a statement of the University regulations. All students will be required as a condition of registration (matriculation) to abide by, and to submit to the procedures of, the University's rules and regulations, as amended from time to time. A copy of the current regulations is available, on request, from Student Services, or the University Calendar can be viewed online at: www.glasgow.ac.uk/senate/calendar.

Every effort has been made to ensure the accuracy of the information contained within this publication but it is subject to alteration without notice. The University will use all reasonable endeavours to deliver courses in accordance with the descriptions set out in this publication. The University, however, reserves the right to make variations to the contents or methods of delivery of courses, to discontinue courses and to merge or combine courses, if such action is reasonably considered to be necessary by the University. If the University discontinues any course, it will use its reasonable endeavours to provide a suitable alternative course. In the event of industrial action or other circumstances beyond the University's control interfering with its ability to provide these courses or services, the University will undertake to minimise disruption as far as is practicable.

Published admissions requirements are subject to alteration and may differ from those listed on pages 48–53 and 66–179.

Equality and diversity

The University of Glasgow is committed to promoting equality in all its activities, and aims to provide a work, learning, research and teaching environment free from discrimination and where difference is positively valued.

The University's equality policies and other useful sources of information are available on the website at www.glasgow.ac.uk/equalitydiversity.

Data Protection Act

The University collects and processes information, including images, about its students, applicants and potential applicants, for academic, administrative, management, pastoral, and health and safety reasons.

Some of this information is considered as sensitive personal data in the terms of the Data Protection Act 1998. The information is provided

by a student, applicant or potential applicant or on his/her behalf. It is not possible to become, or remain, a registered (matriculated) student, or to process an application without agreement to provide this information. The information is processed in accordance with the University's Notification with the Information Commissioner under the Data Protection Act 1998, and is disclosed to third parties only with students' consent, or to meet a statutory obligation, or in accordance with the University's Notification with the Information Commissioner, or in accordance with the terms of the Act.

Smoking policy

In line with legislation throughout the UK, smoking is not permitted in any University building, department or official vehicle.

Additional fees

In common with other universities, students on certain courses at the University of Glasgow may incur additional expenditure on items such as fieldwork, specialist materials and supplementary instrumental tuition; although some assistance from University funds may be available to meet such expenditure, responsibility for payment will rest with the student. In addition, small charges may be made in some subjects for such items as course materials, photocopying and laser printing; detailed information may be obtained from the University's schools or colleges.

Refund of private fee contributions

For the University's refund policy, please see www.glasgow.ac.uk/scholarships/fees/refund.

General Council registration fee

All first-time graduates from the University of Glasgow must, prior to graduation, pay a registration fee (currently £55) to become a member of the University's General Council. Payment of the fee means that your name will be entered in the Register of Graduates and you will

be entitled to attend the twice-yearly statutory meetings of the Council and vote in its elections. You will also receive regular mailings from the Council which will include the University's Annual Review.

Associated institutions

The University is proud of its associations with two other highly regarded seats of learning in Scotland: The Glasgow School of Art and the Scottish Agricultural College. Both are independent higher education institutions. If you apply for a programme offered by either institution, you will pursue your studies at that institution but your final degree will be conferred by the University of Glasgow. Applications should be made to the institution and not to the University.

The University has made separate arrangements with each institution for access to University facilities. The institution concerned will provide guidance on these arrangements. For further information: www.gsa.ac.uk and www.sac.ac.uk.

Credits

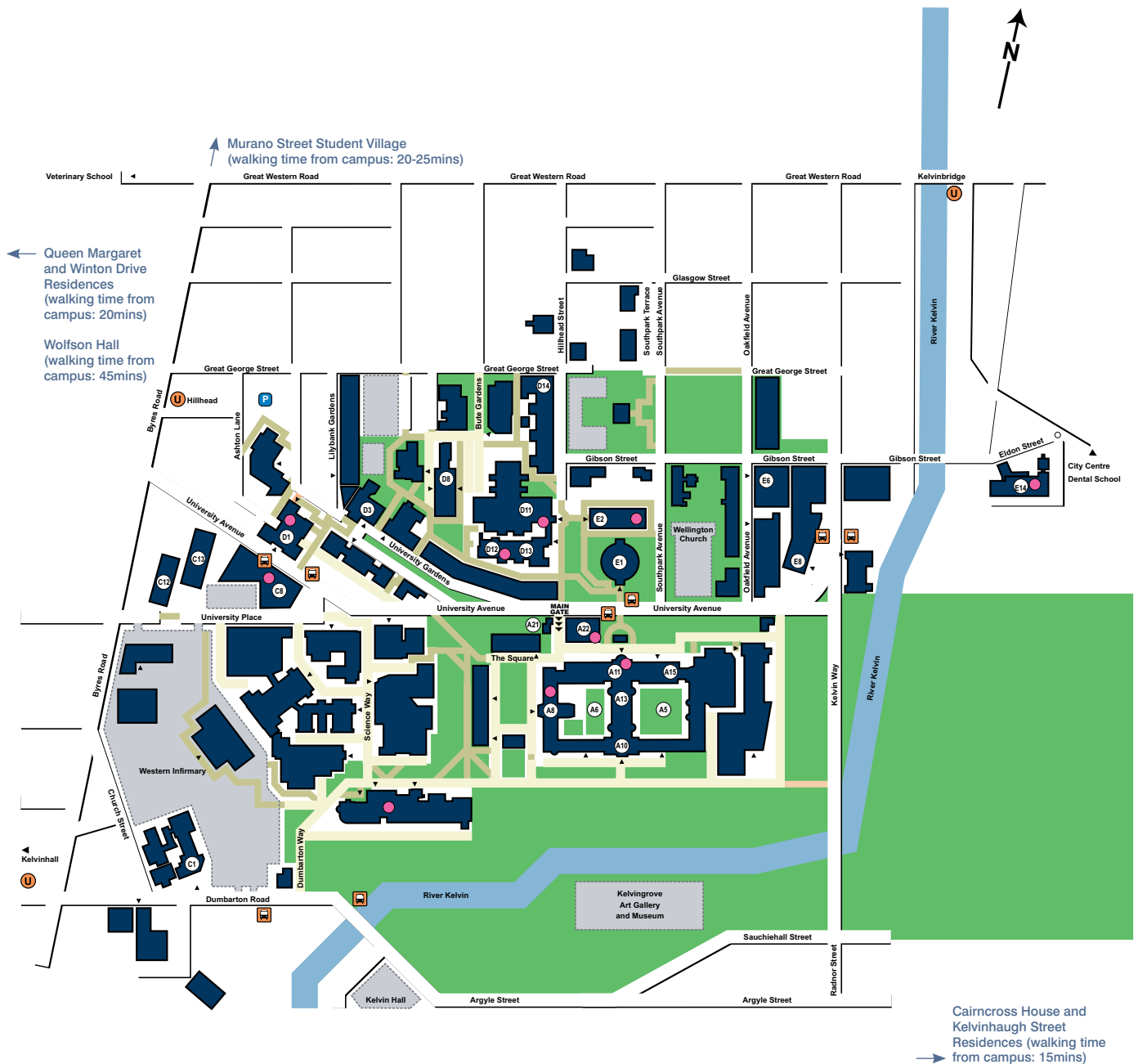
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Campus map

The University of Glasgow benefits from being located in the West End of Glasgow, a short walking distance from the city centre, with great bus and underground links. Walking distances to our undergraduate residences are given in blue on the map. For information on travelling to Glasgow, see www.glasgow.ac.uk/about/maps.

Main campus

| | | | |
|------------------------------------|-----|---------------------------------|-----|
| Accommodation Service | D14 | Hunterian Art Gallery | D12 |
| Adam Smith Building | D8 | Hunterian Museum | A15 |
| BHF Glasgow | | John McIntyre Building | A22 |
| Cardiovascular Research Centre | C12 | Library | D11 |
| Boyd Orr Building | D1 | Mackintosh House | D13 |
| Bute Hall | A13 | McMillan Reading Room | E1 |
| Careers Service | E2 | Main Building | A10 |
| Chapel | A8 | Main Gatehouse | A21 |
| East Quadrangle | A5 | Queen Margaret Union | D3 |
| Fraser Building | E2 | St Andrew's Building | E14 |
| Glasgow Biomedical Research Centre | C13 | Stevenson Building | E6 |
| Glasgow International College | C1 | Visitor Centre | A11 |
| Glasgow University Union | E8 | West Quadrangle | A6 |
| | | Wolfson Medical School Building | C8 |

- Catering Facilities
- U Underground
- Footpaths
- Bus Bus Stop
- P Car Parking

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